

**Doug A Holmes, PE, LEED AP**  
**Project Engineer**



**EDUCATION**

M.S. Environmental Engineering  
University of Missouri-Rolla – Rolla, Missouri

B.S. Chemistry  
University of Missouri-Rolla – Rolla, Missouri

**REGISTRATION**

Registered P.E., State of Missouri  
No. 2011000901

Registered LEED AP, National  
US GBCI Credentialed

**PROFESSIONAL EXPERIENCE**

**Science Teacher – High School Level**  
**St. James Public School System – St. James, Missouri**  
*January 2015 - present*

**Project Engineer**  
**Integrity Engineering, Inc. – Rolla, Missouri**  
*June 2013 – 2015*

*June 2015 – present – Part-time*

- Provide engineering consulting, analysis, and design of public and private projects
- Perform hydraulic profile calculations and design of facilities
- Prepare plans and specifications for construction
- Field survey of project sites

**Project Engineer**  
**CM Archer Engineers – St. James, MO**  
*April 2010 – June 2011*

- Designed wastewater treatment plants, collection systems, and lift stations
- Designed water treatment plants, distribution systems, and pump stations
- Performed hydraulic modeling for open-channel and closed-conduit flow
- Prepared bid and construction documents including drawings and specifications
- Reviewed construction submittals for compliance with specifications
- Prepared planning documents for clients and governmental agencies
- Wrote Preliminary Engineering Reports and Facility Plans

**Project Engineer**  
**Dewberry – Danville, VA**  
*June 2006 – April 2010*

- Designed wastewater treatment plants, collection systems, and lift stations
- Designed water treatment plants, distribution systems, and pump stations
- Performed water balance, permitting, and intake design for 64 MGD pump station
- Sampled impoundments, streams, and rivers for water quality parameter testing
- Performed hydraulic modeling for open-channel and closed-conduit flow
- Wrote design specifications for construction documents
- Prepared planning documents for clients and governmental agencies
- Wrote operation and maintenance (O&M) manuals for treatment plant

