

BC Rail Trade Waste Treatment Plant

The BC Rail Trade Waste Treatment Plant, located in Prince George, treats influent from BC Rail's locomotive repair shop and wash rack. The daily flow is approximately 50,000 gallons which flows into an equalization storage tank. The first treatment process consists of an oil and water separator and screen.



Oil/Water Separator

The second step in the process is a flocculation mixing tank with pH adjustment with acid addition also. Following this is dissolved air flotation thickening and polymer addition. The scum is skimmed off and pumped to a storage tank and the sludge is pumped from the bottom to another storage tank.



Flocculation Mixing Tank

More polymer is added to the sludge which is then allowed to settle and the clear liquid is decanted back through the system. The sludge is then run through a hydraulic press to produce a biosolids cake.



Hydraulic Sludge Press

Finally, the effluent from the DAF's is discharged into the City of Prince George BCR wastewater lagoons.



Ben Cruz receiving his certificate from EOCP Director, Al Lane.

Ben is the first BC Rail operator to be certified. The BC Rail Trade Waste Treatment Plant is classified as a Level II plant.