

Nutrient Removal

Extended Aeration Treatment Plant

The Sunbury Treatment Plant (Victoria) treated about 3ML / day at the time the results were taken. Biosol treated about 20% of the sewage inflow into the treatment plant. This Biosol treated sewage inflow was for odour and corrosion control in the sewage catchment.

Phosphorus removal at the Treatment Plant

Biosol dosing in the sewage catchment, has resulted in a **85%** reduction in Phosphorus in the sewage effluent discharged at the treatment plant

Western Water	mg/l phosphorus	mg/l phosphorus	mg/l phosphorus	Average
Before Biosol Dosing	0.45	0.41	0.51	0.46
After Biosol Dosing	0.05	0.04	0.12	0.07

Nitrogen Removal at the Treatment Plant

Biosol dosing in the sewage catchment has resulted in a **51%** reduction in Nitrogen in the sewage effluent discharged at the treatment plant

Western Water	mg/l NOx	mg/l NOx	mg/l NOx	Average
Before Biosol dosing	14.41	24.5	16.2	18.37
After Biosol Dosing	7.65	8.94	10.2	8.9

Biosol Improves Effluent Nutrient Removal