

Compliance Monitoring of Groundwater Quality for Site Redevelopment



Project Profile

Our Client's Site is a metal recycling business that has operated since the late 1970's along the Fraser River. Our client collects, processes, recycles, trades and brokers ferrous and non-ferrous scrap metal. The Site is currently undergoing a multi-million dollar redevelopment to introduce shearing and shredding facilities that will increase the throughput of metals at the Site.

Issue

Site operations result in the handling and processing of a large volume of scrap metal. Prior to shredding, scrapped vehicles are of all fluids (e.g. gasoline, oils, etc.) and heavy equipment works on the Site to sort materials and load processed material onto barges. These operations result in the potential for hydrocarbon or metals impacts to groundwater, which would flow into the Fraser River.

Solution

We installed monitoring wells in the upland portion of the Site and along the foreshore to assess whether groundwater quality is meeting the applicable provincial and federal regulatory standards.

Outcome

We monitor the groundwater quality semi-annually to ensure that the Client complies with Port Metro Vancouver requirements.