



### Purpose of installation

Located in the northern Melbourne suburb of Epping, the development will house the new Melbourne wholesale fruit and vegetable markets.

WJP Solutions was approached by Lend Lease with a concept that sewage captured on-site be treated and re-used to reduce water consumption during the construction stage of the development.

The major equipment of the plant is housed in a shipping container with tanks located in close proximity.

Upon completion of the construction project, this plant can be removed from the site and re-used on future Lend Lease construction sites.

### Use for treated water

Toilet flushing in site office / amenities

### WJP Solutions' role

WJP Solutions provided engineering design services prior to supplying, installing and commissioning the plant which it now maintains.

### Technical specifications

Containerised (Temporary) plant

System design capacity - 10,000 litres per day

### Principal elements of the treatment process:

- inlet / screening system (Septic tank / in line exit filter)
- balance tank (poly)
- bio-reactor aerobic tanks (Poly)
- membrane operating system (stainless-steel)
- chlorine disinfection system
- treated water storage tank/s (Poly)
- full PLC / SCADA automation system inc. remote monitoring and BA interface
- automated sludge removal system (pump out holding tank)

