



## WASTEWATER TREATMENT FACILITY IMPROVEMENT PROJECT Oakland, Oregon

**Size:** .8 MGD

**Cost:** \$4.6 Million

**Completion:** Spring 2004

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Mayor

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The City of Oakland's wastewater treatment plant was constructed in 1970. In 1993, their NPDES permit expired and could not be renewed due to changes in regulations prohibiting discharge of treated effluent to Calapooya Creek, changes in treatment standards and water quality regulations relating to biosolids management, and age of the existing treatment equipment and controls. The City entered into a Mutual Agreement and Order with DEQ to bring the City into compliance.



The City was faced with major regulatory, political, scheduling, and financial challenges in meeting the MAO guidelines. HGE, Inc., was retained to prepare a Wastewater Engineering Study, which was completed in February 1996. The study, which was approved by DEQ in November 1997, concluded that two major changes to the City's treatment system were needed:

- A larger, more efficient treatment facility was needed to provide summer-time level of treatment during winter months, and;
- A holding pond was needed to store effluent during periods when discharge to Calapooya Creek is prohibited.



Developing public support for the project was a concern, since the City was faced with major improvements to both the wastewater system and the water system at the same time. In 1998, HGE assisted the City of Oakland with a successful bond election which passed by more than 70 percent, even though there was to be a significant rate increase. The bonds provided local match for grants, which combined with low interest loans funded the \$4.6 million project.

HGE, Inc. designed and provided construction management for the new wastewater treatment plant, conversion of existing treatment facilities to biosolids storage, new effluent transmission line, effluent storage lagoons, and irrigation system.