

# Anatomy of the Landfill

## St. Johns Landfill cover and well system

The decomposing waste at the St. Johns Landfill has been covered with soil, sand and a plastic membrane. Much of the cover material used was recycled from the existing landfill cover or dredged from the Columbia River. A network of wells drilled into the waste collects the methane produced by the decomposing garbage.

### Materials used in cover:

- Top soil: 391,848 cubic yards
- Percent of topsoil recycled from old landfill cover: 45%
- Sand: 533,659 cubic yards
- Percent of sand dredged from the Columbia River: 57%
- Total amount of membrane: 1,087,082 square yards (170 football fields)
- Total amount of geonet composite: 367,090 square yards
- Total amount of compacted silt: 350,721 square yards
- Percent of silt recycled from old landfill cover: 16%

