



Les Burger Field Bogangar

Les Burger Field (Bogangar Rugby League grounds) has been identified in the Effluent Reuse Opportunities Report as one site where the use of recycled water would be appropriate. The report is part of Council's Integrated Water Cycle Management Strategy.

Recycled water is important because we live on the driest continent on earth and we need to reduce pressure on our precious drinking water reserves. Recycled water is a resource not a waste.

Benefits

Water Savings

Les Burger Field has been operating an irrigation system with potable water for approximately 10 years and by substituting recycled water at the ground, the water savings will be the equivalent to supplying water to 230 new homes (240kl/property per annum).

Improving the playing surface

Currently, only the main field is irrigated and due to the layout of the system, uniform irrigation is not provided. Recycled water will also be available throughout drought periods. This will enable the playing surfaces to be irrigated without being subject to water restrictions. Use of recycled water for field irrigation will overcome problems in low rainfall periods and keep the field green and lush all year round.

Cost Savings

The Tweed Shire Council's Recreation Services Unit is aware of the need to reduce water consumption and is impacted by the cost of supplying potable water on its operating budget for the site. Recycled water costs will be approximately 80 per cent of potable water costs and this

provides an opportunity to utilise the available resources better.

Reduce Pressure on the Existing Disposal System

Recycled water from the Hastings Point Waste Water Treatment Plant is currently discharged to a dune exfiltration system located east of Tweed Coast Road. The discharge system is designed to distribute recycled water through a network of subsurface drains located within a 800-metre long strip of the sand dunes. The treated water percolates downward through the sand and is dispersed into the tidal subsurface sea water zone. Beneficial use of recycled water will reduce flows to the dune exfiltration system.

Proposed Works

The proposal consists of the upgrading of the existing irrigation system and the construction of the subsidiary recycled water rising main, booster pump and recycled water storage tank adjacent to the main playing field. The water will then be used on the field as required.

Management

There are established guidelines for the use of recycled water in public open spaces to ensure public safety. The Recycled Water Management Plan has been prepared and will be implemented during irrigation. The Review of Environmental Factors prepared for the project identifies potential impacts and recommends mitigation measures.

Specific control measures to be implemented include:

- Irrigation only to be undertaken at night between 10pm and 2am.
- Irrigation not permitted during windy conditions.
- Irrigation not permitted during wet weather.



- Tweed Shire Council Recycled Water Initiative is a part of Council's Integrated Water Cycle Management Strategy