

## 29 Latrobe STP

### 29.1 Activity and report details

Activity name	Latrobe STP		
Activity address	River Road, Latrobe		
Permit number	Licence to Operate - 3614	Date of issue	22/02/1989
EPN	7454/1	Date of issue	13/09/2007
Treatment level	Secondary Treatment		
Authorised dry weather flows	1000kL/day		
Key influent source	Residential		
Contact person	Kate Westgate (Manager Environmental Performance)		
Report author	Jake Crisp (Environmental Scientist)		
Contact details	Environment@taswater.com.au		
Date of submission	30 September 2025		

**Figure 29-1: Latrobe Sewage Treatment Plant**



## 29.2 Monitoring and compliance summary

### 29.2.1 Flow data

**Table 29-A: Flow monitoring summary**

	Influent	Effluent	Reuse
<b>Location name</b>	Inlet	Bass Strait (via Pardoe STP outfall)	No reuse scheme
<b>Coordinates</b>	E 449028 N 5436123	E 449255 N 5443071	NA
<b>Method of measurement</b>	In line meter	Estimate based on influent	NA
<b>Date of last calibration/validation (if applicable).</b>	25/08/2024	NA – to be installed	NA

**Table 29-B: Annual flow and rainfall data**

Month	Average daily influent volume (kL/day)	Rainfall (mm/month) BOM Station ID 91126	Discharge to waters total effluent volume (ML)	Discharge to reuse total effluent volume (ML)
July 2024	2,160	104.7	66.96	--
August 2024	2,592	139.7	80.35	--
September 2024	2,074	86.8	62.21	--
October 2024	1,728	86	53.57	--
November 2024	1,728	89.1	51.84	--
December 2024	1,814	73.9	56.25	--
January 2025	1,469	15.6	45.53	--
February 2025	1,017	6.2	28.47	--
March 2025	1,187	17.1	36.80	--
April 2025	1,719	30	51.58	--
May 2025	1,017	40.8	31.52	--
June 2025	1,419	58.5	42.57	--
Annual 2024-25	1,665	748.4	607.64	0.00
% of total discharge	--	--	100.0%	0.0%

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

### 29.3 Bypass events

No bypasses recorded in this period.

## 29.4 Discharge compliance with permit limits

**Table 29-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	--	50	--	--	--	8.0	--	10000	--
90th percentile	--	--	--	--	--	--	--	--	--
50th percentile	--	--	--	--	--	--	--	1000	--
Minimum	--	--	--	--	--	5.5	--	--	--
Samples analysed									
Number required	12	12	--	12	12	12	12	12	12
Number analysed	12	12	--	12	12	12	12	12	12
Statistical summary									
Maximum	196.3	125.0	4.4	249.3	13.7	8.1	9.9	24196.0	50.0
90th percentile	47.3	69.6	1.9	67.4	6.9	7.8	7.4	24196.0	43.0
50th percentile	28.8	33.5	0.9	43.7	5.4	7.4	5.8	14713.5	39.0
Minimum	1.2	8.0	0.0	10.7	1.9	6.9	1.1	52.0	19.4
EPN limit compliance									
% compliance with maximum	--	83%	--	--	--	92%	--	42%	--
% compliance with 90th percentile	--	--	--	--	--	--	--	--	--
% compliance with 50th percentile	--	--	--	--	--	--	--	8%	--
% compliance with pH range	--	--	--	--	--	92%	--	--	--

**Table 29-D: Mass loads to the environment**

Mass Loads	EPN limit	Frequency	2024-245result
Nitrogen (kg)	--	Annual	33904.0
Phosphorous (kg)	--	Annual	2792.3
Method	Time weighted/grab sample method		

**Table 29-E: Performance Analysis (Discharge to environment)**

Effluent compliance parameter	Date(s) of non-compliance	Reasons for non-compliance	Actions to improve performance
BOD	27/11/2024 15/04/2025	Unknown cause for elevated BOD. No process upsets; possible leachate. There are ongoing Sodium Hypochlorite dosing issues; dosing was turned off. Instances of elevated <i>E. coli</i> and pH are associated with low effluent chlorine concentration.	Sodium Hypochlorite system was offline due to replacement of valve in the injector line. The dosing system came back online after maintenance.
E. coli	22/07/2024 27/11/2024 11/02/2025		
	18/03/2025 15/04/2025 15/05/2025		
pH	15/04/2025		

No other parameters had exceedances in the reporting period.

## 29.5 Reuse annual reporting

No Recycled Water Scheme associated with this STP.

## 29.6 Ambient monitoring program

**Table 29-F: Program details**

<b>Program</b>	No requirement for ambient monitoring required under EPN.
<b>Status</b>	No requirement for ambient monitoring required under EPN.
<b>Update</b>	Ambient monitoring undertaken within the Bass Strait receiving environment during the reporting period as part of the Pardoe STP Ambient Monitoring Plan (AMP).
<b>Comments</b>	Ongoing biennial, seasonal (winter/summer) ambient monitoring as part of Pardoe STP AMP.

## 29.7 Groundwater monitoring

No groundwater monitoring bores are associated with this STP.

## 29.8 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 21 out of 108 in priority.

## 29.9 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 Pardoe and Ulverstone STPs. The total volume of sludge removed during this reporting period was 4023kL.

**Table 29-G: Liquid sludge transfers from Latrobe STP**

Receiving STP	Volume (kL)
Pardoe STP	2975
Ulverstone STP	1048
<b>TOTAL</b>	<b>4023</b>

## 29.10 Non-compliance with other permit requirements

**Table 29-H: EPN non-compliances**

EPN condition	Description of non-conformance	Future actions to be taken
ADWF Limits	EPN states 1000kl/d maximum ADWF. Exceeded the ADWF limit for the FY (refer Section 29.2 for inflow averages).	No specific short-term actions. Refer to section 29.12 for long-term actions.
29 Effluent quality limits for discharge to water	Discharge compliance with permit limits	See section 29.4 Performance analysis (discharge to environment).

## 29.11 Complaints and incident reporting

No complaints received during the reporting period.

**Table 29-I: Incident reporting**

Date	Category	Details	Mitigation actions
23/08/2024	Disinfection	Sodium Hypochlorite leak.	Confirmed no spill to environment. Tank was drained for repairs. EPA notified.
10/09/2024	Spill/Overflow	Malfunctioning level transmitter in reuse lagoon resulted in an overflow event.	TasWater ceased discharging to the reuse lagoon (enroute to Pardoe STP) and, in the interim, redirected flows to the Mersey River. Discharge to Mersey River ceased at 9:30am 12 September 2024. New interlock mechanism added to prevent future overflow events.

## 29.12 Any other relevant information

**Table 29-J: Projects or significant operational events that occurred in FY 2024-25**

Project or significant operational event	Progress
Mersey Central Coast Sewerage Regional Master Plan	The Mersey Central Coast Sewerage Regional Master Plan has been completed and outlines both short- and long-term considerations for the Latrobe STP. The proposed long-term strategy is for the Latrobe STP to be decommissioned and sewage treated at the Pardoe STP.

For further information on Latrobe STP please contact TasWater on 13 6992.

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