

NISQUALLY RESERVATION WASTEWATER SYSTEM IMPROVEMENTS



Client: Nisqually Indian Tribe

The Nisqually Indian Tribe lacked wastewater infrastructure to meet their short- and long-term development needs. Parametrix worked with the Tribe to implement a series of improvements culminating in a new 0.55 MGD Water Reclamation Plant (WRP). Other projects include a 0.1 MGD lift station, grinder station, and temporary treatment facility that allowed the Tribe to move forward with the Public Safety Complex; fats, oils, and grease pretreatment facility at the Red Wind Casino; South Reservation Sanitary Sewer Collector system; and a second 0.1 MGD

lift station to support casino expansion.

The membrane bioreactor WRP is designed to deliver Class A Reclaimed Water and Class A Biosolids, resulting in a "zero waste" facility, meeting the Tribe's current and future water reclamation needs in a sustainable manner consistent with their cultural mandate. The improvements have allowed the Tribe to move forward with their planned improvements, creating a vibrant, sustainable community with housing, employment, and economic benefits for the Nisqually people and the surrounding area.



ACEC
Washington
Silver Award,
Unique or
Innovative
Applications (2016)