

Synergy Water Treatment Plant Statistics	Defence Lake Cochran WTP, RAAF Williamtown NSW	Defence Construction WTP, RAAF Williamtown NSW	Orora Petrie WTP, QLD	Georgiou Moorebank West WTP, NSW	Defence HMAS Cerberus WTP, VIC	CPB Orchid Hills WTP, NSW	Defence NACC Tindal WTP, NT
Operational dates	30/11/2016 - 17/08/2020	31/01/2016 - 31/03/2018	1/11/2018 - Current	29/11/2018 - Current	11/10/2018 - Current	6/9/2019 - 24/09/2019	1/6/2020 - Current
Type of Influent	Surface and Groundwater	Surface and Groundwater	Surface and Groundwater	Surface and Groundwater	Surface and Groundwater	Surface and Groundwater	AFFF Wastewater
Size of WTP	Large	Large	Large	Medium	Medium	Medium	Small
Type of WTP Technology	Carbon & Resin	Carbon & Resin	Carbon & Resin	Carbon Only	Carbon Only	Carbon Only	Carbon & Resin
Max Flowrate	Up to 70L/s	Up to 25L/s	Up to 15L/s	Up to 10L/s	Up to 15L/s	Up to 10L/s	Up to 5L/s
Total volume of water treated	1,173,137,000 litres	612,527,000 litres	211,347,000 litres	51,716,000 litres	54,358,561 litres	5,347,000 litres	244,000 litres
Mean Total PFAS untreated water	6.60 ug/L	24.53 ug/L	1.89 ug/L	1.94 ug/L	5.23 ug/L	1.59 ug/L	12,946 ug/kg (TOPA)
Maximum Total PFAS untreated water	3010 ug/L	3799.2 ug/L	4.15 ug/L	7.42 ug/L	114.50 ug/L	2.42 ug/L	13,840 ug/kg (TOPA)
Mean Total PFAS treated water	< 0.01 ug/L	0.15 ug/L	0.007 ug/L	< 0.01 ug/L	< 0.01 ug/L	< 0.01 ug/L	0.014 ug/L (TOPA)
Maximum Total PFAS treated water	0.08 ug/L	8.69 ug/L	0.223 ug/L	< 0.01 ug/L	0.69 ug/L	< 0.01 ug/L	0.019 ug/L (TOPA)
Treated water % compliance with criteria	100%	99%	99%	100%	100%	100%	100%
Treated water discharge criteria	Sum of PFOS + PFHxS < 0.07 ug/L	PFOS < 0.2 ug/L	EA Maximum Criteria each PFAS < 0.05 ug/L + Sum of PFOS + PFHxS < 0.07 ug/L	Sum of PFOS + PFHxS < 0.07 ug/L	Sum of PFOS + PFHxS < 0.01 ug/L	Sum of PFOS + PFHxS < 0.07 ug/L	TOPA Individual PFAS analytes < 0.01 ug/L
	PFOA < 0.56 ug/L	PFOA < 0.4 ug/L	EA 95th Percentile Criteria each PFAS < standard level LOR (i.e. PFOS < 0.01 ug/L) except PFBA, PFPeA, PFHxA, & Fluorotelomer Sulfonic Acids	PFOA < 0.56 ug/L	PFOA < 0.01 ug/L	PFOA < 0.56 ug/L	-
	Target Criteria PFOS < 0.02 ug/L, PFOA < 0.02 ug/L, PFHxS < 0.02 ug/L, 6:2 FTS < 0.05 ug/L	Target Criteria PFOS < 0.02 ug/L, PFOA < 0.04 ug/L, PFHxS < 0.02 ug/L, 6:2 FTS < 0.05 ug/L	EA 90th Percentile Criteria each PFAS < trace level LOR (i.e. PFOS < 0.001 ug/L) except PFBA (<0.02 ug/L), PFPeA (<0.01 ug/L) & PFHxA (<0.01 ug/L)	Target Sum of PFAS < 0.01 ug/L	Target Sum of PFAS < 0.1 ug/L	Target Sum of PFAS < 0.01 ug/L	Target TOPA Sum of PFAS < 0.01 ug/L

Analytical Data current to November 2020 and volume data current to December 2020 for all current projects