



**The Water Resource Centre brings Sechelt:**

- **an end to the noise and odour** from the Ebbitide plant
- **a cleaner offshore environment** with ten times less waste solids discharged into Trail Bay
- **double our existing treatment capacity to meet projected needs for the next 20 years**
- **a treatment system that is more cost efficient to operate**
- **an active use park on the site** consistent with the adjacent recreation and residential areas
- **reuse of resources** (biosolids, heat, reclaimed water) **that were once wasted.**

## Water Resource Centre Fast Facts:

### Treatment Capacity

**Average day flow:** 4000 cubic metres per day (Current system: 2200 cubic metres per day)

**Peak flow:** 6000 cubic metres per day

Peak hourly flow: 500 cubic metres per hour (12,000 cubic metres per day)

**Population Capacity:** 14,000 people (Current system connected population: 6,000 people)

**Future Expansion Capability:** to 8000 cubic metres per day or population of 28,000 people

### Tankage Capacity

Influent Holding: 907 cubic metres  
 Batch Reactors: 4 X 1000 cubic metres  
 Secondary Equalization: 400 cubic metres  
 Sludge Holding: 400 cubic metres

### Treatment

**Primary:** 6mm Fine Screens, cyclonic grit separation

**Secondary:** *Organica* Fed Batch Reactor

**Tertiary:** Membrane Filtration to 20nm (0.00002mm)

**Disinfection:** Ultra Violet

**Biosolids Treatment:**

Dewatering by centrifuge to 20% solids and composting to Class A compost (by Salish Soils)

### Effluent Quality

BC "Indirect Potable Reuse" standard  
 Suspended Solids > 5 mg/L  
 Biochemical Oxygen Demand >5mg/L  
 Turbidity < 1 NTU/L  
 Coliforms median <1 CFU/100mL

### Effluent Disposal

Using of existing ocean outfall in Trail Bay when not reused. Effluent is suitable for reuse for industry, park irrigation and agriculture.

