Upgrading the Annacis Island Wastewater Treatment Plant will ensure that it continues to protect public health and the environment. These upgrades will allow the plant to meet the needs of our growing population, strengthen its ability to operate in the event of an earthquake, and adapt to climate change.

Project Description

Metro Vancouver is upgrading one of the region’s largest wastewater treatment plants. Treatment plant upgrades will include:

- Building a new outfall pipe to carry treated wastewater from the plant to the Fraser River
- Increasing the size of the plant and its ability to treat more wastewater
- Repairing or replacing older parts of the existing plant
- Strengthening the plant to reduce the impacts of an earthquake
- Improving existing odour controls
- Building a more reliable back-up power source

Most of the work will take place on plant property but construction will be noticed by nearby businesses.

Construction in the river will take place between 2020-2022.
The New Outfall

The outfall is the final link in a long chain of interconnected parts of the wastewater treatment system. A tunnel approximately one kilometer long will be constructed from the plant to the river, where a diffuser system will be installed.

The new outfall location and design will ensure that treated effluent is spread out over a broad area underwater to maximize dilution and minimize the impact on the environment.

Construction Activities

The types of construction activities associated with this work include:

- Delivery, excavation and removal of soils and other materials by large trucks
- Building demolition
- Tunnel shaft construction
- Construction of a cofferdam (sealed structure) from barges located about 100 metres offshore

Work Hours

Work will generally occur between Monday to Friday from 7:00 a.m. to 7:00 p.m. However, there may be times when crews will need to work longer hours or on weekends to complete certain sections of work.

Noise

All work will comply with the Corporation of Delta’s noise bylaws or granted variances. Where practical, crews will attempt to reduce noise impacts. Generators may be required to run overnight.

Access

Access to all businesses will be maintained. Construction of the diffuser system and riser shaft will take place outside of the river navigation channel to minimize impacts to river users.

Traffic Impacts

During construction additional truck traffic will be present on surrounding roads as materials are removed and delivered to the work site.

Our Commitment to You

Metro Vancouver is committed to minimizing the impacts of this project on the surrounding community, and to working closely with key stakeholders to listen to concerns and interests throughout the project. As part of our commitment Metro Vancouver will:

- Follow a rigorous permitting and approvals process at the federal and provincial levels
- Work with businesses, First Nations and government agencies before construction begins to identify potential project impacts and determine possible solutions
- Develop and implement traffic management plans to ensure traffic flow and property access are not significantly interrupted
- Develop and implement a river work plan to ensure construction does not significantly interfere with marine traffic and activities
- Provide a Community Liaison Officer to respond to questions and concerns
- Provide regular project updates via newsletter, web updates, and traffic advisories

DID YOU KNOW

The Annacis Island plant produces enough energy to meet all of its heat requirements and about 50% of its electricity needs.

Project Updates

For additional information on this project, please visit www.metrovancouver.org and search: “Annacis Island.”

Contacting Metro Vancouver

Metro Vancouver Information Centre: 604-432-6200
(Monday to Friday from 8 a.m. to 4:30 p.m.)

After Hours Emergency: 604-451-6610

Email: icentre@metrovancouver.org
(Please include “Annacis Island” in the subject line)

@MVRoadwork