



## PROJECT:

# Cowlitz Wastewater Treatment Plant

Cherokee Construction Services as the **prime contractor** teamed with Cascade Design Professionals L.P. on this Design-Build Membrane BioReactor (MBR) treatment plant which included four pump stations, gravity sewer lines, HDPE force mains, electrical distribution system and telemetry.

During construction, changes to the effluent disposal system diffusion wells were required including design changes to lighting and HVAC systems for the customer provided treatment plant building. Additionally, emergency storage and maintenance provisions as well as emergency power for the system were also included in the final design.

The plant and infrastructure were designed to accommodate future expansion by over 500% with virtually no additional construction required other than connection to the system.

Components for the plant were fabricated offsite and were transported to the site for assembly. The piping, the lighting and the HVAC systems were installed upon delivery.

### Project Highlights:

- 100% Design Build
- ARRA Funded Project
- Mid-Project Redesign Based on Geotechnical Investigations
- Project Completed on Time & Operational as of November 2011

### Project Vitals:

- **Client:** Cowlitz Indian Tribal Housing
- **Location:** Toledo, Washington
- **Contract Amount:** \$ 2,102,932.38
- **Duration:** July 2010 - November 2011
- **Contract #:** 10-170
- **Amount Self-Performed:** 71%
- **NAICS Code:** 237110

