



ANDREW P. ROMANEK, PE  
SENIOR ENGINEER  
THE DEXTRA GROUP, INC.

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## INTRODUCTION

Mr. Romanek specializes in project and program management for the environmental industry, and his focus is on adding and sustaining value for the clients, projects, and programs which he serves. He believes that projects and programs often fall short of their potential not because of a lack of technical prowess but because of a lack of attention to detail in the planning, execution, monitoring, and closeout processes. Mr. Romanek devotes much of his attention to defining what success actually means for a project or program, creating measurable targets for success, and constantly re-evaluating success during a project. He has applied his expertise to projects of all types, sizes, and discipline. His technical areas of focus include site assessment and remediation, water resources, and water and wastewater infrastructure improvements.

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## EXPERIENCE

1999 – 2017 CDM Smith Inc. Atlanta, GA and Chattanooga, TN

*Associate*

- Consistently managed more than \$1.5 million in projects annually.
- Promoted to Senior Project Manager within five years of the start of career.
- Managed a \$51 million Capital Improvements Program for the City of East Point, Georgia.
- Established the CDM Smith Chattanooga office.
- Served as a Portfolio Leader for CDM Smith's Gulf States region, providing oversight and having responsibility for financial performance and quality management for all CDM Smith projects in that region.

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## EDUCATION

M.S.E. Environmental Engineering, University of Texas, 1999

B.S. Civil Engineering, University of Notre Dame, 1997

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## CERTIFICATIONS

Professional Engineer: Tennessee, Georgia, and South Carolina

Project Management Professional, Project Management Institute

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## PROFESSIONAL ACTIVITIES

Mr. Romanek has held several leadership roles in local branches of the American Society of Civil Engineers. This includes Chapter President at the University of Notre Dame and President of the Chattanooga, TN Branch in 2014 and 2015.

Mr. Romanek was also the Chair of the Planning Committee for Chattanooga Engineers Week in 2016.

## SELECTED PROJECT EXPERIENCE – REMEDIATION

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Mr. Romanek has worked on assessment and remediation projects continuously for more than 18 years, including his graduate research. He has managed projects in all phases of corrective action, from initial assessment through no further action and post-closure care. He is experienced in building relationships with regulators through up front communication and negotiation focused on what is in the best interest of all parties and the facility. He has proven successful in reducing client costs through activities such as reducing ongoing monitoring requirements, designing remote monitoring systems, and streamlining phases of assessment and remediation as allowed by the project and regulators. His experience includes managing large design-build-operate projects as well as managing small ongoing groundwater monitoring and/or remediation system operation and maintenance projects. His diversity of experience with varying chemicals of concern, site hydrogeology, regulatory programs, regulatory agencies, alternative remedial technologies, and community issues allows him to constructively evaluate challenges and pathways to success for even the most complex remediation projects.

### **RCRA Facility with Residential Well Contamination, Murphy, North Carolina.**

Mr. Romanek was the project manager for a RCRA site in Murphy, North Carolina, where groundwater contamination was discovered in residential wells. Offsite contamination was discovered in the early phases of the project after the previous consultant had concluded that contamination was not migrating off site. Several interim measures were completed when offsite contaminants were discovered, including installation of a public water line to affected residents and design and installation of two groundwater recovery wells at the property boundary. Several additional investigation, evaluation, and interim measure activities have occurred in the last few years to further refine the extent of contamination on site and off site, and to implement additional remedial measures. An aggressive approach has been taken to address on site source areas, including soil vapor extraction and thermal remediation. An offsite reinjection system in highly fractured bedrock has also been installed to control offsite groundwater migration. Results have already yielded significant groundwater concentration reductions, and the U.S. Environmental Protection Agency (EPA) has referred to this project as a “demonstration project” regarding the approach to proactively work towards a solution. Mr. Romanek has worked closely with residents, the client, the client’s legal counsel, EPA, and the State on this high profile project.

### **Former Electric Facility in Athens, Alabama.**

Mr. Romanek recently managed a remediation project in Athens, Alabama that is enrolled in the Alabama Department of Environmental Management’s Voluntary Cleanup Program. Remediation has focused on using in situ chemical oxidation to treat chlorinated volatile organic compounds in groundwater. By design, remediation was completed under a pilot study, thus shortening both the duration and life-cycle cost for remediation at this site. A no further action requested is expected to be submitted within the next year.

### **Georgia EPD Voluntary Remediation Program, Cedartown, Georgia.**

Mr. Romanek was the project manager for assessment and corrective action at a site in Cedartown, GA that is being managed under the Georgia Environmental Protection Department’s (EPD’s) Voluntary Remediation Program. CDM Smith took over as the primary

consultant for this site when the lead potentially responsible party (PRP) failed to demonstrate significant progress to EPD. Despite challenging hydrogeology and a groundwater plume that extends to offsite properties, the project team performed multiple phases of assessment, completed delineation to EPD requirements, prepared and received approval for a Corrective Action Plan, and initiated design for the corrective action in less than two years. Through Mr. Romanek's responsiveness and technical knowledge, relations between EPD and the PRPs changed from strained to collaborative.

#### **Landfill Investigation and Remediation, Barnwell, South Carolina.**

Mr. Romanek recently (2016) completed managing a project for a former landfill site in Barnwell, South Carolina. This site operated as a town dump for approximately 20 years, receiving predominantly domestic waste but also some industrial waste from nearby industries. The landfill lies along the Salkehatchie River, so the design of a remedial action was complicated by the wetland that exists at the southern portion of the site. Mr. Romanek managed this site from initial identification through investigation, remedial alternatives evaluation, and remediation. Mr. Romanek's involvement on this project beyond project management included preparing the Remedial Investigation and Feasibility Study reports, developing remediation cost estimates, drafting work plans, supporting the risk assessments, setting remedial goals, completing field work, and managing the environmental database.

#### **Remedial Investigation/Feasibility Study, Rock Hill, South Carolina.**

Since initial selection as one their preferred consultants in 2002 through 2017, Mr. Romanek managed multiple assessment and remediation projects for the South Carolina Department of Environment and Control (SCDHEC). Most notably, he managed a remedial investigation/feasibility study (RI/FS) at a former hazardous waste transportation, storage, and disposal facility in Rock Hill, South Carolina. CDM Smith was asked to assist SCDHEC with this important project after they assumed environmental management responsibilities when the owners filed for bankruptcy in 2003. The scope of work for this project comprised three phases of subsurface investigation (soil and groundwater), including rock coring and fracture trace mapping. The contaminant plume at the site is related to several different source areas, contaminant release mechanisms, and chemical trace patterns. To focus future evaluation of remedial technologies, work during the RI included collecting additional data and performing short-term pilot tests to support the FS. As SCDHEC's technical consultant, Mr. Romanek has participated in several sessions with the PRP group's consultant and legal team. The PRP group for this project consists of several thousand companies.

#### **Emergency PCB Response Activities in Spartanburg, South Carolina.**

In 2015, Mr. Romanek served as the project manager for some emergency response activities related to the discovery of PCBs greater than 50 parts per million in the Spartanburg Sanitary Sewer District's (SSSD's) wastewater facilities. PCBs discovered were related to illegal dumping of high concentration oil into the local sewer system. Mr. Romanek worked closely with EPA Region 4 to develop a Decontamination and Waste Disposal Plan that satisfied EPA requirements while allowing some flexibility so that the SSSD could continue to operate their wastewater facilities. Submittal of a plan and initial decontamination efforts were completed within just a few weeks of the initial PCBs discovery.

## SELECTED PROJECT EXPERIENCE – LOCAL CHATTANOOGA, TN

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### **Process Controls Program, City of Chattanooga, Tennessee.**

In support of the City of Chattanooga's Consent Decree for sewer overflows, Mr. Romanek prepared and helped the City implement a Process Controls Program (PCP) for the Moccasin Bend Wastewater Treatment Plant (MBWWTP). This PCP identifies, with flexibility, how the plant should be operated during a wet-weather event to maximize storage in the plant, flow into and through the plant, and use of secondary treatment. The goals of the PCP are to limit wet-weather discharges and overflows. Mr. Romanek managed this project, drafted the PCP, and conducted training for MBWWTP operators. The project was completed on schedule and significantly under budget. Remaining funding left in the contract was used to support evaluating controls and management of the City's Combined Sewer Overflow Treatment Facilities.

### **DuPont Pump Station and Basin Improvements – Phase 2, City of Chattanooga, Tennessee.**

Mr. Romanek managed the design for this \$1.6 million project related to construction of a new, 14 million gallon per day wet-weather pump station and 7.5 million gallon storage tank. When complete, this project will provide the City's first large wet-weather storage tank. Schedule is very aggressive due to a Phase 1 Consent Decree milestone, and Mr. Romanek helped keep this project on schedule.

### **Process Wastewater Improvements, Tennessee American Water (Chattanooga, Tennessee).**

Mr. Romanek recently (2016) completed managing design and engineering services for Tennessee American Water's (TAW's) Citico Station Water Treatment Plant in Chattanooga. Previously, TAW sent thickened sludge to the City of Chattanooga's wastewater system under an Industrial Use Permit. Due to some changes in permit conditions related to zinc, discharge of solids to the City was no longer an option. A \$13 million dewatering facility was designed along with various on-plant improvements. The dewatering process includes an additional thickener, centrifuges, and a multi-conveyor transfer system. Dewatered solids are shipped off site for beneficial reuse.

Mr. Romanek managed this project from start to finish. Due to a required permit compliance schedule, a \$1 million design had to be delivered in less than five months. This milestone was achieved, and the project was completed on budget.

### **Flocculation and Sedimentation Improvements, Tennessee American Water (Chattanooga, Tennessee).**

Mr. Romanek was also the project manager for another recently (2016) completed project at the Citico Station Water Treatment Plant in Chattanooga that involved flocculation and sedimentation basin upgrades. This project converted a former sedimentation basin with no process equipment into two parallel flocculation and sedimentation treatment trains. Plate settlers and hoseless sludge collection were selected for this application. This project significantly improved the reliability, performance, and capacity of the water treatment plant. Final construction fees were approximately \$6 million.

## SELECTED PROJECT EXPERIENCE – PROGRAM MANAGEMENT

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Mr. Romanek was the program manager for the City of East Point, Georgia's Capital Improvement Program (CIP) from 2010 to 2012. This \$51 million program was focused on infrastructure improvements for the city's water, wastewater, and stormwater infrastructure systems. The program was also focused on addressing requirements specified in a Consent Order issued to the city for sanitary sewer overflows. Mr. Romanek led a CIP core team consisting of a construction manager, program controls engineer, and administrator in addition to a group of subcontractors completing individual CIP projects. In the role of program manager, Mr. Romanek was responsible for the following activities: budget management; schedule development and management; construction oversight; design reviews; master planning; public outreach; subcontractor oversight; reporting and presentations to city staff and council; prioritization of capital improvements; financing; invoicing; and the long-term capital improvement plan. The projects that Mr. Romanek oversaw and implemented as program manager include all of the following:

- Sanitary sewer evaluation survey and rehabilitation
- Sewer flow monitoring and capacity modeling
- Emergency sewer repairs
- Emergency water line repairs
- Master plans for water supply, water distribution, sewer, and stormwater
- Reservoir expansion design and analysis
- 2 and 4-inch water main replacement
- Site acquisition and design for a new booster pump station and elevated water storage tank
- Design for priority stormwater projects
- Floodplain management program development
- Cost of services study
- Stormwater utility development
- Sewer flow and water rate negotiations with adjacent municipalities and counties
- Preparation of a land development and engineering standards manual
- Geographic Information System (GIS) database development

Through the success of the SSES, sewer rehabilitation, flow monitoring, and capacity evaluation programs, the City reduced sanitary sewer overflows (SSOs) and SSO volumes by more than 95%. The City requested termination of the Consent Order more than two years ahead of schedule and obtained approval for termination from the Georgia Environmental Protection Division.