

## 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 reuse.

The Residuals Treatment Facility will be located within the footprint of the Hartland Landfill and will be completely enclosed 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.

### 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
- distance from residential neighbours



*Residuals Treatment Facility site within the Hartland Landfill*

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 is anticipated to begin in spring 2018 and will take approximately 2.5 years to complete.**

Hartland Resource Management Group has been selected as the preferred proponent to design, build, partially finance, operate and maintain the Residuals Treatment Facility over a 20-year term for the Wastewater Treatment Project. The facility will have the capacity to treat more than 14,000 dry tonnes of residuals per year.

A community engagement plan will ensure the surrounding community have advance notice of construction activity. As construction is confined to the Hartland Landfill, construction impacts to residents are not anticipated to be significant. Truck traffic is expected to be within the capacity of the existing road network.

The contractor will be 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.

### **More information will be available in advance of construction, including traffic management plans.**

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

There will be a robust operations and maintenance plan in place at the Residuals Treatment Facility.

The Residuals Treatment Facility will use 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 the Integrated Resource Management Advisory Committee of the CRD Board who will continue to engage with the Province, First Nations and the public throughout the planning process, and will contribute to a definitive plan by June 30, 2019.

Water quality is regularly monitored by the CRD as part of the environmental monitoring program for the Hartland Landfill, both on-site and near property line, in addition to an 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 protection 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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