

Mike Nepple – Sample Professional Experience

Owner: City of Centralia, Washington

Projects: Fords Prairie Aquifer Restoration & Treatment Facility, Tennis Court Wells and Treatment Facility, Cooks & Ham Hill Booster Stations and Reservoirs, North County Watermains

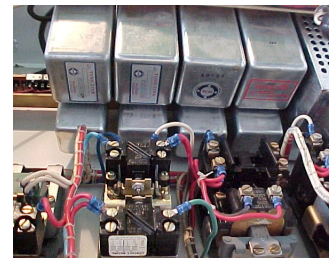
References: Jan Stemkoski, P.E., City Engineer - (360) 330-7512

Ernie Klimek, Water Utility Manager - (360) 417-4855 (Port Angeles)

Background: Under former employment, Mike served as project manager and lead designer for a series of major water capital projects the City sponsored over the course of eight years.

Challenges and Issues:

- A widespread aquifer contamination impacted private wells serving local residences that had no alternative source of water supply, and had forced the City to take a major supply well out of service.
- The sources required treatment to meet the Lead-Copper rule.
- The distribution system had excessive pressures near sources.
- Outdated telemetry and chlorine systems needed to be replaced.



Mike's Role: Served as project manager to direct multi-disciplinary consulting team, prepared civil and mechanical design, & developed process control narrative to guide controls integration.

Scope of Project Services:



- Obtain required approvals & permits.
- Perform hydraulic analysis and preliminary engineering.
- Model and specify CO₂ and VOC removal air stripping processes.
- Prepare design documents, and provide support to City staff during the bidding, construction, testing, and startup phases.

Project Outcomes:

- Four new water supply wells and two water treatment plants.
- One new booster station, two PRV stations, 12 hydraulic control valves, and mechanical modifications to one booster station.
- Nine PLC telemetry units and new SCADA headquarters computer.
- 6,000 linear feet of 18-inch water transmission main. 6,500 feet of 8-inch and 32,000 feet of 12-inch distribution mains, with customer service connections.
- Two new standpipe reservoirs with capacities of 0.75 and 0.24 MG.
- Two air-stripping treatment facilities with capacities of 2.6 and 5 MG.
- Replacement of gas chlorine systems with hypochlorite generation.

