

Environmental Monitoring Data:- EPA License Number 549
Site Name: IXOM Operations Pty Ltd
Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505
The site has two active Licensed Discharge Points as detailed in the monitoring data tables below: **LDP2 and LDP 4**

LDP2: SMBS (Sodium MetaBisulphite Plant) Stack

Description: This is the small white (22m) high stack adjacent to the white building on site
Pollutants Discharged: This discharge point is licensed for discharge of Sulphur Dioxide (SO2)
Units Of Measure: Sulphur Dioxide is measured in mg/m3 (milligrams per cubic meter)
Monitoring Frequency: Sulphur Dioxide - Continuous Monitoring, licensed in 1hr block averages.

Discharge limit for this point is maximum concentration: Sulphur Dioxide 1hr average maximum is 560 mg/m3

The data in the below table shows the maximum, minimum and average hourly concentrations of **sulphur dioxide** measured on each 24hr day from midnight to midnight.

LDP4: Wastewater discharge to council drain adjacent to Tank 7

Description: This is a wastewater discharge point which discharges captured stormwater only into the council drain which runs through the centre of the site
This drain discharges into the Port Kembla Outer Harbour and also carries storm water run off from the local area.
Pollutants Discharged: This discharge point is licensed for discharge of treated wastewater containing a maximum concentration of Total Suspended Solids as well as finite pH range.
Units Of Measure: Total Suspended Solids are measured in milligrams of solids per litre of wastewater discharged and pH is measured in standard pH units
Monitoring Frequency: Total Suspended Solids - Continuous during discharge events
Monitoring Frequency: pH: - Continuous during discharge events
Discharge limits: pH - The pH is measured in a defined range and the limits are 6.5<pH<8.5. The license applies to **AVERAGE pH** recorded on **each discharge event**.
TSS: The maximum for TSS concentration is 40mg/L. The license applies to the **AVERAGE TSS** during each discharge event

Volume: - This discharge point also requires monitoring of total volume discharged each day and has a maximum allowed discharge volume of <200kL/day

The data in the table below shows Maximum, Minimum and average values per day for TSS and pH as well as daily volume discharged and total rainfall recorded.

| LDP2: SMBS Stack | | | | LDP4: Wastewater Discharge adjacent to T7 | | | | | | | | |
|--------------------------|-----------------|-----------------|---------------------|---|--------|--------|--------------------------|----------------|----------------|--------------------|-------------------|-------------------------|
| SO2 max allowed 560mg/m3 | | | | pH Max allowed 8.5 | | | TSS Max allowed 40mg/L | | | pH Min allowed 6.5 | | |
| | | | | | | | Max Daily Volume: 200 kL | | | | | |
| | SO2 Max (mg/m3) | SO2 Min (mg/m3) | SO2 Average (mg/m3) | | pH Max | pH Min | pH Average | TSS Max (mg/L) | TSS Min (mg/L) | TSS Average (mg/L) | Total Volume (kL) | Rainfall per month (mm) |
| Oct-24 | 27 | 1 | 5 | Oct-24 | 7.7 | 7.4 | 7.5 | 28 | 20 | 23 | 7 | 12 |
| Nov-24 | | | | Nov-24 | | | | | | | | |
| Dec-24 | | | | Dec-24 | | | | | | | | |
| Jan-25 | | | | Jan-25 | | | | | | | | |
| Feb-25 | | | | Feb-25 | | | | | | | | |
| Mar-25 | | | | Mar-25 | | | | | | | | |
| Apr-25 | | | | Apr-25 | | | | | | | | |
| May-25 | | | | May-25 | | | | | | | | |
| Jun-25 | | | | Jun-25 | | | | | | | | |
| Jul-25 | | | | Jul-25 | | | | | | | | |
| Aug-25 | | | | Aug-25 | | | | | | | | |
| Sep-25 | | | | Sep-25 | | | | | | | | |
| | 27 | 1 | 5 | | 7.7 | 7.4 | 7.5 | 28 | 20 | 23.3 | 7 | 12 |

Environmental Monitoring Data:- EPA License Number 549 **October 2024**
Site Name: IXOM Operations Pty Ltd
Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505
The site has two active Licensed Discharge Points as detailed in the monitoring data tables below: **LDP2 and LDP 4**

| Licensed Discharge Point 2: SMBS Stack | | | | |
|--|------------|---------------------|---------------------|---------------------|
| Limits: | | SO2 Max: 560mg/m3 | | |
| Day | Date | SO2 Maximum (mg/m3) | SO2 Minimum (mg/m3) | SO2 Average (mg/m3) |
| Tuesday | 1/10/2024 | 4 | 2 | 3 |
| Wednesday | 2/10/2024 | 4 | 2 | 3 |
| Thursday | 3/10/2024 | 4 | 2 | 3 |
| Friday | 4/10/2024 | 4 | 2 | 3 |
| Saturday | 5/10/2024 | 9 | 3 | 5 |
| Sunday | 6/10/2024 | 20 | 2 | 9 |
| Monday | 7/10/2024 | 22 | 3 | 13 |
| Tuesday | 8/10/2024 | 27 | 1 | 7 |
| Wednesday | 9/10/2024 | 3 | 1 | 2 |
| Thursday | 10/10/2024 | 4 | 2 | 3 |
| Friday | 11/10/2024 | 4 | 1 | 3 |
| Saturday | 12/10/2024 | 6 | 1 | 2 |
| Sunday | 13/10/2024 | | | |
| Monday | 14/10/2024 | | | |
| Tuesday | 15/10/2024 | | | |
| Wednesday | 16/10/2024 | | | |
| Thursday | 17/10/2024 | | | |
| Friday | 18/10/2024 | | | |
| Saturday | 19/10/2024 | | | |
| Sunday | 20/10/2024 | | | |
| Monday | 21/10/2024 | | | |
| Tuesday | 22/10/2024 | | | |
| Wednesday | 23/10/2024 | | | |
| Thursday | 24/10/2024 | | | |
| Friday | 25/10/2024 | | | |
| Saturday | 26/10/2024 | | | |
| Sunday | 27/10/2024 | | | |
| Monday | 28/10/2024 | | | |
| Tuesday | 29/10/2024 | | | |
| Wednesday | 30/10/2024 | | | |
| Thursday | 31/10/2024 | | | |
| Monthly Results | | 27 | 1 | 5 |

| Licensed Discharge Point 4: Wastewater discharge adjacent to T7 | | | | | | | | | |
|---|------------|------------|------------|------------|-----------------|----------------|--------------------|--------------------------------------|-------------------------------|
| Limits: | | pH Max 8.5 | pH Min 6.5 | | TSS Max: 40mg/L | | | 200kl per day Max | |
| Day | Date | pH Max | pH Min | pH Average | TSS Max (mg/L) | TSS min (mg/L) | TSS Average (mg/L) | Total Volume discharged per day (kL) | Rainfall per day - 24hrs (mm) |
| Tuesday | 1/10/2024 | | | | | | | | 0 |
| Wednesday | 2/10/2024 | 7.4 | 7.4 | 7.4 | 28 | 28 | 28 | 2.7 | 1 |
| Thursday | 3/10/2024 | 7.4 | 7.4 | 7.4 | 20 | 20 | 20 | 3.4 | 1 |
| Friday | 4/10/2024 | | | | | | | | 1 |
| Saturday | 5/10/2024 | | | | | | | | 0 |
| Sunday | 6/10/2024 | | | | | | | | 0 |
| Monday | 7/10/2024 | | | | | | | | 0 |
| Tuesday | 8/10/2024 | | | | | | | | 1 |
| Wednesday | 9/10/2024 | | | | | | | | 0 |
| Thursday | 10/10/2024 | | | | | | | | 0 |
| Friday | 11/10/2024 | 7.7 | 7.7 | 7.7 | 22 | 22 | 22 | 1.0 | 0 |
| Saturday | 12/10/2024 | | | | | | | | 0 |
| Sunday | 13/10/2024 | | | | | | | | |
| Monday | 14/10/2024 | | | | | | | | |
| Tuesday | 15/10/2024 | | | | | | | | |
| Wednesday | 16/10/2024 | | | | | | | | |
| Thursday | 17/10/2024 | | | | | | | | |
| Friday | 18/10/2024 | | | | | | | | |
| Saturday | 19/10/2024 | | | | | | | | |
| Sunday | 20/10/2024 | | | | | | | | |
| Monday | 21/10/2024 | | | | | | | | |
| Tuesday | 22/10/2024 | | | | | | | | |
| Wednesday | 23/10/2024 | | | | | | | | |
| Thursday | 24/10/2024 | | | | | | | | |
| Friday | 25/10/2024 | | | | | | | | |
| Saturday | 26/10/2024 | | | | | | | | |
| Sunday | 27/10/2024 | | | | | | | | |
| Monday | 28/10/2024 | | | | | | | | |
| Tuesday | 29/10/2024 | | | | | | | | |
| Wednesday | 30/10/2024 | | | | | | | | |
| Thursday | 31/10/2024 | | | | | | | | |
| Monthly Results | | 7.7 | 7.4 | 7.5 | 28 | 20 | 23 | 7 | 12 |