

Residuals Treatment Facility

The Residuals Treatment Facility is being built as part of the Wastewater Treatment Project. It will process residual solids produced by the McLoughlin Point Wastewater Treatment Plant into Class A biosolids, the highest quality product suitable for beneficial use.

The Residuals Treatment Facility will be located within the footprint of the Hartland Landfill and all treatment processes will be completed within closed containers.

Odour control systems will ensure there is no discernible odour in the community from the facility. Noise from the facility will be minimal and will comply with District of Saanich bylaws.



*Artist rendering
of Residuals
Treatment Facility*

Hartland Landfill Site

The Hartland Landfill site was selected for the facility in 2013 after an assessment of potential sites that included technical, environmental, social and economic considerations.

Key benefits of the Hartland Landfill location include:

- locating the Residuals Treatment Facility next to the existing, active landfill and within the footprint of the landfill allows for future integration between the region's solid waste and liquid waste management plans;
- the land is owned by the CRD;
- the land is not part of the Agricultural Land Reserve, park or ecological land reserve; and
- distance from residential neighbours.

The Hartland Landfill site was reconfirmed through the Wastewater Treatment Project Board's review in 2016 and approved as part of the Wastewater Treatment Project by the CRD Board in 2016.



Wastewater Treatment Project

Treated for a cleaner future

Construction began in spring 2018 and will take approximately 2.5 years to complete.

Hartland Resource Management Group are responsible for designing, building and partially financing the construction of the Residuals Treatment Facility, and will also operate and maintain the facility for 20 years. The facility will have the capacity to treat more than 14,000 dry tonnes of residuals per year.

As construction is within the CRD's Hartland Landfill site, construction impacts to residents are not anticipated to be significant. Truck traffic will be within the capacity of the existing road network.

The contractor is responsible for addressing community impacts, including noise mitigation and dust control, air quality and odour mitigation, traffic management and public access, and safety within and around the construction site.

Operation and monitoring features of the Residuals Treatment Facility and Hartland Landfill site.

A robust operations and maintenance plan will be followed at the Residuals Treatment Facility.

The Residuals Treatment Facility will use an anaerobic digestion process followed by a dryer process to produce a dried Class A biosolid. The dryer will be fueled by biogas generated during the digestion process.

The ultimate use of these biosolids will be determined by a separate procurement process but could be an alternate fuel source.

Water quality is regularly monitored by the CRD as part of the environmental monitoring program for the Hartland Landfill, both on-site and near the property line, in addition to annual sampling of residential wells in close proximity to Hartland.

A stringent containment and spill planning and response plan will also be prepared specifically for the Residuals Treatment Facility that will meet federal and provincial requirements for environmental and operator protection.

About the Wastewater Treatment Project

The Wastewater Treatment Project will provide tertiary treatment for wastewater from the core area municipalities of Victoria, Esquimalt, Saanich, Oak Bay, View Royal, Langford and Colwood, and the Esquimalt and Songhees Nations. The Wastewater Treatment Project will be built so we comply with federal regulations by the end of 2020, and is being funded by the Government of Canada, the Government of British Columbia and the CRD.

For More Information

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