27. Hoblers Bridge STP

27.1 Activity and report details

Activity name	Hoblers Bridge STP		
Activity address	Hoblers Road, Newstead, Launceston		
Permit number	Licence to Operate - 3383	**Date of issue**	26/10/1992
EPN	8103/1	**Date of issue**	12/06/2013
Treatment level	Secondary Treatment		
Authorised dry weather flows	4500 kL/day		
Key influent source	Residential/Industrial 2 x Category 2 Customers		
Contact person	Kate Westgate		
Report author	Luisa Romero (Environmental Scientists)		
Contact details	Environment@taswater.com.au		
Date of submission	30 September 2024		

Figure 27-1: Hoblers Bridge Sewage Treatment Plant

27.2 Monitoring and compliance summary

27.2.1 Flow data

Table 27-A: Flow monitoring summary

	Influent	Effluent	Reuse
Location name	Inlet	North Esk River	No reuse scheme
Coordinates	E 514168 N 5412693	E 514202 N 5412599	NA
Method of measurement	Flow Meter (continuous measurement)	Estimate based on influent	NA
Date of last calibration/validation (if applicable).	09/08/2024	NA – to be installed	NA

Table 27-B: Annual flow and rainfall data

Month	Average daily influent volume (kL/day)	Rainfall (mm/month) BOM Station ID 91237	Discharge to waters total effluent volume (ML)	Discharge to reuse total effluent volume (ML)
July 2023	3,647	83.4	113.05	--
August 2023	3,415	51.0	105.85	--
September 2023	2,940	29.7	88.20	--
October 2023	2,561	37.0	79.40	--
November 2023	2,428	30.5	72.85	--
December 2023	2,588	49.4	80.23	--
January 2024	2,433	57.2	75.42	--
February 2024	2,362	9.2	68.50	--
March 2024	2,156	14.4	66.84	--
April 2024	2,498	50.4	74.95	--
May 2024	2,479	34.4	76.84	--
June 2024	2,940	74.4	88.19	--
Annual 2023-24	2,713	521.0	990.31	--
% of total discharge	--	--	100.0%	--

2023-24 monthly flow data was submitted directly to the EPA.

27.3 Bypass events

There were no bypass events associated with the STP during the reporting period.

27.4 Discharge compliance with permit limits

Table 27-C: Discharge compliance with permit limits

Parameter	Ammonia	BOD5	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	30.0	20	1.5	40.0	10.0	8.5	12.0	1000	30.0
90th percentile	--	--	--	--	--	--	--	--	--
50th percentile	--	--	--	--	--	--	--	--	--
Minimum	--	--	--	--	--	6.5	--	--	--
Samples analysed									
Number required	12	12	12	12	12	12	12	12	12
Number analysed	12	12	12	12	12	12	12	12	12
Statistical summary									
Maximum	2.0	13	1.31	31.3	1.0	7.2	4.3	988	10.9
90th percentile	1.4	8	1.28	29.5	1.0	7.1	4.2	379	8.6
50th percentile	0.6	5	0.92	22.1	1.0	6.9	2.3	20	4.5
Minimum	0.1	5	0.55	13.9	1.0	6.5	1.7	10	4.0
EPN limit compliance									
% compliance with maximum	100%	100%	100%	100%	100%	--	100%	100%	100%
% compliance with 90th percentile	--	--	--	--	--	--	--	--	--
% compliance with 50th percentile	--	--	--	--	--	--	--	--	--
% compliance with pH range	--	--	--	--	--	100%	--	--	--

Table 27-D: Mass loads to the environment

Parameter	EPN limit	Frequency	2023-24 result
Nitrogen (kg)	--	Annual	22679.9
Phosphorous (kg)	--	Annual	2660.0
Method	Flow weighted/Composite method		

No parameters had exceedances in the reporting period.

27.5 Reuse annual reporting

No Recycled Water Scheme associated with this STP.

27.6 Ambient monitoring program

Table 27-E: Program details

Program	NA - No requirement for ambient monitoring in the reporting period.
Status	NA
Update	NA
Comments	NA

27.7 Groundwater monitoring

No groundwater monitoring network for this site.

27.8 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. Update to the actions completed will be provided in the next revision due September 2024.

A Multi Criteria Assessment was undertaken by TasWater in 2024 to prioritise I&I investigation and works state-wide. This catchment was ranked 22 out of 108 in priority.

27.9 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 deemed non-compliant with the 2023-24 SSMP due to missing Biosolids Management Plans and biosolids stabilisation verification report.

A stabilisation report has since been submitted to the EPA for review (7 June 2024). Biosolids management plans will be included in 2024-25 SSMP.

Biosolids are removed regularly from site, no stockpiling occurs. Liquid sludge was transferred to Ti Tree Bend STP during the month of March 2024 due to the belt press being offline for repairs. 1285kL was transferred in total for the reporting period.

Table 27-F: Biosolids sludge classification summary

Parameter	Number of samples	Maximum (mg/kg)	Mean (mg/kg)	Minimum (mg/kg)	BACC (mg/kg)	Contaminant classification
Arsenic	12	4.6	3.47	2.5	4.5	A

Parameter	Number of samples	Maximum (mg/kg)	Mean (mg/kg)	Minimum (mg/kg)	BACC (mg/kg)	Contaminant classification
Cadmium	12	2.1	1.35	0.8	2.2	B
Chromium	12	35.5	31.08	27.7	36.0	A
Copper	12	401	330	294	399.2	B
Lead	12	37.4	31.6	25	41.0	A
Mercury	12	0.87	0.5	0.03	1.0	B
Nickel	12	70.8	57.0	47.8	69.0	B
Zinc	12	1280	991.1	871	1212.2	B

Table 27-G: Volume and disposal destination

Quantity (DST)	Average solids content	Stabilisation method	Stabilisation grade	Contamination grade	Biosolids classification	End use destination
113.7	15.85%	Anaerobic digestion	B	B	2	Logan Farm

27.10 Non-compliance with other permit requirements

Table 27-H: EPN non-compliances

EPN condition	Description of non-conformance	Future actions to be taken
EM2 Effluent reuse feasibility study	Effluent reuse feasibility study not yet submitted to EPA.	Dependant on outcome of LSIP strategy.
EM3 Discharge Management Plan	Discharge Management Plan overdue	TasWater acknowledges the non-compliance associated with the DMP condition. We are working towards the intent of the EPN condition to prioritise discharge risk reduction projects in line with our EPA endorsed Wastewater Risk Management Plan and Price and Service Plan process. Hoblers Bridge is included in the Launceston Sewerage Improvement Project for rationalisation.
WM2 Sewage Sludge Management Plan	Assessed as non-compliant on the basis of insufficient record keeping to demonstrate adherence to legal requirements and commitments in the 2022-23 SSMP as approved by EPA	TasWater submitted a finalised stabilisation verification report to the EPA in June 2024. Relevant Biosolids management plans will be included in 2024-25 SSMP

27.11 Complaints and incident reporting

No complaints or incidents reported during the FY2023-24 reporting period.

27.12 Any other relevant information

Table 27-I: Projects or significant operational events that occurred in FY 2023-2024

Project or significant operational event	Progress
Launceston Sewerage Improvement Program (LSIP)	Opportunities for rationalisation of Hoblers Bridge flows are being investigated as part of LSIP.
Chlorine System Safety Upgrade	Completed
Dewatering Conveyor Replacement	Completed

For further information on Hoblers Bridge STP please contact TasWater on 13 6992

www.taswater.com.au