

Providence has assembled a dedicated team of professionals to address the total maximum daily loads (TMDLs) of pollutants that are being implemented for Louisiana water bodies.

Professional Services

Our TMDL services include:

- Monitoring/evaluation of current/on-going TMDL development including:
 - Individual point source waste load allocations (WLAs)
 - Non-point source load allocations (Las)
- Forecasts of impacts to wastewater permitting
- Evaluation of probable impacts on permit compliance
- LDEQ and EPA agency liaison and negotiations
- Public notice response
- Strategy development and implementation

Team members are experienced in the following areas pertinent to the TMDL process:

- Surface and groundwater hydrology
- Surface and groundwater modeling
- Mixing zone determinations and modeling
- TMDL development



Professional Services

Cont'd:

- Calculation of WLAs and water quality-based effluent limitations (WQBELS)
- Field water quality survey design
- Aquatic ecology
- Water quality chemistry
- Environmental toxicology
- EPA's recently developed 1600 Series Clean Techniques for trace metals monitoring
- Water effects ratio (WER) determinations
- Wastewater and storm water management and permitting
- Groundwater assessment
- Environmental data management including geographic information systems (GIS)
- Computer graphics and modeling
- Computer programming
- Project management



Professional Services

A TMDL:

- The maximum amount of a given pollutant that can be discharged into a water body from all natural and anthropogenic sources
- Includes both point and nonpoint source discharges
- Is assimilated in the water body and does not result in instream violations of ambient numerical criteria, narrative criteria, or impairment of designated uses

