

34. Midway Point STP

34.1 Activity and report details

Activity name	Midway Point STP		
Activity address	Lake View Parade, Midway Point		
Permit number	Licence to Operate – 3298	Date of issue	10/01/1992
EPN	9412/2	Date of issue	14/02/2019
Treatment level	Secondary Treatment		
Authorised dry weather flows	810 kL/day		
Key influent source	Residential/Industrial		
Contact person	Kate Westgate		
Report author	George Fitzgibbon		
Contact details	Environment@taswater.com.au		
Date of submission	30 September 2025		

Figure 34-1: Midway Point Sewage Treatment Plant



34.2 Monitoring and compliance summary

34.2.1 Flow data

Table 34-A: Flow monitoring summary

	Influent	Effluent	Reuse
Location name	Inlet	Pitt Water via Sorell STP	Penna Reuse Scheme
Coordinates	E 543929 N 5261611	E 546102 N 526002	E 546060 N 5262122
Method of measurement	Level sensor	Estimate based on influent	Estimate based on influent
Date of last calibration/validation (if applicable)	8/05/2025	NA – to be installed	8/05/2025

Table 34-B: Annual flow and rainfall data

Month	Average daily influent volume (kL/day)	Rainfall (mm/month) BOM Station ID 94248	Discharge to waters total effluent volume (ML)	Discharge to reuse total effluent volume (ML)
July 2024	661	63.3	0.00	20.48
August 2024	618	53.6	0.00	19.15
September 2024	646	41.5	0.00	19.39
October 2024	574	25.9	0.00	17.79
November 2024	575	20.8	0.00	17.26
December 2024	652	90.8	0.00	20.21
January 2025	561	7.6	0.00	17.40
February 2025	543	14.7	0.00	15.19
March 2025	579	19.2	0.00	17.94
April 2025	568	30.6	0.00	17.05
May 2025	565	36	0.00	17.50
June 2025	594	27.5	0.00	17.83
Annual 2024-25	595	431.5	0.00	217.20
% of total discharge	--	--	0.0%	100.0%

2024-25 monthly flow data was submitted directly to the EPA.

34.3 Bypass events

No bypass events in the reporting period.

34.4 Discharge compliance with permit limits

Table 34-C: Compliance summary

Parameter	Ammonia	BOD ₅	Chlorine	Nitrogen	Oil and grease	pH	Phosphorous	E. coli	Total suspended solids
Permit/EPN limit	mg/L	mg/L	mg/L	mg/L	mg/L	Units	mg/L	MPN/100mL	mg/L
Maximum	11	35	--	24	5	8.5	9	750	21
90th percentile	--	--	--	--	--	--	--	--	--
50th percentile	--	--	--	--	--	--	--	--	--
Minimum	--	--	--	--	--	6.5	--	--	--
Samples analysed									
Number required	12	12	--	12	12	12	12	12	12
Number analysed	0	0	--	0	0	0	0	0	0
Statistical summary									
Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90th percentile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50th percentile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EPN limit compliance									
% compliance with maximum	--	--	--	--	--	--	--	--	--
% compliance with 90th percentile	--	--	--	--	--	--	--	--	--
% compliance with 50th percentile	--	--	--	--	--	--	--	--	--
% compliance with pH range	--	--	--	--	--	--	--	--	--

This STP discharges either to the Penna Reuse Lagoons or to environment via the Sorell STP outfall. As the Sorell STP outfall is a combined discharge, specific compliance sampling is only undertaken for Midway Point STP when it is discharging to environment.

Table 34-D: Mass loads to the environment

Mass Loads	EPN limit	Frequency	2024-25 result
Nitrogen (kg)	--	Annual	0.0
Phosphorous (kg)	--	Annual	0.0
Method	Time weighted/grab sample method		

34.5 Reuse annual reporting

As this STP discharges to the Penna Reuse Lagoons for reuse, no compliance sampling is taken. Refer to Penna STP Annual Environmental Review for performance to reuse.

34.6 Ambient monitoring program

Table 34-E: Program details

Program	None
Status	NA
Update	NA
Comments	No discharges to Sorell STP in the reporting period.

34.7 Groundwater monitoring

Site status: Red

Midway point STP groundwater monitoring network consists of two groundwater monitoring bores, ID numbers MPG1-2 which are located on the eastern boundary of the STP.

6-Monthly sampling was completed at both monitoring bores in September 2024 and March 2025 as scheduled. Samples from STP Lagoons 1 and 2 and the downstream surface waters of Orielton Bay were also sampled at these times. No samples of Orielton Bay upstream of the STP, or STP Lagoon 3 could be sampled.

The 2024-25 groundwater monitoring event recorded elevated concentrations of several analytes in groundwaters highly likely from STP impacts. No signs of STP impact on surface waters was identified. A data gap in the monitoring network has been identified for the inclusion of an up gradient monitoring bore to monitor background conditions.

6-Monthly sampling at the extended analytical suite is scheduled to continue at both bores, the STP lagoons and Orielton Bay during the 2025-2026 monitoring program.

34.8 Inflow and infiltration (I&I)

The latest revision to the TasWater Inflow and Infiltration Management Plan includes details of the actions undertaken statewide to address I&I issues.

A Multi Criteria Assessment was undertaken by TasWater in 2024 to prioritise I&I investigation and works state-wide. This catchment was ranked 40 out of 108 in priority (high).

34.9 Sludge and biosolids

The latest revision to the Sewage Sludge Management Plan (SSMP) includes full details of the actions undertaken during the reporting period. This STP was assessed as compliant with the 2024-25 SSMP.

There are no sludge/biosolids dewatering facilities at this site, with sludge transferred via liquid sludge transport to Macquarie Point, Prince of Wales Bay and Rokeby STPs. The total volume of sludge removed during the reporting period was 6094.2kL

No stockpiling occurs at this site.

Table 34-F: Liquid sludge transfers from Midway Point STP

Receiving STP	Volume (kL)
Macquarie Point STP	2,066.5
Prince of Wales STP	3,995.7
Rokeby STP	32
TOTAL	6,094.2

34.10 Non-compliance with other permit requirements

Table 34-G: EPN non-compliances

EPN condition	Description of non-conformance	Future actions to be taken
Annual Environmental Review	Found to be non-compliant for FY23/24	A comprehensive review across all STPs will be undertaken to ensure future AERs provide a more complete account of compliance performance.

34.11 Complaints and incident reporting

No incidents reported during the FY2024-25 reporting period.

Table 34-H: Complaints reporting

Date	Category	Details	Mitigation actions
13/09/2024	Odour	Odour identified coming from the STP. Pumps trucks come every Monday to site to take sludge away from the tanks. The removal of sludge from the tanks is likely the cause of the odour.	Pump truck contractor was counselled on taking measures to minimise any odour that occurs during these pumping events.

34.12 Any other relevant information

None.

For further information on Midway Pointy STP please contact TasWater on 13 6992

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