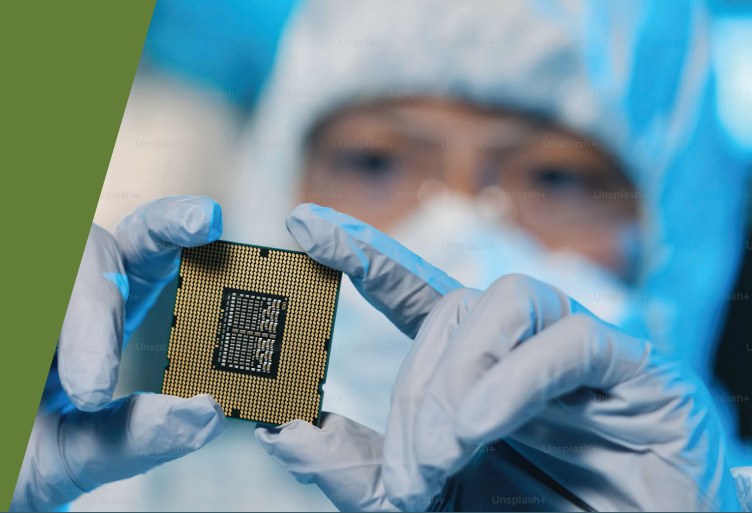


Wastewater Treatment Nitrifications Project



FUNDING REQUEST | \$5M



USES

- **Construct a nitrification (conversion) system** at Gresham’s Wastewater Treatment Plant to remove ammonia from semiconductor manufacturing waste streams.
- **Fund Phase II construction**, completing the project to meet industry and environmental standards.
- **Support semiconductor industry expansion** by providing critical wastewater treatment infrastructure.

CRITICAL INVESTMENT NEED

The City of Gresham is well positioned in Oregon and nationally for semiconductor industry development and expansion, with Microchip Corporation and ONSEMI located in the city. While already employing hundreds in the region, current and potential future expansions will bring a large number of additional family-wage jobs to the State and region and very large investments in construction activities and new equipment.

Costly improvements must be made to the City’s Wastewater Treatment Plant to allow for the removal of ammonia, a byproduct of semiconductor manufacturing. The City has already entered into an innovative and highly collaborative partnership with Microchip to provide \$8M in funding and \$8M in financing towards these improvements that total approximately \$34.1M, but additional investment is needed to fill the gap in project funding.

PROJECT FUNDING

Microchip Corporation	\$8M
City of Gresham	\$20.1M
EPA STAG Grant (FY 2024)	\$1M
Requested Federal Funding (FY '26)	\$5M
Total Project Cost	\$34.1M

PROJECT PHASING - FUNDING REQUEST FOR PHASE 1B

Phase 1A	Phase 1B	Phase 2
Design/Engineering for ammonia treatment system. (Completed)	Construction of ammonia treatment system to remove ammonia from waste stream.	Construction of secondary clarifier tank to increase capacity.

HOW THIS INVESTMENT SUPPORTS THE COMMUNITY

- **Family-wage job creation** incentivize the expansion of the semiconductor industry in Oregon.
- **Water quality** greatly reduces the discharge of thousands of pounds of ammonia per day to the Columbia River.
- **Low-income affordability** moderates the cost of wastewater utility rates for Gresham’s population, one of the most diverse and economically challenged in the Portland-Metro region.
- **Environmental protection** by eliminating the creation, transport, and landfill disposal of large volumes of hazardous waste.
- **Enhanced wildlife habitat through** improved water quality for salmon and other aquatic species.
- **Public-private partnership** with the City of Gresham and Microchip Corp.

THE IMPACT

The project has significant environmental and economic development benefits, while demonstrating the value of public-private partnerships to solve difficult infrastructure issues. The alternatives are more costly for the public and private industry, disincentivizing of semiconductor expansion in Oregon, and less environmentally beneficial, as on-site ammonia treatment generates hazardous solid waste that must be disposed of in local landfills.