

Brian N. Wintle, PE, PhD, CHMM, BCEE

Brian Wintle is a licensed Professional Engineer with 12 years' experience in municipal and utility engineering project management, water and wastewater infrastructure design, planning, analysis, and regulatory compliance. Serving as an adjunct instructor for Oklahoma State University for six years, Dr. Wintle has a strong academic background in research and education in the engineering field, and his credentials include board certifications in hazardous materials management and environmental engineering. Professional areas of expertise include compliance strategies for surface water treatment facilities; evaluation and design of private, municipal and industrial water distribution systems; and evaluation and design of wastewater treatment plants and collection systems. He joined Crist Engineers in October 2018 as Project Manager.

PROFESSIONAL EXPERIENCE

Dr. Wintle's previous project experience includes:

- Ozone System Rehabilitation; Emporia, KS
- *Cryptosporidium* Ozone Inactivation and Removal Scheme; Iola, KS
- Nutrient Removal Study; Emporia, KS
- Wastewater Treatment Evaluation; Mannford, OK and Holdenville, OK
- High Pressure Plane Waterline Improvements; Norman, OK and Mannford, OK
- Wastewater Treatment Plant Disinfection Improvements; Coweta, OK
- ODEQ Water Reuse Committee
 - Developing Advanced Oxidation Process (AOP) guidance document
 - Developed free chlorine disinfection guidance document for disinfection of reuse water
- Nitrification and Total Chlorine Residual Distribution System Assistance; Broken Arrow, OK
- Lead and Copper Distribution System Assistance; Bristow, OK
- 5th and 6th St Waterline Design; Bristow, OK
- Water Treatment Facility Design; Garnett, KS
- Water Treatment Facility Investigations and Master Plan; Gardner, KS
- Conceptual Lime Softening Water Treatment Investigations and Rate Analysis; Shawnee County RWD #8, Tecumseh, KS
- Water Treatment Initial Investigations; Franklin County RWD #6, KS
- 2040 Water System Upgrades; Stillwater, OK
- A.B. Jewell Water Treatment Plant Stand By Power Generation and Switch Gear Project Management; Tulsa, OK
- Mohawk Water Treatment Plant Raw Water Pump Station Electrical Upgrade Project Management; Tulsa, OK
- A.B. Jewell Water Treatment Plant Chlorine Feed System Rehabilitation; Tulsa, OK
- A.B. Jewell Water Treatment Plant Hydrofluorosilicic Acid Feed System Rehabilitation; Tulsa, OK
- Water Treatment Plant Chemical Handling Design/ Scheme; Coweta, OK
- Water Treatment Facility No. 1 Chemical Handling Design/ Scheme; Enid, OK
- Spavinaw Water Treatment Plant Chemical Handling Review; Tulsa, OK
- Water Treatment Plant Backwash Line Environmental Investigations Coordination; Coweta, OK
- West 41st St Water Storage Tower Safety Review and Design; Sand Springs, OK
- High Pressure Plane Waterline Water Storage Tower Safety Review and Design; Norman, OK
- A.B. Jewell Water Treatment Plant Lagoons Discharge Permit Coordination; Tulsa, OK
- Ottawa MS4 Permit Compliance Coordination; Ottawa, KS
- Garnett Water Supply Drainage and Safe Yield Investigation; Garnett, KS
- Coweta Water Treatment Facility Site Grading and Drainage; Coweta, OK
- Duncan Water Supply Drainage and Safe Yield Investigation; Duncan, OK
- Plant 1 Screen Replacement; Wichita, KS
- Wastewater Treatment Plant Improvements; Valley Center, KS and Concordia, KS
- Southside Relocation Conceptual Study; Tulsa, OK
- 71st St Drying Beds Improvements; Tulsa, OK
- Wastewater Treatment Plant Permitting and Expansion; Fort Lupton, CO
- Lift Station Odor Control Design; Pittsburg, KS
- Lift Station Conceptual Design; Jenks, OK
- Wastewater Treatment Condition and Operations Evaluation; Garden City, KS

- Phosphorus Investigations; Rose Hill, KS
- Dewatered Biosolids Wash Water Phosphorus Investigations; Newton, KS
- Biosolids Handling and Disposal Study; Topeka, KS
- Industrial Pre-Treatment Facility Review and Request for Proposal Development; Wichita, KS
- Industrial User Rate Investigation and POTW Improvements Study; Garden City, KS
- Class A Biosolids Initial Investigations; Garden City, KS
- Nutrient Removal Study; Emporia, KS
- Custom Wastewater Technologies of Wichita, LLC Industrial Pretreatment Compliance Study; Wichita, KS
- North Canadian 96-inch Interceptor Inspection; Oklahoma City, OK
- Crow Creek Sanitary Sewer Evaluation Survey; Tulsa, OK
- Jones/Douglas Creek Sanitary Sewer Evaluation Survey and Rehabilitation Phase 1 and 2; Tulsa, OK
- Kennsington Force Main; Tulsa, OK
- Flat Rock Interceptor and Pump Station; Tulsa, OK
- Southside Wastewater Treatment Plant Odor Control Improvements; Tulsa, OK
- Haikey Creek Sanitary Sewer Evaluation Study; Broken Arrow, OK
- Wastewater Treatment Plant Disinfection Improvements; Coweta, OK
- Water Treatment Plant Backwash Line and Discharge Permit; Coweta, OK
- Industrial User Rate Investigation and POTW Improvements Study (Reuse Component Included); Garden City, KS
- Industrial Process and Rinse Water Reuse Facility Review and Request for Proposal Development; Wichita, KS
- Aerospace Industrial Pre-Treatment Facility Review and Request for Proposal Development; Wichita, KS
- Navistar IC Bus Assembly Plant NFPA/ NEC Coordination; Tulsa, OK
- ICM/ Lifeline Foods Stormwater Management; St. Joseph, MO
- Cherokee Nation Outpost No. 1 Gasoline Fueling Station; Project Management, Utilities and Grading Design; Tahlequah, OK
- Cherokee Nation Will Rogers Downs Casino and Racetrack Sanitary Sewer and Stormwater Infrastructure Review and Design; Claremore, OK
- Choctaw Nation Housing Authority Community Housing Utilities Design; Stigler, OK
- Lincoln Elementary New Addition Stormwater Drainage Study and Design; Ponca City, OK
- Osage Wind Power O&M Building Water Storage and Treatment System Design; Osage County, OK
- Oak Grove Baptist Church New Addition Stormwater Drainage Study and Design; Wagoner County, OK
- Pioneer Technical Center New Addition Stormwater Drainage Study and Design QA/ QC; Ponca City, OK
- Catholic Diocese Bishops Residence Stormwater Drainage Study, Floodplain Review and Design; Broken Arrow, OK
- Custom Wastewater Technologies of Wichita, LLC Industrial Pretreatment Compliance Study; Wichita, KS

PROFESSIONAL ACCOMPLISHMENTS AND CAREER ACHIEVEMENTS

Authored or Co-Authored Research Papers and Presentations:

- A Biofilter Odor Control Update on Southside WWTP and Collection System
- Total Phosphor Effluent Goal Challenges During Dewatering
- NDMA Concentrations within Two Water Systems in Northeastern Oklahoma
- Nutrient Removal and Biological Modeling of an Oxidation Ditch
- Treating Verdigris River Water – Design and Construction of the Coweta WTP
- The Use of 3-D Scanning Technology for the Design of a Chlorine Gas Feed System
- Condition Inspection for a 96-inch T-Lock Concrete Sanitary Interceptor
- DOC Characterization of Wastewater Effluent for Potential
- Indirect Potable Water Reuse Applications
- Strategies for Compliance with Stage 2 Disinfectants and Disinfection Byproducts for Surface Water Treatment Facilities in Northeastern Oklahoma
- DOC Characterization for Surface Water Impoundments in Northeast Oklahoma
- DOC Characterization for the Two Source Waters of Tulsa, OK
- DOC Characterization of Wastewater Effluent for Potential Indirect Potable Water Reuse Applications

EDUCATION/CERTIFICATIONS

Doctorate of Philosophy, Civil Engineering, Oklahoma State University, Stillwater, OK, 2012.

Master of Science in Environmental Engineering, Oklahoma State University, Stillwater, OK, 2008.

Bachelor of Science in Civil Engineering, University of Main, Orono, ME, 2007.

Professional Engineer – Arkansas, Oklahoma, Kansas, Colorado, Wyoming, New Mexico, Nebraska, Missouri, Illinois, South Dakota, Maine and New York
Water Works Operator, Class B - Oklahoma
Water Works Operator, Class III - Kansas
Wastewater Works Operator, Class B - Oklahoma
Wastewater Works Operator, Class III – Kansas
Board Certified Environmental Engineer (BCEE®)
Certified Hazardous Materials Manager (CHMM®)