



EBC 15th Annual Dredging Conference
Geotech – The Importance for Dredging and Capping Projects

Tuesday, November 9, 2021

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AGENDA

9:00 a.m. **Welcome:** Payson Whitney, Chair, EBC Ocean and Coastal Resources Committee
Vice President, ESS Group, Inc.

Program Introduction

- Andrew Timmis, Program Chair & Moderator
Director of Business Development - Environmental Group
J.F. Brennan Company, Inc.

9:15 a.m. **How Historic Design Criteria Impact Current Project Dredge Design**

- William J. Haswell, P.E., Principal Consultant, Haley & Aldrich

9:40 a.m. **Geotechnical Elements of Dredge Prism Design**

- Anita Rigassio Smith, PMP, Senior Environmental Engineer, Jacobs
- Shane Taylor, M.S., EIT, Civil/Coastal Engineer, Jacobs

- 10:05 a.m. **Geotechnical Engineering Design Challenges for Capping and Dredging in Difficult Ground Conditions: The Grasse River Remediation Project**
- Jagrut Jathal, Senior Geotechnical Engineer, Principal, CDM Smith
 - Michael S. Schultz, P.E., Geotechnical Engineer, Senior Vice President CDM Smith

10:30 a.m. **Networking Opportunity / Break**

- 10:45 a.m. **Placement and Verification Considerations for Engineered Caps Over Contaminated Sediments**
- Charles Guest, Senior Managing Engineer, Anchor QEA, LLC

- 11:10 a.m. **Remediating a Working Waterfront**
- Matthew Page, P.E., Associate Principal, GZA GeoEnvironmental, Inc.

11:35 a.m. **Moderated Discussion**

Moderator: Andrew Timmis, J.F. Brennan Company, Inc.

Panel Members:

- Charles Guest, Anchor QEA, LLC
- William Haswell, Haley & Aldrich
- Jagrut Jathal, CDM Smith
- Matthew Page, GZA GeoEnvironmental, Inc
- Anita Rigassio, Smith, Jacobs
- Michael S. Schultz, CDM Smith
- Shane Taylor, Jacobs

12:00 p.m. **Adjourn**

PROGRAM CHAIR

Andrew Timmis, Director of Business Development - Environmental Group
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Andrew A. Timmis is the Director of Business Development – Environmental Group for J.F. Brennan Company, Inc. His primary responsibility is the development of private and public sector environmental projects for Brennan. Andrew has over 30 years of operational and business development experience. While he was charged with developing environmental opportunities, he was also responsible for the design and estimating of UST removal projects, soil, and groundwater remediation projects, including the implementation of bioremediation projects for soil, groundwater, and tank cleaning. He also has provided technical support for large civil construction, dredging, and capping projects. Andrew received a Bachelor of Science degree in Environmental Resources and Management from Plattsburgh State University College. He is currently the President of the WEDA Eastern Chapter and on the WEDA Environmental and Educational Committees.

SPEAKERS

Charles Guest, Senior Managing Engineer
Anchor QEA, LLC
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Charles Guest is a Senior Managing Engineer with Anchor QEA in Saratoga Springs, New York. Mr. Guest is licensed professional engineer in New York State and has more than 25 years of experience working on remedial designs and remedial actions for industrial and contaminated sediment sites. Mr. Guest has held prominent roles on the designs and planning for several large, multi-year sediment remediation projects, including the Hudson River and Grasse River in New York.

William J. Haswell, PE, Principal Consultant
Haley & Aldrich, Inc.
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Bill Haswell is a principal consultant with over 30 years of environmental investigation, remedial design, and remedial construction experience. With a background in construction, civil and geotechnical engineering, Bill leverages his strengths to ensure successful execution of environmental and sediment remediation projects. Bill incorporates his experience managing construction into the investigation and design phases of the project to increase certainty for the remediation phase. His understanding of the geotechnical aspects of remediation projects often plays a key role in the design of a constructible remedial strategy. His hands-on construction background provides a unique perspective to help owners manage the implementation phase of their remediation work. Bill is the manufactured gas plant practice lead for Haley & Aldrich, and is a registered professional engineer in New Hampshire, Vermont, Massachusetts, Ohio, Indiana, and Wisconsin.

Jagrut Jathal, Senior Geotechnical Engineer, Principal
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Mr. Jathal is a Senior Geotechnical Engineer and Principal with 18 years of experience in solid waste management and contaminated site remediation. He serves as Project Technical Leader on multidisciplinary geo-environmental projects including industrial waste sites, mine waste, and superfund sites. He has led field and laboratory investigation programs and geotechnical evaluations for several contaminated sediment projects. He has performed slope stability evaluations for dredge cuts and riverbanks for dredging projects in complex geologies, consolidation and settlement evaluations for sediment caps, and bearing capacity evaluations for staged cap placement on soft clay. He has also planned and overseen installation of in-river geotechnical instrumentation for pilot sediment capping projects. He has experience with and knowledge of the CERCLA Superfund site cleanup process including Preliminary Assessment, Remedial Investigations/Feasibility Study (RI/FS), Pre-Design Investigations (PDI), Remedial Design (RD), Remedial Action (RA), and construction completion.

Matthew Page, P.E., Associate Principal
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Mr. Page received his Undergraduate Degree in Ocean Engineering in 2002 and Master's Degree in Civil Engineering in 2004 from the University of Rhode Island. He has been practicing engineering for over 17 years specializing in geotechnical and marine/waterfront engineering. He is an Associate Principal at the firm GZA GeoEnvironmental Inc. where he is responsible for overseeing the Marine and Waterfront Group in Providence, Rhode Island. He is a co-author of five ASCE technical papers and a registered Professional Engineer in the States of Rhode Island, New York and Maine.

Anita Rigassio Smith, PMP, Senior Environmental Engineer
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Anita is currently a Senior Environmental Engineer and Project Manager at Jacobs, where she is involved with several projects involving dredging. Her career has focused on environmental remediation and most recently includes field engineering and project management of large-scale sediment and soil remediation projects. Anita has graduate degrees in physical-organic chemistry and environmental engineering, and also has a US Coast Guard captain's license, which she likes to use to conduct site inspections and tours for visitors, local officials and the press.

Michael S. Schultz, P.E., Discipline Leader – Geotechnical Engineer, Senior Vice President
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Mr. Schultz is a Geotechnical Engineer and Senior Vice President with 40 years of experience. He serves as the Geotechnical Engineering Discipline Leader for CDM Smith. In this role he directs and provides geotechnical and geo-environmental engineering services for CDM Smith including consulting, project management, senior technical review and direction on complex geotechnical and geo-environmental engineering efforts. He serves as the Principal Investigator or Lead Design Engineer or Engineer of Record on complex geo-environmental engineering projects including lagoon designs and closures, sediment dredging and capping, landfill designs meeting U.S EPA, RCRA, CERCLA, TSCA and DOE requirements, solidification/stabilization of contaminated sites, design and inspection of residual management systems for the metals and mining industry, the design, construction and operations of barrier walls, containment systems and deep groundwater extraction systems.

Shane Taylor, M.S., EIT, Civil/Coastal Engineer
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Shane is currently a Coastal Design Engineer at Jacobs, where he designs dredging and capping systems for sediment remediation projects. Shane's prior projects have included coastal area site exposure/risk assessment for FEMA, bulkhead design, and dredge planning for major federal shipping channels. Shane has both undergraduate and graduate degrees in Civil/Environmental Engineering.