Brett Milburn, GISP

Senior Associate/VP/Director of Applied Technology
Enterprise Data Management, GIS, and Web/Mobile Solutions

19 years in the industry ~ 17 years with Langan

Mr. Milburn has over 19 years of experience in successfully providing technology-based solutions to address the technical, regulatory and business challenges in the Architecture, Engineering and Construction (AEC) industry. In his current role as the leader of Langan's Applied Technologies Group, he oversees various Geospatial/Geographic Information Systems (GIS), enterprise data management and web/mobile technology related projects across a wide array of sectors including utility infrastructure, site selection, facility/asset management, geotechnical, site/civil, renewable energy, survey and environmental remediation. He directs a diverse team of analysts, solution architects, programmers and engineers whose work has resulted in achieving enhanced efficiencies and quality of information through the various stages of field data collection, quality assurance, management, analysis, visualization and reporting. Over his career, he has amassed extensive experience in the use of Esri products including ArcGIS Desktop and associated extensions, ArcGIS Online, Business Analyst, CityEngine, ArcGIS Server and ArcSDE/Enterprise Geodatabases based on Microsoft's SQL platform. He is also fluent in the use of Earthsoft's EQuIS data management software in conjunction with other third party packages to achieve business and project objectives.

Selected Projects

- University of Miami, Miami, FL
- Lehigh University, Bethlehem, PA
- Carnegie Mellon University, Pittsburgh, PA
- NBC/Universal – Burbank, CA
- South Whitehall Township, Allentown, PA
- Town of Avon, Avon, CT
- Greater New Haven Water Pollution Control Authority, New Haven, CT
- Brookfield Water Pollution Control Authority, Brookfield, CT
- NGL Energy Partners, LP
- Hess Corporation, Schenectady, NY
- Shell, Santa Barbara, CA
- Valero Refining Company, Paulsboro, NJ
- Sunoco, Philadelphia, PA
- Philadelphia Energy Solutions, Philadelphia, PA
- Markwest Energy Parnters, Pittsburgh, PA
- Williams Companies, Harrison County, OH
- EQT Corporation, Pittsburgh, PA
- Picatinny Arsenal, Wharton, NJ
- Air Products and Chemicals, Edison, NJ
- Mannington Mills, Mannington, NJ
- Government of Bermuda, Sandys, Bermuda
- U.S. Steel Corporation, Fairless Hills, PA
- Latrobe Steel, Latrobe, PA

Education

B.S., Geo-Environmental Science
Shippensburg University

Certification and Training

Certified GIS Professional (GISP)

Esri System Architecture Design Strategies;
Esri Working with Geometric Networks for Utilities;
ArcView GIS 10.x and ArcGIS Pro;
ArcGIS Server Administration;
EQuIS 6x and 7x and Enterprise;
Rockworks 16;
8-hour HAZWOPER Refresher;
National Safety Council Standard CPR and First Aid

Affiliations

Greater Philadelphia Energy Action Team (Infrastructure Co-Chair)

Esri Mid-Atlantic Users Group (Former Vice President)

AAG-Esri ConnectED Geomentor

New Jersey Department of Environmental Protection (NJDEP) Remedial Priority System (RPS) HAZSITE Team member

Urban and Regional Information Systems Association (URISA) since 2004

URISA (member)

New Jersey Geographic Information Network (member)

PA Magic (member)

NYS GIS Association (member)

LANGAN

- Heritage Conservancy, Doylestown, PA
- Wildlands Conservancy, Allentown, PA
- Rockefeller Development Group, Various Locations
- Colliers International, Harrisburg, PA
- Beazer East, Newport, DE
- Texas Instrument, Santa Clara, CA
- Hunters Point Naval Shipyard, San Francisco, CA
- Fashion Outlets of Niagara Falls, Niagara, NY
- Plessey Dynamics, NJ
- Ortho Clinical, NJ
- Lucent Technologies, Holmdel, NJ
- Former Pennick Corporation, Montville, NJ
- Triple Five – American Dream, East Rutherford, NJ

Selected Publications, Reports, and Presentations

"Mobile Data Collection Applications – A Case Story", Brett Milburn and Tony Yates; Esri Engineering Summit, San Diego, CA; July 2018.

"Utilizing GIS and Data Management for Enhancing GNHWPCA Operations"; Brett Milburn and Ricardo Ceballos; Connecticut Association of Water Pollution Control Authorities; Plantsville, CT; May 2018.

"Utilizing GIS and EQuIS to Ehance Operational Efficiency"; Brett Milburn and Raymond Lees; 2017 PA Water Environment Association (PWEA) Conference; Pocono Manor, PA; June 2017.

"Mobile Mapping – From Collection to Implementation"; Brett Milburn and Stephen Ellis; 2015 PA GIS Conference, State College, PA; June 2015.

"Utilizing GIS for Water / Sewer Utility Asset Management"; Brett Milburn; PA Northeast District American Water Works Fall Meeting, Bethlehem, PA: October 2014.

"Geographic Information System Site Analyzer and Marketing Tool"; Brett Milburn and Greg Firely; 2014 Ohio Brownfields Conference, Columbus, OH; April 2014.

"Development of Interactive GIS Programs for Environmentally Sensitive Areas Mapping"; Brett Milburn; Rutgers, Office of Continuing Professional Education Program - Discharge Prevention Program: Compliance in New Jersey, New Brunswick, NJ: April 2013 & April 2014.

"Combining Mass Flux With Data Visualization Techniques Using GIS"; Brett Milburn and Allison Jelinek; 2010 Environmental Systems Research Institute (Esri) Mid-Atlantic User Conference, Philadelphia, PA; November 2010.

"Combining Mass Flux With Data Visualization Techniques Using GIS"; Brett Milburn and Allison Jelinek; 2010 Environmental Systems Research Institute (Esri) 30th Annual International User Conference, San Diego, CA; July 2010.

"Visualization of LNAPL Distribution and Recovery Model (LDRM) Results Using ArcGIS"; Brett Milburn and Kendall Wilson; 2008 North American Environmental Field Conference and Exposition, Tampa, FL; January 2008.

"Using ArcGIS To Monitor the Effect of Water Table Fluctuations On The Behavior Of Non-Aqueous Phase Petroleum"; Brett Milburn; Environmental Systems Research Institute (ESRI) Map Book, Volume 22, 2007.

"Using EQuIS and ArcGIS For Environmental Decision Support at a Large Oil Refinery"; Brett Milburn, David Towsey and Scot Weaver; 2004 Environmental Systems Research Institute (ESRI) 24th Annual International User Conference, San Diego, CA; August 2004.