

## Construction Under Way on Lyle Treatment Facility

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On January 25, the Klickitat PUD Commissioners awarded the bid for the Lyle Wastewater Treatment Facility project to the lowest bidder, McClure & Sons of Mill Creek, Washington.

A "notice to proceed" was issued to McClure & Sons in March. After years of meetings, letters to agencies and work with the Lyle Community Council, construction is under way.

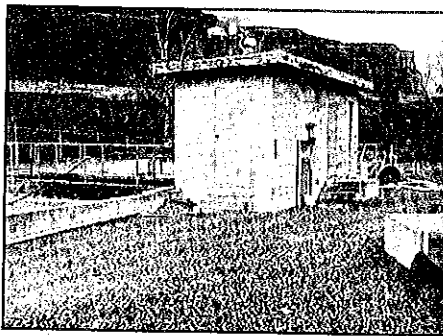
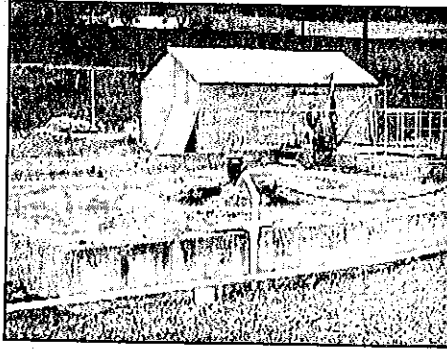
Construction of the Lyle facility includes keeping the older treatment units in place, but converting the treatment process to enable the use of fine bubble diffusers to reduce the biosolids.

A screen is used to clean the incoming liquid that will be installed at the beginning of the treatment facility. Once the return flow is screened and cleaned, it will be pumped to new concrete structures.

These structures act as aeration units and clarifiers.

The new process is unique. It allows for the required treatment to occur in a small area.

Other options would have required more land and separate clarifiers to keep the clean water and the active biomass separate.



*The Lyle Wastewater Treatment Plant before construction began to convert the treatment process.*

This aspect of the project played an important role in the planning, due to the limited size of the treatment plant site.

The new treatment facility upgrades the methods used to treat the return flow from the community.

Once the treatment facility is completed, the new plant will allow for removal of ammonia to ensure

high-quality effluent, and allow ultraviolet lights to destroy bacterial cell life. It will also eliminate the use of chlorine required with the old system.

This new treatment process is called a sequencing batch reactor. It will enhance the operation of the facility for the changing demands of the community. It also will improve treatment of the return flow to meet permit requirements of the Department of Ecology (DOE).

Klickitat PUD staff overseeing the project include Engineering Manager Jim Smith, Water-Wastewater Project Manager Doug Miller, Project Engineer Russ Patton, Project Inspector Tim Furlong and Grant Administrator Roxie Hunter.

The project is made possible by two low-interest loans from the Public Works Trust Fund totaling \$211,172; a \$45,000 grant from the U.S. Forest Service Pacific Northwest Assistance Fund; a \$1 million grant from the Washington State Office of Trade and Economic Development Community Development Block Grant program; and a grant and loan funding package from the DOE totaling \$1,763,543.

The Yakama Indian Nation also played an important role in this project, performing the cultural survey and approving the project. ■

### Reading Your Meter is Easy!

Klickitat PUD's rural customers are being reminded to read your meters monthly. It's best to read your meter the same day every month. Without an accurate monthly reading, our computer "guesses" how much electricity you have used and produces an estimated billing. Customers who are on our Budget Program need to continue reading their meter monthly, to keep track of actual usage.

Reading your meter is easy! Simply write down the numbers showing on your meter, left to right, the same way you read the odometer in your car.