

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-23	6	0	1	Oct-23	8.0	6.9	7.2	5	4	5	47	35			
Nov-23	25	0	1	Nov-23	7.9	6.8	7.2	15	3	6	99	200			
Dec-23	5	0	0	Dec-23	7.8	6.8	7.2	15	9	12	71	240			
Jan-24	3	0	0	Jan-24	7.8	6.9	7.3	26	17	22	16	9			
Feb-24	6	0	2	Feb-24	8.3	6.8	7.0	30	15	24	122	33			
Mar-24	8	0	3	Mar-24	8.0	6.8	7.4	35	21	25	74	42			
Apr-24	6	1	3	Apr-24	8.1	7.1	7.6	18	11	13	41	55			
May-24	82	1	4	May-24	8.4	7.1	7.9	19	9	12	192	149			
Jun-24	11	1	3	Jun-24	7.7	6.9	7.3	17	10	13	177	108			
Jul-24	322	1	4	Jul-24	7.5	7.2	7.3	16	11	14	57	17			
Aug-24	101	2	9	Aug-24	7.3	7.2	7.2	23	15	19	22	3			
Sep-24	101	2	8	Sep-24	7.8	7.3	7.5	30	21	25	58	33			
	322	0	3		8.4	6.8	7.3	35	3	15.6	976	924			

Environmental Monitoring Data:- EPA License Number 549 **October 2023**
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)
Sunday	1/10/2023	6	1	3
Monday	2/10/2023	2	1	1
Tuesday	3/10/2023	3	1	2
Wednesday	4/10/2023	2	0	1
Thursday	5/10/2023	1	0	0
Friday	6/10/2023	1	0	0
Saturday	7/10/2023	1	0	0
Sunday	8/10/2023	1	0	0
Monday	9/10/2023	2	0	1
Tuesday	10/10/2023	2	0	1
Wednesday	11/10/2023	2	0	1
Thursday	12/10/2023	3	0	1
Friday	13/10/2023	2	0	1
Saturday	14/10/2023	4	1	2
Sunday	15/10/2023	3	1	2
Monday	16/10/2023	3	0	1
Tuesday	17/10/2023	1	0	0
Wednesday	18/10/2023	2	0	1
Thursday	19/10/2023	2	0	1
Friday	20/10/2023	3	0	2
Saturday	21/10/2023	3	0	2
Sunday	22/10/2023	3	0	2
Monday	23/10/2023	3	0	1
Tuesday	24/10/2023	3	0	2
Wednesday	25/10/2023	2	0	1
Thursday	26/10/2023	3	0	1
Friday	27/10/2023	3	0	1
Saturday	28/10/2023	2	0	1
Sunday	29/10/2023	3	0	2
Monday	30/10/2023	4	1	2
Tuesday	31/10/2023	3	0	2
Monthly Results		6	0	1

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)
Sunday	1/10/2023								0
Monday	2/10/2023								0
Tuesday	3/10/2023								0
Wednesday	4/10/2023								0
Thursday	5/10/2023	8.0	8.0	8.0	4	4	4	9.7	8
Friday	6/10/2023								0
Saturday	7/10/2023								0
Sunday	8/10/2023								0
Monday	9/10/2023								0
Tuesday	10/10/2023								0
Wednesday	11/10/2023								0
Thursday	12/10/2023								2
Friday	13/10/2023								0
Saturday	14/10/2023								0
Sunday	15/10/2023								0
Monday	16/10/2023								3
Tuesday	17/10/2023								6
Wednesday	18/10/2023	7.2	7.0	7.1	4	4	4	13.9	0
Thursday	19/10/2023								0
Friday	20/10/2023								0
Saturday	21/10/2023								0
Sunday	22/10/2023								0
Monday	23/10/2023								0
Tuesday	24/10/2023								0
Wednesday	25/10/2023								0
Thursday	26/10/2023								1
Friday	27/10/2023	6.9	6.9	6.9	5	5	5	10.3	15
Saturday	28/10/2023								0
Sunday	29/10/2023								0
Monday	30/10/2023	7.0	7.0	7.0	5	5	5	13.3	0
Tuesday	31/10/2023								0
Monthly Results		8.0	6.9	7.2	5	4	5	47	35

Environmental Monitoring Data:- EPA License Number 549 **November 2023**
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)
Wednesday	1/11/2023	3	0	1
Thursday	2/11/2023	3	0	1
Friday	3/11/2023	3	0	1
Saturday	4/11/2023	1	0	1
Sunday	5/11/2023	2	0	1
Monday	6/11/2023	5	0	1
Tuesday	7/11/2023	4	0	1
Wednesday	8/11/2023	4	0	1
Thursday	9/11/2023	4	0	1
Friday	10/11/2023	3	0	2
Saturday	11/11/2023	3	0	2
Sunday	12/11/2023	3	0	1
Monday	13/11/2023	3	0	1
Tuesday	14/11/2023	3	0	1
Wednesday	15/11/2023	2	1	1
Thursday	16/11/2023	3	0	1
Friday	17/11/2023	1	0	0
Saturday	18/11/2023	2	0	1
Sunday	19/11/2023	25	0	5
Monday	20/11/2023	4	0	2
Tuesday	21/11/2023	2	0	1
Wednesday	22/11/2023	3	0	1
Thursday	23/11/2023	2	0	1
Friday	24/11/2023	1	0	1
Saturday	25/11/2023	2	0	0
Sunday	26/11/2023	3	0	1
Monday	27/11/2023	2	0	1
Tuesday	28/11/2023	0	0	0
Wednesday	29/11/2023	1	0	0
Thursday	30/11/2023	1	0	0
Monthly Results		25	0	1

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)
Wednesday	1/11/2023								0
Thursday	2/11/2023								0
Friday	3/11/2023								1
Saturday	4/11/2023								71
Sunday	5/11/2023								21
Monday	6/11/2023	7.2	7.1	7.2	4	4	4	16.0	0
Tuesday	7/11/2023								0
Wednesday	8/11/2023								1
Thursday	9/11/2023	7.0	7.0	7.0	4	4	4	18.3	20
Friday	10/11/2023	7.3	7.2	7.3	4	4	4		0
Saturday	11/11/2023								0
Sunday	12/11/2023								0
Monday	13/11/2023	7.3	7.3	7.3	3	3	3		0
Tuesday	14/11/2023								0
Wednesday	15/11/2023								0
Thursday	16/11/2023	7.8	7.7	7.7	3	3	3	0.1	0
Friday	17/11/2023	6.9	6.9	6.9	3	3	3	1.5	0
Saturday	18/11/2023								0
Sunday	19/11/2023								0
Monday	20/11/2023								0
Tuesday	21/11/2023	7.0	7.0	7.0	3	3	3	1.4	1
Wednesday	22/11/2023	7.4	7.3	7.3	5	4	5	1.6	0
Thursday	23/11/2023	7.3	7.3	7.3	4	4	4	9.8	1
Friday	24/11/2023	7.0	7.0	7.0	5	5	5		2
Saturday	25/11/2023								2
Sunday	26/11/2023								3
Monday	27/11/2023	6.8	6.8	6.8	6	6	6	6.4	0
Tuesday	28/11/2023								14
Wednesday	29/11/2023	7.9	7.2	7.5	15	14	15	37.9	62
Thursday	30/11/2023	7.3	7.3	7.3	14	14	14	6.4	1
Monthly Results		7.9	6.8	7.2	15	3	6	99	200

Environmental Monitoring Data:- EPA License Number 549 **December 2023**
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)
Friday	1/12/2023	2	0	1
Saturday	2/12/2023	1	0	0
Sunday	3/12/2023	1	0	0
Monday	4/12/2023	2	0	0
Tuesday	5/12/2023	5	0	1
Wednesday	6/12/2023	3	0	1
Thursday	7/12/2023	0	0	0
Friday	8/12/2023	3	0	1
Saturday	9/12/2023	3	0	1
Sunday	10/12/2023	2	0	1
Monday	11/12/2023	3	0	1
Tuesday	12/12/2023	2	0	1
Wednesday	13/12/2023	2	0	1
Thursday	14/12/2023	5	0	2
Friday	15/12/2023	2	0	0
Saturday	16/12/2023	0	0	0
Sunday	17/12/2023	0	0	0
Monday	18/12/2023	1	0	0
Tuesday	19/12/2023	1	0	0
Wednesday	20/12/2023	0	0	0
Thursday	21/12/2023	0	0	0
Friday	22/12/2023	0	0	0
Saturday	23/12/2023	0	0	0
Sunday	24/12/2023	0	0	0
Monday	25/12/2023	0	0	0
Tuesday	26/12/2023	0	0	0
Wednesday	27/12/2023	0	0	0
Thursday	28/12/2023	0	0	0
Friday	29/12/2023	0	0	0
Saturday	30/12/2023	0	0	0
Sunday	31/12/2023	0	0	0
Monthly Results		5	0	0

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)
Friday	1/12/2023								4
Saturday	2/12/2023								20
Sunday	3/12/2023								1
Monday	4/12/2023	7.2	7.1	7.1	14	14	14	10.7	0
Tuesday	5/12/2023								0
Wednesday	6/12/2023								0
Thursday	7/12/2023								0
Friday	8/12/2023								0
Saturday	9/12/2023								0
Sunday	10/12/2023								0
Monday	11/12/2023								0
Tuesday	12/12/2023								0
Wednesday	13/12/2023								2
Thursday	14/12/2023								1
Friday	15/12/2023								0
Saturday	16/12/2023								0
Sunday	17/12/2023								1
Monday	18/12/2023								0
Tuesday	19/12/2023								30
Wednesday	20/12/2023	7.4	6.9	7.0	11	9	11	32.3	36
Thursday	21/12/2023	7.8	7.8	7.8	11	11	11	1.9	0
Friday	22/12/2023								0
Saturday	23/12/2023								0
Sunday	24/12/2023								58
Monday	25/12/2023								40
Tuesday	26/12/2023								0
Wednesday	27/12/2023	7.2	6.8	7.0	15	14	14	26.1	6
Thursday	28/12/2023								29
Friday	29/12/2023								7
Saturday	30/12/2023								4
Sunday	31/12/2023								1
Monthly Results		7.8	6.8	7.2	15	9	12	71	240

Environmental Monitoring Data:- EPA License Number 549 **January 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)
Monday	1/01/2024	0	0	0
Tuesday	2/01/2024	0	0	0
Wednesday	3/01/2024	0	0	0
Thursday	4/01/2024	0	0	0
Friday	5/01/2024	0	0	0
Saturday	6/01/2024	0	0	0
Sunday	7/01/2024	0	0	0
Monday	8/01/2024	0	0	0
Tuesday	9/01/2024	0	0	0
Wednesday	10/01/2024	2	0	1
Thursday	11/01/2024	2	0	1
Friday	12/01/2024	2	0	1
Saturday	13/01/2024	2	0	1
Sunday	14/01/2024	0	0	0
Monday	15/01/2024	2	0	0
Tuesday	16/01/2024	0	0	0
Wednesday	17/01/2024	1	0	0
Thursday	18/01/2024	2	0	0
Friday	19/01/2024	2	0	0
Saturday	20/01/2024	2	0	0
Sunday	21/01/2024	3	0	1
Monday	22/01/2024	1	0	0
Tuesday	23/01/2024	1	0	0
Wednesday	24/01/2024	2	0	1
Thursday	25/01/2024	1	0	0
Friday	26/01/2024	2	0	1
Saturday	27/01/2024	0	0	0
Sunday	28/01/2024	1	0	0
Monday	29/01/2024	2	0	1
Tuesday	30/01/2024	1	0	0
Wednesday	31/01/2024	0	0	0
Monthly Results		3	0	0

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)
Monday	1/01/2024								1
Tuesday	2/01/2024	7.1	7.1	7.1	20	20	20	12.2	0
Wednesday	3/01/2024								0
Thursday	4/01/2024								1
Friday	5/01/2024								0
Saturday	6/01/2024								0
Sunday	7/01/2024								0
Monday	8/01/2024	7.8	7.7	7.7	24	24	24	1.4	2
Tuesday	9/01/2024				24	24	24	1.2	0
Wednesday	10/01/2024								0
Thursday	11/01/2024								0
Friday	12/01/2024								0
Saturday	13/01/2024								0
Sunday	14/01/2024								0
Monday	15/01/2024	6.9	6.9	6.9	17	17	17	1.0	2
Tuesday	16/01/2024	7.5	7.0	7.2	22	20	21		3
Wednesday	17/01/2024	7.4	7.4	7.4	26	26	26	0.2	0
Thursday	18/01/2024								0
Friday	19/01/2024								0
Saturday	20/01/2024								0
Sunday	21/01/2024								0
Monday	22/01/2024								0
Tuesday	23/01/2024								0
Wednesday	24/01/2024								0
Thursday	25/01/2024								0
Friday	26/01/2024								0
Saturday	27/01/2024								0
Sunday	28/01/2024								0
Monday	29/01/2024								0
Tuesday	30/01/2024								0
Wednesday	31/01/2024								0
Monthly Results		7.8	6.9	7.3	26	17	22	16	9

Environmental Monitoring Data:- EPA License Number 549

February 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)
Thursday	1/02/2024	1	0	0
Friday	2/02/2024	2	0	0
Saturday	3/02/2024	1	0	0
Sunday	4/02/2024	2	0	1
Monday	5/02/2024	2	0	1
Tuesday	6/02/2024	4	0	1
Wednesday	7/02/2024	3	0	1
Thursday	8/02/2024	4	1	2
Friday	9/02/2024	4	1	3
Saturday	10/02/2024	4	2	3
Sunday	11/02/2024	4	1	3
Monday	12/02/2024	5	2	3
Tuesday	13/02/2024	6	3	3
Wednesday	14/02/2024	4	1	2
Thursday	15/02/2024	2	0	1
Friday	16/02/2024	5	0	3
Saturday	17/02/2024	5	2	3
Sunday	18/02/2024	4	1	3
Monday	19/02/2024	3	1	2
Tuesday	20/02/2024	4	1	2
Wednesday	21/02/2024	4	1	2
Thursday	22/02/2024	5	2	3
Friday	23/02/2024	6	2	3
Saturday	24/02/2024	2	1	1
Sunday	25/02/2024	4	1	2
Monday	26/02/2024	4	2	3
Tuesday	27/02/2024	3	2	2
Wednesday	28/02/2024	4	2	3
Thursday	29/02/2024	5	1	3
Monthly Results		6	0	2

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)
Thursday	1/02/2024	7.1	6.8	7.0	16	15	16	5.6	0
Friday	2/02/2024								0
Saturday	3/02/2024								0
Sunday	4/02/2024								0
Monday	5/02/2024								0
Tuesday	6/02/2024	8.3	6.8	7.2	25	21	23	30.1	8
Wednesday	7/02/2024								0
Thursday	8/02/2024								0
Friday	9/02/2024								0
Saturday	10/02/2024								0
Sunday	11/02/2024								0
Monday	12/02/2024								0
Tuesday	13/02/2024								0
Wednesday	14/02/2024								1
Thursday	15/02/2024	6.9	6.9	6.9	20	20	20	8.0	0
Friday	16/02/2024	6.9	6.8	6.9	22	20	21	5.9	2
Saturday	17/02/2024								0
Sunday	18/02/2024								0
Monday	19/02/2024								1
Tuesday	20/02/2024	7.8	6.9	7.3	30	25	28	13.6	4
Wednesday	21/02/2024	7.0	7.0	7.0	24	24	24	19.4	7
Thursday	22/02/2024								0
Friday	23/02/2024	7.1	7.0	7.1	29	28	29	22.3	9
Saturday	24/02/2024	6.8	6.8	6.8	30	29	30	9.4	1
Sunday	25/02/2024								0
Monday	26/02/2024	7.1	7.1	7.1	24	24	24	7.3	0
Tuesday	27/02/2024								0
Wednesday	28/02/2024								0
Thursday	29/02/2024								0
Monthly Results		8.3	6.8	7.0	30	15	24	122	33

Environmental Monitoring Data:- EPA License Number 549 **March 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)
Friday	1/03/2024	4	2	3
Saturday	2/03/2024	3	1	2
Sunday	3/03/2024	5	1	3
Monday	4/03/2024	3	0	2
Tuesday	5/03/2024	4	1	2
Wednesday	6/03/2024	4	2	3
Thursday	7/03/2024	4	2	3
Friday	8/03/2024	5	2	3
Saturday	9/03/2024	5	2	3
Sunday	10/03/2024	5	2	3
Monday	11/03/2024	4	2	3
Tuesday	12/03/2024	5	2	3
Wednesday	13/03/2024	8	2	3
Thursday	14/03/2024	5	2	3
Friday	15/03/2024	4	1	2
Saturday	16/03/2024	3	1	2
Sunday	17/03/2024	3	2	2
Monday	18/03/2024	5	1	3
Tuesday	19/03/2024	5	1	3
Wednesday	20/03/2024	4	1	2
Thursday	21/03/2024	3	0	1
Friday	22/03/2024	4	1	2
Saturday	23/03/2024	4	1	2
Sunday	24/03/2024	4	2	3
Monday	25/03/2024	6	1	3
Tuesday	26/03/2024	5	2	3
Wednesday	27/03/2024	4	3	3
Thursday	28/03/2024	4	2	3
Friday	29/03/2024	4	2	3
Saturday	30/03/2024	5	2	3
Sunday	31/03/2024	4	2	3
Monthly Results		8	0	3

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)
Friday	1/03/2024								0
Saturday	2/03/2024								0
Sunday	3/03/2024								0
Monday	4/03/2024	7.0	7.0	7.0	31	31	31	6.8	4
Tuesday	5/03/2024								0
Wednesday	6/03/2024								0
Thursday	7/03/2024								0
Friday	8/03/2024								0
Saturday	9/03/2024								0
Sunday	10/03/2024								0
Monday	11/03/2024								0
Tuesday	12/03/2024								0
Wednesday	13/03/2024								0
Thursday	14/03/2024								2
Friday	15/03/2024	7.2	6.8	7.1	35	26	28	8.6	0
Saturday	16/03/2024								2
Sunday	17/03/2024								13
Monday	18/03/2024	7.5	7.1	7.2	29	23	24	40.8	16
Tuesday	19/03/2024	7.6	7.6	7.6	22	22	22	16.1	4
Wednesday	20/03/2024								1
Thursday	21/03/2024								0
Friday	22/03/2024								0
Saturday	23/03/2024								0
Sunday	24/03/2024								0
Monday	25/03/2024	8.0	8.0	8.0	21	21	21	1.5	0
Tuesday	26/03/2024								0
Wednesday	27/03/2024								0
Thursday	28/03/2024								0
Friday	29/03/2024								0
Saturday	30/03/2024								0
Sunday	31/03/2024								0
Monthly Results		8.0	6.8	7.4	35	21	25	74	42

Environmental Monitoring Data:- EPA License Number 549

April 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)
Monday	1/04/2024	6	2	3
Tuesday	2/04/2024	6	2	4
Wednesday	3/04/2024	4	2	3
Thursday	4/04/2024	3	2	3
Friday	5/04/2024	3	2	3
Saturday	6/04/2024	5	3	3
Sunday	7/04/2024	4	2	3
Monday	8/04/2024	4	2	3
Tuesday	9/04/2024	3	2	2
Wednesday	10/04/2024	4	2	3
Thursday	11/04/2024	5	2	3
Friday	12/04/2024	6	3	4
Saturday	13/04/2024	6	3	4
Sunday	14/04/2024	6	2	4
Monday	15/04/2024	4	2	3
Tuesday	16/04/2024	4	2	3
Wednesday	17/04/2024	4	2	3
Thursday	18/04/2024	4	2	3
Friday	19/04/2024	3	1	2
Saturday	20/04/2024	2	2	2
Sunday	21/04/2024	4	1	2
Monday	22/04/2024	4	1	2
Tuesday	23/04/2024	4	1	3
Wednesday	24/04/2024	4	2	2
Thursday	25/04/2024	3	1	2
Friday	26/04/2024	3	1	2
Saturday	27/04/2024	4	2	3
Sunday	28/04/2024	4	1	3
Monday	29/04/2024	5	2	3
Tuesday	30/04/2024	2	1	2
Monthly Results		6	1	3

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)
Monday	1/04/2024								0
Tuesday	2/04/2024	7.1	7.1	7.1	18	18	18	1.4	0
Wednesday	3/04/2024								0
Thursday	4/04/2024								12
Friday	5/04/2024	8.0	7.3	7.5	12	11	11	26.7	37
Saturday	6/04/2024								0
Sunday	7/04/2024	7.3	7.1	7.2	11	11	11	1.5	0
Monday	8/04/2024								0
Tuesday	9/04/2024								2
Wednesday	10/04/2024	8.0	8.0	8.0	11	11	11	3.5	0
Thursday	11/04/2024								0
Friday	12/04/2024								0
Saturday	13/04/2024								0
Sunday	14/04/2024								0
Monday	15/04/2024								0
Tuesday	16/04/2024								0
Wednesday	17/04/2024								0
Thursday	18/04/2024								0
Friday	19/04/2024								0
Saturday	20/04/2024								1
Sunday	21/04/2024								0
Monday	22/04/2024								0
Tuesday	23/04/2024								0
Wednesday	24/04/2024								0
Thursday	25/04/2024								0
Friday	26/04/2024								0
Saturday	27/04/2024								0
Sunday	28/04/2024								0
Monday	29/04/2024								2
Tuesday	30/04/2024	8.1	8.1	8.1	13	13	13	7.8	1
Monthly Results		8.1	7.1	7.6	18	11	13	41	55

Environmental Monitoring Data:- EPA License Number 549 **May 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)
Wednesday	1/05/2024	2	1	2
Thursday	2/05/2024	3	1	2
Friday	3/05/2024	2	1	2
Saturday	4/05/2024	2	1	2
Sunday	5/05/2024	2	1	2
Monday	6/05/2024	3	2	2
Tuesday	7/05/2024	3	2	2
Wednesday	8/05/2024	3	2	2
Thursday	9/05/2024	3	2	2
Friday	10/05/2024	3	2	2
Saturday	11/05/2024	2	2	2
Sunday	12/05/2024	2	2	2
Monday	13/05/2024	3	2	2
Tuesday	14/05/2024	6	1	4
Wednesday	15/05/2024	5	3	4
Thursday	16/05/2024	5	4	4
Friday	17/05/2024	6	4	5
Saturday	18/05/2024	4	3	4
Sunday	19/05/2024	5	3	4
Monday	20/05/2024	5	3	4
Tuesday	21/05/2024	5	4	4
Wednesday	22/05/2024	5	4	4
Thursday	23/05/2024	7	4	5
Friday	24/05/2024	7	4	5
Saturday	25/05/2024	6	4	4
Sunday	26/05/2024	6	4	4
Monday	27/05/2024	7	4	5
Tuesday	28/05/2024	6	3	4
Wednesday	29/05/2024	8	4	5
Thursday	30/05/2024	82	4	11
Friday	31/05/2024	6	4	5
Monthly Results		82	1	4

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)
Wednesday	1/05/2024								0
Thursday	2/05/2024	7.8	7.8	7.8	17	17	17	2.4	0
Friday	3/05/2024	8.2	8.0	8.0	10	9	10	29.4	7
Saturday	4/05/2024								11
Sunday	5/05/2024								25
Monday	6/05/2024	8.2	8.0	8.1	10	10	10	60.2	10
Tuesday	7/05/2024	8.2	8.0	8.1	9	9	9	18.9	7
Wednesday	8/05/2024	8.1	7.8	7.9	11	9	10	23.5	21
Thursday	9/05/2024	8.0	7.9	7.9	11	11	11	20.1	6
Friday	10/05/2024	8.0	8.0	8.0	11	11	11	7.3	2
Saturday	11/05/2024								32
Sunday	12/05/2024								19
Monday	13/05/2024	8.4	7.9	8.2	12	9	11	26.4	8
Tuesday	14/05/2024								0
Wednesday	15/05/2024								0
Thursday	16/05/2024								0
Friday	17/05/2024								0
Saturday	18/05/2024								0
Sunday	19/05/2024								0
Monday	20/05/2024								0
Tuesday	21/05/2024								0
Wednesday	22/05/2024								0
Thursday	23/05/2024								0
Friday	24/05/2024								0
Saturday	25/05/2024								0
Sunday	26/05/2024								0
Monday	27/05/2024								0
Tuesday	28/05/2024								0
Wednesday	29/05/2024								0
Thursday	30/05/2024								0
Friday	31/05/2024	7.2	7.1	7.2	19	13	16	3.7	1
Monthly Results		8.4	7.1	7.9	19	9	12	192	149

Environmental Monitoring Data:- EPA License Number 549 **June 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)
Saturday	1/06/2024	4	3	4
Sunday	2/06/2024	4	3	4
Monday	3/06/2024	4	3	4
Tuesday	4/06/2024	5	4	4
Wednesday	5/06/2024	9	4	5
Thursday	6/06/2024	11	4	7
Friday	7/06/2024	5	4	4
Saturday	8/06/2024	5	4	4
Sunday	9/06/2024	5	3	4
Monday	10/06/2024	5	3	4
Tuesday	11/06/2024	4	3	4
Wednesday	12/06/2024	5	4	4
Thursday	13/06/2024	4	3	4
Friday	14/06/2024	5	4	4
Saturday	15/06/2024	4	4	4
Sunday	16/06/2024	4	3	4
Monday	17/06/2024	4	3	3
Tuesday	18/06/2024	3	2	3
Wednesday	19/06/2024	3	2	2
Thursday	20/06/2024	3	2	2
Friday	21/06/2024	3	2	2
Saturday	22/06/2024	3	2	2
Sunday	23/06/2024	3	2	2
Monday	24/06/2024	3	1	2
Tuesday	25/06/2024	3	1	2
Wednesday	26/06/2024	4	2	2
Thursday	27/06/2024	3	1	2
Friday	28/06/2024	3	2	2
Saturday	29/06/2024	3	2	2
Sunday	30/06/2024	3	1	2
Monthly Results		11	1	3

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)
Saturday	1/06/2024								4
Sunday	2/06/2024								0
Monday	3/06/2024	7.2	7.2	7.2	15	15	15	8.7	0
Tuesday	4/06/2024								0
Wednesday	5/06/2024	7.3	7.3	7.3	17	17	17	6.5	1
Thursday	6/06/2024	7.5	7.4	7.4	17	16	16	50.6	98
Friday	7/06/2024	7.7	7.2	7.4	11	10	10	75.6	0
Saturday	8/06/2024								0
Sunday	9/06/2024								0
Monday	10/06/2024								0
Tuesday	11/06/2024								0
Wednesday	12/06/2024								0
Thursday	13/06/2024	6.9	6.9	6.9	10	10	10	1.4	0
Friday	14/06/2024								1
Saturday	15/06/2024								1
Sunday	16/06/2024								0
Monday	17/06/2024	7.4	7.4	7.4	11	11	11	15.8	0
Tuesday	18/06/2024								0
Wednesday	19/06/2024								0
Thursday	20/06/2024								0
Friday	21/06/2024								0
Saturday	22/06/2024								3
Sunday	23/06/2024								0
Monday	24/06/2024	7.3	7.3	7.3	12	12	12	18.4	0
Tuesday	25/06/2024								0
Wednesday	26/06/2024								0
Thursday	27/06/2024								0
Friday	28/06/2024								0
Saturday	29/06/2024								0
Sunday	30/06/2024								0
Monthly Results		7.7	6.9	7.3	17	10	13	177	108

Environmental Monitoring Data:- EPA License Number 549 **July 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)
Monday	1/07/2024	2	1	2
Tuesday	2/07/2024	2	2	2
Wednesday	3/07/2024	2	1	2
Thursday	4/07/2024	2	1	2
Friday	5/07/2024	2	1	1
Saturday	6/07/2024	2	1	1
Sunday	7/07/2024	2	1	2
Monday	8/07/2024	2	1	2
Tuesday	9/07/2024	2	1	2
Wednesday	10/07/2024	2	1	1
Thursday	11/07/2024	322	1	24
Friday	12/07/2024	2	1	2
Saturday	13/07/2024	2	1	2
Sunday	14/07/2024	4	1	2
Monday	15/07/2024	3	2	2
Tuesday	16/07/2024	4	2	3
Wednesday	17/07/2024	3	2	3
Thursday	18/07/2024	4	2	2
Friday	19/07/2024	17	2	3
Saturday	20/07/2024	17	2	10
Sunday	21/07/2024	12	4	8
Monday	22/07/2024	5	3	4
Tuesday	23/07/2024	4	2	3
Wednesday	24/07/2024	4	2	3
Thursday	25/07/2024	4	2	3
Friday	26/07/2024	3	2	3
Saturday	27/07/2024	4	2	2
Sunday	28/07/2024	21	6	11
Monday	29/07/2024	14	2	5
Tuesday	30/07/2024	3	2	2
Wednesday	31/07/2024	3	2	3
Monthly Results		322	1	4

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)
Monday	1/07/2024	7.3	7.3	7.3	15	15	15	6.8	2
Tuesday	2/07/2024	7.2	7.2	7.2	14	14	14	12.8	2
Wednesday	3/07/2024	7.2	7.2	7.2	16	16	16	4.8	3
Thursday	4/07/2024	7.5	7.5	7.5	11	11	11	4.8	8
Friday	5/07/2024	7.2	7.2	7.2	12	12	12	13.1	0
Saturday	6/07/2024								0
Sunday	7/07/2024								0
Monday	8/07/2024	7.3	7.3	7.3	13	13	13	4.9	0
Tuesday	9/07/2024	7.2	7.2	7.2	13	13	13	1.2	0
Wednesday	10/07/2024								0
Thursday	11/07/2024								0
Friday	12/07/2024								0
Saturday	13/07/2024								0
Sunday	14/07/2024								0
Monday	15/07/2024								0
Tuesday	16/07/2024								0
Wednesday	17/07/2024								0
Thursday	18/07/2024								0
Friday	19/07/2024								0
Saturday	20/07/2024								0
Sunday	21/07/2024								0
Monday	22/07/2024								0
Tuesday	23/07/2024								0
Wednesday	24/07/2024								0
Thursday	25/07/2024								0
Friday	26/07/2024								0
Saturday	27/07/2024								2
Sunday	28/07/2024								0
Monday	29/07/2024	7.4	7.4	7.4	14	14	14	8.4	0
Tuesday	30/07/2024								0
Wednesday	31/07/2024								0
Monthly Results		7.5	7.2	7.3	16	11	14	57	17

Environmental Monitoring Data:- EPA License Number 549 **August 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)
Thursday	1/08/2024	3	2	3
Friday	2/08/2024	3	2	3
Saturday	3/08/2024	11	2	4
Sunday	4/08/2024	11	2	4
Monday	5/08/2024	25	2	6
Tuesday	6/08/2024	13	2	4
Wednesday	7/08/2024	4	2	3
Thursday	8/08/2024	4	2	3
Friday	9/08/2024	5	3	3
Saturday	10/08/2024	4	2	3
Sunday	11/08/2024	4	3	3
Monday	12/08/2024	4	2	3
Tuesday	13/08/2024	4	3	3
Wednesday	14/08/2024	3	3	3
Thursday	15/08/2024	10	3	4
Friday	16/08/2024	5	3	3
Saturday	17/08/2024	51	3	21
Sunday	18/08/2024	68	5	29
Monday	19/08/2024	38	4	11
Tuesday	20/08/2024	39	4	11
Wednesday	21/08/2024	6	3	4
Thursday	22/08/2024	13	3	5
Friday	23/08/2024	6	4	5
Saturday	24/08/2024	14	4	7
Sunday	25/08/2024	27	5	14
Monday	26/08/2024	30	4	13
Tuesday	27/08/2024	34	4	10
Wednesday	28/08/2024	58	5	19
Thursday	29/08/2024	76	4	14
Friday	30/08/2024	101	5	26
Saturday	31/08/2024	83	6	39
Monthly Results		101	2	9

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)
Thursday	1/08/2024								0
Friday	2/08/2024	7.3	7.3	7.3	23	23	23	2.2	0
Saturday	3/08/2024								0
Sunday	4/08/2024								0
Monday	5/08/2024								0
Tuesday	6/08/2024								0
Wednesday	7/08/2024								0
Thursday	8/08/2024								0
Friday	9/08/2024								0
Saturday	10/08/2024								0
Sunday	11/08/2024								0
Monday	12/08/2024								1
Tuesday	13/08/2024	7.2	7.2	7.2	16	15	16	11.8	1
Wednesday	14/08/2024	7.2	7.2	7.2	18	18	18	3.5	1
Thursday	15/08/2024	7.2	7.2	7.2	18	18	18	4.7	0
Friday	16/08/2024								0
Saturday	17/08/2024								0
Sunday	18/08/2024								0
Monday	19/08/2024								0
Tuesday	20/08/2024								0
Wednesday	21/08/2024								0
Thursday	22/08/2024								0
Friday	23/08/2024								0
Saturday	24/08/2024								0
Sunday	25/08/2024								0
Monday	26/08/2024								0
Tuesday	27/08/2024								0
Wednesday	28/08/2024								0
Thursday	29/08/2024								0
Friday	30/08/2024								0
Saturday	31/08/2024								0
Monthly Results		7.3	7.2	7.2	23	15	19	22	3

Environmental Monitoring Data:- EPA License Number 549

September 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)
Sunday	1/09/2024	91	5	42
Monday	2/09/2024	101	4	25
Tuesday	3/09/2024	6	3	4
Wednesday	4/09/2024	6	4	5
Thursday	5/09/2024	7	4	5
Friday	6/09/2024	9	5	7
Saturday	7/09/2024	20	5	12
Sunday	8/09/2024	29	7	15
Monday	9/09/2024	20	4	7
Tuesday	10/09/2024	10	4	6
Wednesday	11/09/2024	8	3	4
Thursday	12/09/2024	15	2	3
Friday	13/09/2024	45	2	11
Saturday	14/09/2024	18	2	5
Sunday	15/09/2024	30	12	21
Monday	16/09/2024	19	2	7
Tuesday	17/09/2024	4	2	3
Wednesday	18/09/2024	5	2	3
Thursday	19/09/2024	6	2	4
Friday	20/09/2024	5	2	4
Saturday	21/09/2024	9	3	5
Sunday	22/09/2024	17	3	7
Monday	23/09/2024	7	3	5
Tuesday	24/09/2024	5	3	4
Wednesday	25/09/2024	5	4	4
Thursday	26/09/2024	3	2	2
Friday	27/09/2024	3	2	2
Saturday	28/09/2024	4	2	3
Sunday	29/09/2024	6	2	4
Monday	30/09/2024	4	2	3
Monthly Results		101	2	8

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)
Sunday	1/09/2024								0
Monday	2/09/2024								0
Tuesday	3/09/2024								0
Wednesday	4/09/2024								0
Thursday	5/09/2024								0
Friday	6/09/2024								0
Saturday	7/09/2024								0
Sunday	8/09/2024								0
Monday	9/09/2024								0
Tuesday	10/09/2024								0
Wednesday	11/09/2024								0
Thursday	12/09/2024								1
Friday	13/09/2024	7.8	7.8	7.8	30	30	30	1.7	0
Saturday	14/09/2024								0
Sunday	15/09/2024								0
Monday	16/09/2024								0
Tuesday	17/09/2024								0
Wednesday	18/09/2024								0
Thursday	19/09/2024								0
Friday	20/09/2024								0
Saturday	21/09/2024								0
Sunday	22/09/2024								0
Monday	23/09/2024								0
Tuesday	24/09/2024								0
Wednesday	25/09/2024								1
Thursday	26/09/2024	7.8	7.5	7.7	27	22	23	33.8	25
Friday	27/09/2024	7.4	7.4	7.4	21	21	21	4.2	0
Saturday	28/09/2024	7.4	7.4	7.4	23	23	23	7.1	3
Sunday	29/09/2024								4
Monday	30/09/2024	7.3	7.3	7.3	26	26	26	11.2	0
Monthly Results		7.8	7.3	7.5	30	21	25	58	33