

WATER QUALITY SERVICES

Providence's risk professionals apply expertise in toxicology, biology, ecology, geology, hydrogeology, environmental engineering and other scientific fields to provide cost-effective, scientifically defensible assessments and solutions to environmental problems.

Professional Services

Our water quality services include:

- NPDES/LPDES/SPDES permit application preparation
- Environmental assessment statements per L.R.S.30:2018
- Wastewater and storm water field sampling services
- Discharge Monitoring Report (DMR) preparation/assistance
- Wastewater Discharge Compliance Manuals/Training/Compliance Evaluations
- Storm Water Pollution Prevention Plans (SWPPPs)
- EPA 1600 Series Clean Technique procedures for trace metal monitoring
- CWA 316 (b) compliance demonstrations
- Toxicity Reduction Evaluations (TREs)/Toxicity Identification Evaluations (TIEs)
- Spill Prevention and Control (SPC)/Spill Prevention Control and Countermeasure (SPCC) Plans
- OPA facility response plans
- Water quality modeling and mixing zone analyses
- Total Maximum Daily Loads (TMDLs) and individual waste load allocations – technical analyses and negotiations



Professional Services

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- Responses to enforcement actions (e.g., compliance orders, notice of potential penalties, etc.)
- Ecological services
- NEPA compliance documents and EAs/EIS

Our water/wastewater infrastructure engineering services include:

- Vulnerability assessment and security planning of drinking water facilities
- Waste water treatment system engineering and design
- Wastewater treatment system operation performance evaluation
- Toxicity removal technologies
- Sewer system design, mapping and integrity evaluation
- Surface drainage evaluation and design



Professional Services

Providence has experience in the following industries:

- Inorganic and organic chemical manufacturing
- Oil and gas/exploration and production
- Petroleum refining
- Electric power
- Pipeline and transmission
- Natural gas processing
- Petrochemicals
- Pulp and paper
- Forest products
- Wastewater treatment plants
- Institutional and governmental entities
- Waste management and disposal
- Agricultural chemicals
- Plastics and rubber manufacturing
- Primary metals and foundries

