

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 three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

LDP1: SARP (Spent Acid Regeneration Plant) Stack

Description: This is the large (80m) high concrete stack.
Pollutants Discharged: This discharge point is licensed for discharge of Sulphur Dioxide (SO2) and Sulphur Trioxide (SO3)
Units Of Measure: Both Sulphur Dioxide and Sulphur Trioxide are measured in mg/m3 (milligrams per cubic meter)
Monitoring Frequency: Sulphur Dioxide - Continuous Monitoring, licensed in 1hr block averages.
Monitoring Frequency: Sulphur Trioxide - Testing conducted three times per licence period
Discharge limits for this point are maximum concentrations: **Sulphur Dioxide** 1hr average maximum is 2800 mg/m3
Sulphur Trioxide maximum is 50 mg/m3 (minimum 1hr block average)
 The data in the below table shows the maximum, minimum and average concentrations of **sulphur dioxide** measured on each 24hr day from midnight to midnight. For **Sulphur Trioxide** the data presented is the result of the actual stack test and is reported against the actual day the test was conducted. There is a delay of several weeks between the test date and results being received.
 The data in the below table is updated at two weekly intervals.

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 559 mg/m3
 The data in the below table shows the maximum, minimum and average concentrations of **sulphur dioxide** measured on each 24hr day from midnight to midnight.
 The data in the below table is updated at two weekly intervals.

LDP4: Wastewater discharge to council drain adjacent to Tank 7

Description: This is a wastewater discharge point which discharges treated wastewater 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 in dry weather and 150mg/L in wet weather (wet weather is defined as any 24hr period in which more than 10mm of rain falls). **The license applies to the AVERAGE TSS over each discharge event**
Volume: - This discharge point also requires monitoring of total volume discharged each day and has a maximum allowed discharge volume of <1000kL/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.
 This data is updated every two weeks.

Yearly Environmental Monitoring Data Summary (EPA reporting period 1 October 2021 to 30 September 2022)

Yearly Environmental Monitoring Data Summary (EPA reporting period 1 October 2021 to 30 September 2022)																	
LDP1: SARP Stack					LDP2: SMBS Stack				LDP4: Wastewater Discharge adjacent to T7								
SO2 max allowed		2800mg/m3			SO2 max allowed		559mg/m3		pH Max allowed		8.5		TSS Max allowed (Dry Weather)		40mg/L		
SO3 max allowed		50mg/m3							pH Min allowed		6.5		TSS Max Allowed (Wet Weather)		150mg/L		
Max Monthly Volume discharged allowed: 28-31000 kL/mnth (1000kL/day)																	
Month	SO2 Max (mg/m3)	SO2 Min (mg/m3)	SO2 Average (mg/m3)	SO3 result (mg/m3)	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-21	2206	0	1006		Oct-21	8	0	2	Oct-21	8.3	6.8	7.5	39	5	16	1223	89
Nov-21	2403	0	1250		Nov-21	8	0	3	Nov-21	8.3	6.8	7.6	26	4	11	1475	187
Dec-21	2243	0	170	19	Dec-21	61	0	2	Dec-21	8.3	6.8	7.9	20	6	9	1039	64
Jan-22	2545	0	329		Jan-22	37	1	3	Jan-22	8.3	6.8	8.0	30	3	12	1055	90
Feb-22	2369	0	744		Feb-22	24	1	7	Feb-22	8.3	6.8	7.4	46	6	17	2018	353
Mar-22	2192	0	271		Mar-22	43	6	17	Mar-22	8.3	6.8	7.7	38	4	13	1916	322
Apr-22					Apr-22	452	0	13	Apr-22	8.3	6.8	7.7	38	3	14	628	130
May-22					May-22	5	0	2	May-22	8.3	6.8	7.6	36	4	13	832	105
Jun-22					Jun-22	5	0	3	Jun-22	8.3	7.4	8.0	7	3	5	50	12
Jul-22					Jul-22	5	2	3	Jul-22	8.2	6.8	7.2	31	3	8	533	234
Aug-22					Aug-22	124	2	7	Aug-22	7.4	6.8	7.0	19	4	7	13	5
Sep-22					Sep-22	10	0	2	Sep-22	8.3	6.8	7.2	26	2	13	235	102
Full Reporting Year Results	2545	0	628	19	452	0	5		8.3	6.8	7.6	46	2	11	11019	1693	

Environmental Monitoring Data:- EPA License Number 549

October 2021

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Friday	1/10/2021	1665	1223	1468		
Saturday	2/10/2021	1714	1174	1452		
Sunday	3/10/2021	1665	1094	1386		
Monday	4/10/2021	1644	1086	1345		
Tuesday	5/10/2021	1486	931	1180		
Wednesday	6/10/2021	1713	1033	1323		
Thursday	7/10/2021	1543	0	73		
Friday	8/10/2021	0	0	0		
Saturday	9/10/2021	1598	0	616		
Sunday	10/10/2021	1543	1144	1335		
Monday	11/10/2021	1531	855	1106		
Tuesday	12/10/2021	1273	1084	1195		
Wednesday	13/10/2021	1810	0	1010		
Thursday	14/10/2021	1365	0	828		
Friday	15/10/2021	61	0	3		
Saturday	16/10/2021	997	187	637		
Sunday	17/10/2021	923	529	729		
Monday	18/10/2021	1531	733	1153		
Tuesday	19/10/2021	1510	526	1014		
Wednesday	20/10/2021	1927	616	1198		
Thursday	21/10/2021	1561	1064	1320		
Friday	22/10/2021	1499	1072	1304		
Saturday	23/10/2021	1727	1119	1392		
Sunday	24/10/2021	1443	948	1271		
Monday	25/10/2021	1288	847	1109		
Tuesday	26/10/2021	1216	827	1054		
Wednesday	27/10/2021	1110	0	371		
Thursday	28/10/2021	2206	0	257		
Friday	29/10/2021	1808	608	1239		
Saturday	30/10/2021	1581	1254	1414		
Sunday	31/10/2021	1868	965	1410		
Monthly Results		2206	0	1006		

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	1/10/2021	7	3	5
Saturday	2/10/2021	7	2	3
Sunday	3/10/2021	5	1	2
Monday	4/10/2021	5	0	2
Tuesday	5/10/2021	3	0	1
Wednesday	6/10/2021	4	0	1
Thursday	7/10/2021	7	0	2
Friday	8/10/2021	5	0	2
Saturday	9/10/2021	4	0	2
Sunday	10/10/2021	3	0	1
Monday	11/10/2021	1	0	0
Tuesday	12/10/2021	3	0	1
Wednesday	13/10/2021	3	0	1
Thursday	14/10/2021	8	2	3
Friday	15/10/2021	6	0	2
Saturday	16/10/2021	5	0	2
Sunday	17/10/2021	5	0	2
Monday	18/10/2021	5	0	2
Tuesday	19/10/2021	6	1	3
Wednesday	20/10/2021	4	0	2
Thursday	21/10/2021	5	1	3
Friday	22/10/2021	6	2	3
Saturday	23/10/2021	6	2	4
Sunday	24/10/2021	5	2	3
Monday	25/10/2021	5	1	3
Tuesday	26/10/2021	6	2	3
Wednesday	27/10/2021	7	3	4
Thursday	28/10/2021	8	3	5
Friday	29/10/2021	6	0	3
Saturday	30/10/2021	2	0	0
Sunday	31/10/2021	3	0	1
Monthly Results		8	0	2

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L		1000kl per day Max	Wet Weather >10mm/24hrs	
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	1/10/2021	7.9	7.0	7.4	19	13	16	57.8	0
Saturday	2/10/2021	7.4	6.9	7.2	21	17	19	46.0	25
Sunday	3/10/2021	7.5	7.0	7.2	26	20	24	36.5	2
Monday	4/10/2021	7.2	7.2	7.2	26	26	26	4.7	0
Tuesday	5/10/2021	8.3	8.2	8.2	15	12	13	57.1	0
Wednesday	6/10/2021	8.3	7.7	8.1	17	14	15	26.4	0
Thursday	7/10/2021	8.0	7.0	7.4	22	15	18	26.4	0
Friday	8/10/2021	8.3	7.8	8.1	24	22	23	22.0	0
Saturday	9/10/2021	8.3	8.0	8.2	22	21	21	29.6	1
Sunday	10/10/2021	8.2	6.8	7.5	22	15	18	39.8	0
Monday	11/10/2021	8.3	6.8	7.4	13	10	12	69.8	15
Tuesday	12/10/2021	8.1	7.1	7.7	19	13	17	57.3	1
Wednesday	13/10/2021	8.2	7.0	7.7	18	5	12	61.8	6
Thursday	14/10/2021	8.2	6.9	7.5	13	6	10	89.8	2
Friday	15/10/2021	8.1	7.2	7.9	17	8	12	40.4	18
Saturday	16/10/2021	8.2	7.8	8.1	20	18	19	29.6	2
Sunday	17/10/2021	7.9	7.1	7.6	19	12	15	33.8	0
Monday	18/10/2021	7.2	7.0	7.1	19	17	18	23.7	0
Tuesday	19/10/2021	7.6	6.8	7.2	29	19	23	42.6	0
Wednesday	20/10/2021	8.3	7.9	8.2	39	10	16	41.7	5
Thursday	21/10/2021	8.3	7.8	8.2	33	19	26	45.0	0
Friday	22/10/2021	8.2	7.4	7.8	22	11	14	42.6	2
Saturday	23/10/2021	7.5	6.9	7.2	12	10	11	28.9	10
Sunday	24/10/2021	7.6	7.0	7.3	13	11	11	50.7	0
Monday	25/10/2021	7.2	6.8	7.0	14	10	11	33.8	0
Tuesday	26/10/2021	7.6	6.9	7.2	11	11	11	30.9	0
Wednesday	27/10/2021	7.0	6.8	6.9	15	10	12	19.3	0
Thursday	28/10/2021	8.0	7.1	7.5	17	12	14	21.7	0
Friday	29/10/2021	8.2	7.3	7.8	14	11	13	37.1	0
Saturday	30/10/2021	7.1	6.9	7.0	17	13	15	43.5	0
Sunday	31/10/2021	7.1	6.8	6.9	36	14	18	33.1	0
Monthly Results		8.3	6.8	7.5	39	5	16	1223	89

Environmental Monitoring Data:- EPA License Number 549

November 2021

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The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Monday	1/11/2021	2156	1396	1727		
Tuesday	2/11/2021	2077	1211	1509		
Wednesday	3/11/2021	2174	1390	1845		
Thursday	4/11/2021	1989	0	1181		
Friday	5/11/2021	2107	0	1196		
Saturday	6/11/2021	1741	764	1171		
Sunday	7/11/2021	1652	1282	1480		
Monday	8/11/2021	1531	1166	1329		
Tuesday	9/11/2021	1373	1046	1245		
Wednesday	10/11/2021	1789	795	1197		
Thursday	11/11/2021	1991	0	988		
Friday	12/11/2021	1444	415	1118		
Saturday	13/11/2021	1366	814	1121		
Sunday	14/11/2021	1527	710	1098		
Monday	15/11/2021	1284	771	1009		
Tuesday	16/11/2021	1560	0	584		
Wednesday	17/11/2021	1615	205	1095		
Thursday	18/11/2021	1771	1101	1425		
Friday	19/11/2021	1788	1127	1434		
Saturday	20/11/2021	1226	991	1118		
Sunday	21/11/2021	1160	970	1054		
Monday	22/11/2021	1256	839	1019		
Tuesday	23/11/2021	1141	858	1028		
Wednesday	24/11/2021	1629	943	1178		
Thursday	25/11/2021	1977	798	1396		
Friday	26/11/2021	1914	1151	1454		
Saturday	27/11/2021	1509	1062	1240		
Sunday	28/11/2021	1692	1053	1358		
Monday	29/11/2021	1642	977	1231		
Tuesday	30/11/2021	2403	1196	1690		
Monthly Results		2403	0	1250		

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	1/11/2021	7	7	7
Tuesday	2/11/2021	4	0	2
Wednesday	3/11/2021	4	1	2
Thursday	4/11/2021	8	2	3
Friday	5/11/2021	6	1	2
Saturday	6/11/2021	5	1	3
Sunday	7/11/2021	7	3	4
Monday	8/11/2021	6	3	4
Tuesday	9/11/2021	6	2	4
Wednesday	10/11/2021	5	3	4
Thursday	11/11/2021	5	1	3
Friday	12/11/2021	6	2	3
Saturday	13/11/2021	4	2	3
Sunday	14/11/2021	5	0	3
Monday	15/11/2021	5	2	3
Tuesday	16/11/2021	5	1	3
Wednesday	17/11/2021	6	2	3
Thursday	18/11/2021	7	3	4
Friday	19/11/2021	6	1	4
Saturday	20/11/2021	4	1	2
Sunday	21/11/2021	3	1	2
Monday	22/11/2021	5	1	3
Tuesday	23/11/2021	6	2	3
Wednesday	24/11/2021	5	3	4
Thursday	25/11/2021	5	3	4
Friday	26/11/2021	3	2	2
Saturday	27/11/2021	3	1	2
Sunday	28/11/2021	4	1	2
Monday	29/11/2021	6	1	3
Tuesday	30/11/2021	5	3	4
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: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/11/2021	7.5	6.8	6.9	16	10	15	42.9	0
Tuesday	2/11/2021	7.1	6.8	6.9	8	5	6	43.6	0
Wednesday	3/11/2021	7.0	6.8	6.9	7	5	6	67.0	0
Thursday	4/11/2021	7.4	7.4	7.4	8	8	8	16.0	76
Friday	5/11/2021	8.3	6.8	7.5	16	7	11	128.4	18
Saturday	6/11/2021	8.3	7.9	8.2	19	13	14	45.9	0
Sunday	7/11/2021	8.3	8.1	8.2	18	12	14	42.7	4
Monday	8/11/2021	8.1	7.4	7.7	13	11	12	43.1	1
Tuesday	9/11/2021	7.9	7.0	7.5	15	13	14	28.9	0
Wednesday	10/11/2021	8.1	6.9	7.4	15	6	9	37.3	9
Thursday	11/11/2021	8.2	7.5	8.1	8	5	7	48.8	18
Friday	12/11/2021	8.3	6.9	7.8	8	4	5	98.8	8
Saturday	13/11/2021	8.1	7.4	7.8	14	5	10	32.1	3
Sunday	14/11/2021	8.3	7.4	7.9	25	16	19	43.4	2
Monday	15/11/2021	8.3	7.1	8.0	26	9	15	43.0	0
Tuesday	16/11/2021	7.9	6.8	7.0	10	6	8	26.6	0
Wednesday	17/11/2021	8.3	8.1	8.2	9	6	7	31.6	1
Thursday	18/11/2021	8.2	7.9	8.1	16	10	13	26.7	0
Friday	19/11/2021	8.1	7.3	7.8	16	10	12	37.4	1
Saturday	20/11/2021	7.9	7.0	7.5	10	7	8	51.9	6
Sunday	21/11/2021	7.6	6.9	7.2	17	10	14	113.1	16
Monday	22/11/2021	7.6	7.3	7.5	19	17	18	28.9	0
Tuesday	23/11/2021	8.1	7.6	7.8	18	15	16	36.6	0
Wednesday	24/11/2021	7.6	7.1	7.3	17	8	12	26.6	0
Thursday	25/11/2021	8.1	7.1	7.7	13	7	10	39.3	3
Friday	26/11/2021	8.2	7.0	7.7	7	5	6	66.1	19
Saturday	27/11/2021	8.2	7.1	7.8	8	5	6	57.3	2
Sunday	28/11/2021	7.7	7.2	7.5	18	7	13	43.0	0
Monday	29/11/2021	8.3	7.7	8.0	12	8	10	54.2	0
Tuesday	30/11/2021	8.1	6.8	7.5	12	8	10	74.1	0
Monthly Results		8.3	6.8	7.6	26	4	11	1475	187

Environmental Monitoring Data:- EPA License Number 549

December 2021

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

SO3 sample details:

2/12/21 - sampling completed

21/12/21 - results received

4/1/22 - results published

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Wednesday	1/12/2021	1511	871	1288		
Thursday	2/12/2021	1687	0	818	19	see above
Friday	3/12/2021	0	0	0		
Saturday	4/12/2021	1	0	1		
Sunday	5/12/2021	1	1	1		
Monday	6/12/2021	2113	1	296		
Tuesday	7/12/2021	1653	0	559		
Wednesday	8/12/2021	0	0	0		
Thursday	9/12/2021	0	0	0		
Friday	10/12/2021	0	0	0		
Saturday	11/12/2021	1787	0	827		
Sunday	12/12/2021	2047	0	602		
Monday	13/12/2021	0	0	0		
Tuesday	14/12/2021	0	0	0		
Wednesday	15/12/2021	0	0	0		
Thursday	16/12/2021	0	0	0		
Friday	17/12/2021	0	0	0		
Saturday	18/12/2021	0	0	0		
Sunday	19/12/2021	0	0	0		
Monday	20/12/2021	0	0	0		
Tuesday	21/12/2021	2	0	0		
Wednesday	22/12/2021	2243	0	780		
Thursday	23/12/2021	0	0	0		
Friday	24/12/2021	1	0	0		
Saturday	25/12/2021	177	0	61		
Sunday	26/12/2021	129	0	19		
Monday	27/12/2021	4	0	1		
Tuesday	28/12/2021	3	0	1		
Wednesday	29/12/2021	4	0	1		
Thursday	30/12/2021	7	0	2		
Friday	31/12/2021	3	2	3		
Monthly Results		2243	0	170	19	

Licensed Discharge Point 2: SMB5 Stack				
Limits:		SO2 Max: 560mg/m3		
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)
Wednesday	1/12/2021	6	3	4
Thursday	2/12/2021	9	3	5
Friday	3/12/2021	6	2	4
Saturday	4/12/2021	4	1	2
Sunday	5/12/2021	13	0	2
Monday	6/12/2021	4	1	2
Tuesday	7/12/2021	6	2	3
Wednesday	8/12/2021	3	1	2
Thursday	9/12/2021	6	1	3
Friday	10/12/2021	11	0	2
Saturday	11/12/2021	3	0	1
Sunday	12/12/2021	5	0	2
Monday	13/12/2021	4	0	2
Tuesday	14/12/2021	5	0	2
Wednesday	15/12/2021	5	0	2
Thursday	16/12/2021	4	1	2
Friday	17/12/2021	6	0	3
Saturday	18/12/2021	6	3	4
Sunday	19/12/2021	7	2	4
Monday	20/12/2021	61	2	7
Tuesday	21/12/2021	8	2	5
Wednesday	22/12/2021	5	1	3
Thursday	23/12/2021	5	1	3
Friday	24/12/2021	5	1	3
Saturday	25/12/2021	6	2	3
Sunday	26/12/2021	3	0	1
Monday	27/12/2021	0	0	0
Tuesday	28/12/2021	0	0	0
Wednesday	29/12/2021	0	0	0
Thursday	30/12/2021	0	0	0
Friday	31/12/2021	0	0	0
Monthly Results		61	0	2

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/12/2021	7.3	6.9	7.1	12	8	10	40.0	0
Thursday	2/12/2021	8.3	6.8	7.6	20	6	9	65.9	0
Friday	3/12/2021	8.3	7.6	8.1	11	6	8	127.4	0
Saturday	4/12/2021	8.3	7.3	8.0	10	7	8	111.5	0
Sunday	5/12/2021	8.3	8.2	8.3	9	7	7	98.8	0
Monday	6/12/2021	8.3	8.0	8.2	9	7	8	50.6	0
Tuesday	7/12/2021	8.3	8.0	8.2	7	7	7	12.7	2
Wednesday	8/12/2021	8.2	7.2	7.8	8	7	7	17.7	5
Thursday	9/12/2021	8.3	7.9	8.1	10	7	8	22.8	2
Friday	10/12/2021	8.3	7.3	7.9	8	7	7	112.3	26
Saturday	11/12/2021	8.2	8.0	8.1	8	7	8	18.5	0
Sunday	12/12/2021	8.2	7.3	7.8	8	7	7	17.8	0
Monday	13/12/2021	7.7	7.0	7.3	16	9	14	39.4	0
Tuesday	14/12/2021	7.7	7.7	7.7	12	12	12	4.9	0
Wednesday	15/12/2021	7.7	7.3	7.5	12	11	11	15.5	0
Thursday	16/12/2021	8.2	6.9	7.7	10	9	9	24.7	0
Friday	17/12/2021	8.1	8.1	8.1	9	8	9	10.0	0
Saturday	18/12/2021	8.2	8.2	8.2	8	8	8	5.0	2
Sunday	19/12/2021	8.3	8.1	8.2	8	8	8	9.5	2
Monday	20/12/2021	8.2	7.8	7.9	9	8	8	18.1	0
Tuesday	21/12/2021	7.4	7.4	7.4	9	9	9	5.0	0
Wednesday	22/12/2021	7.9	6.8	7.5	9	9	9	22.3	0
Thursday	23/12/2021	8.2	7.0	7.6	10	8	9	70.0	17
Friday	24/12/2021	8.0	7.8	7.9	9	8	9	14.3	0
Saturday	25/12/2021	7.9	7.9	7.9	9	9	9	4.9	0
Sunday	26/12/2021	8.1	7.1	7.6	9	9	9	14.8	8
Monday	27/12/2021	8.0	6.9	7.6	9	7	8	44.2	0
Tuesday	28/12/2021	8.0	8.0	8.0	7	7	7	5.0	0
Wednesday	29/12/2021	8.3	8.2	8.2	8	7	8	9.1	0
Thursday	30/12/2021	8.3	8.2	8.3	7	7	7	8.5	0
Friday	31/12/2021	8.3	6.9	7.9	18	6	9	18.1	0
Monthly Results		8.3	6.8	7.9	20	6	9	1039	64

Environmental Monitoring Data:- EPA License Number 549

January 2022

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Saturday	1/01/2022	0	0	0		
Sunday	2/01/2022	0	0	0		
Monday	3/01/2022	0	0	0		
Tuesday	4/01/2022	0	0	0		
Wednesday	5/01/2022	0	0	0		
Thursday	6/01/2022	0	0	0		
Friday	7/01/2022	0	0	0		
Saturday	8/01/2022	0	0	0		
Sunday	9/01/2022	94	0	4		
Monday	10/01/2022	0	0	0		
Tuesday	11/01/2022	1	1	1		
Wednesday	12/01/2022	2342	0	625		
Thursday	13/01/2022	0	0	0		
Friday	14/01/2022	0	0	0		
Saturday	15/01/2022	0	0	0		
Sunday	16/01/2022	0	0	0		
Monday	17/01/2022	2220	0	338		
Tuesday	18/01/2022	2190	0	938		
Wednesday	19/01/2022	2027	1	589		
Thursday	20/01/2022	2030	906	1453		
Friday	21/01/2022	2286	0	1636		
Saturday	22/01/2022	0	0	0		
Sunday	23/01/2022	0	0	0		
Monday	24/01/2022	0	0	0		
Tuesday	25/01/2022	0	0	0		
Wednesday	26/01/2022	1	0	0		
Thursday	27/01/2022	36	0	3		
Friday	28/01/2022	2210	1	1075		
Saturday	29/01/2022	1985	0	1360		
Sunday	30/01/2022	2179	697	1493		
Monday	31/01/2022	2545	0	680		
Monthly Results		2545	0	329		

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	1/01/2022	4	2	3
Sunday	2/01/2022	4	2	3
Monday	3/01/2022	4	2	3
Tuesday	4/01/2022	4	2	3
Wednesday	5/01/2022	4	3	3
Thursday	6/01/2022	4	3	3
Friday	7/01/2022	3	2	3
Saturday	8/01/2022	4	2	3
Sunday	9/01/2022	37	2	6
Monday	10/01/2022	4	2	3
Tuesday	11/01/2022	11	2	3
Wednesday	12/01/2022	3	1	2
Thursday	13/01/2022	3	2	2
Friday	14/01/2022	4	2	3
Saturday	15/01/2022	12	3	5
Sunday	16/01/2022	5	4	4
Monday	17/01/2022	5	3	4
Tuesday	18/01/2022	4	2	3
Wednesday	19/01/2022	9	2	3
Thursday	20/01/2022	4	2	3
Friday	21/01/2022	4	2	3
Saturday	22/01/2022	4	2	3
Sunday	23/01/2022	4	2	3
Monday	24/01/2022	4	2	3
Tuesday	25/01/2022	4	3	3
Wednesday	26/01/2022	4	2	3
Thursday	27/01/2022	17	2	4
Friday	28/01/2022	4	2	3
Saturday	29/01/2022	24	3	5
Sunday	30/01/2022	5	4	4
Monday	31/01/2022	7	4	5
Monthly Results		37	1	3

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L		1000kl per day Max	Wet Weather >10mm/24hrs	
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	1/01/2022	8.2	8.0	8.1	8	8	8	0.9	0
Sunday	2/01/2022	8.2	8.2	8.2	10	10	10	2.4	0
Monday	3/01/2022	8.2	7.8	8.0	23	9	16	3.2	0
Tuesday	4/01/2022	8.1	7.4	7.7	30	23	27	0.1	0
Wednesday	5/01/2022	8.3	7.5	8.0	9	6	8	66.9	13
Thursday	6/01/2022	8.2	8.1	8.2	10	6	9	24.1	1
Friday	7/01/2022	8.1	6.8	7.3	10	8	9	74.2	12
Saturday	8/01/2022	7.8	7.0	7.5	12	8	10	47.7	8
Sunday	9/01/2022	8.2	7.7	8.0	10	9	10	20.3	0
Monday	10/01/2022	8.3	7.8	8.1	9	8	9	10.2	0
Tuesday	11/01/2022	8.3	8.1	8.2	9	9	9	9.1	0
Wednesday	12/01/2022	8.2	7.0	7.7	12	9	10	67.2	15
Thursday	13/01/2022	8.2	7.8	8.0	12	10	11	56.5	13
Friday	14/01/2022	8.2	7.9	8.1	13	12	13	15.2	0
Saturday	15/01/2022	8.3	7.0	7.7	15	12	12	76.4	26
Sunday	16/01/2022	8.2	7.0	7.7	20	16	19	25.6	0
Monday	17/01/2022	8.3	8.3	8.3	19	16	18	19.6	0
Tuesday	18/01/2022	8.3	8.0	8.2	24	15	19	40.0	2
Wednesday	19/01/2022	8.2	7.7	8.1	23	8	14	71.3	0
Thursday	20/01/2022	8.3	6.9	7.8	17	8	12	92.3	0
Friday	21/01/2022	8.3	7.6	8.1	26	10	16	96.3	0
Saturday	22/01/2022	8.2	7.8	8.0	15	14	15	28.8	0
Sunday	23/01/2022	8.2	8.1	8.2	16	15	16	10.2	0
Monday	24/01/2022	8.3	8.1	8.2	17	15	16	18.2	0
Tuesday	25/01/2022	8.2	8.2	8.2	3	3	3	10.1	0
Wednesday	26/01/2022	8.3	7.4	7.9	3	3	3	5.8	0
Thursday	27/01/2022	8.3	8.0	8.2	27	3	9	3.2	0
Friday	28/01/2022	8.3	8.1	8.2	5	3	4	41.1	0
Saturday	29/01/2022	8.3	7.0	7.7	20	10	17	43.4	0
Sunday	30/01/2022	8.2	7.3	7.9	19	12	15	50.4	0
Monday	31/01/2022	8.1	7.5	7.9	14	11	12	24.6	0
Monthly Results		8.3	6.8	8.0	30	3	12	1055	90

Environmental Monitoring Data- EPA License Number 549 **February 2022**
 Site Name: IXOM Operations Pty Ltd
 Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505
 The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Tuesday	1/02/2022	1995	0	518		
Wednesday	2/02/2022	1896	1067	1409		
Thursday	3/02/2022	2095	1116	1704		
Friday	4/02/2022	2210	1123	1660		
Saturday	5/02/2022	2243	962	1631		
Sunday	6/02/2022	2073	968	1753		
Monday	7/02/2022	2369	1472	1894		
Tuesday	8/02/2022	2240	1198	1718		
Wednesday	9/02/2022	2330	0	809		
Thursday	10/02/2022	2196	0	865		
Friday	11/02/2022	2160	1027	1503		
Saturday	12/02/2022	1917	1226	1593		
Sunday	13/02/2022	2021	1412	1699		
Monday	14/02/2022	2191	1228	1596		
Tuesday	15/02/2022	2303	0	466		
Wednesday	16/02/2022	0	0	0		
Thursday	17/02/2022	0	0	0		
Friday	18/02/2022	0	0	0		
Saturday	19/02/2022	0	0	0		
Sunday	20/02/2022	0	0	0		
Monday	21/02/2022	0	0	0		
Tuesday	22/02/2022	0	0	0		
Wednesday	23/02/2022	0	0	0		
Thursday	24/02/2022	1	1	1		
Friday	25/02/2022	1	1	1		
Saturday	26/02/2022	1	1	1		
Sunday	27/02/2022	1	1	1		
Monday	28/02/2022	37	0	3		
Monthly Results		2369	0	744		

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	1/02/2022	6	4	5
Wednesday	2/02/2022	4	1	2
Thursday	3/02/2022	4	1	2
Friday	4/02/2022	4	1	3
Saturday	5/02/2022	5	3	4
Sunday	6/02/2022	5	4	4
Monday	7/02/2022	5	3	4
Tuesday	8/02/2022	7	4	6
Wednesday	9/02/2022	9	6	7
Thursday	10/02/2022	9	6	8
Friday	11/02/2022	8	6	7
Saturday	12/02/2022	8	6	6
Sunday	13/02/2022	8	6	7
Monday	14/02/2022	8	6	7
Tuesday	15/02/2022	10	7	8
Wednesday	16/02/2022	10	7	8
Thursday	17/02/2022	11	7	8
Friday	18/02/2022	9	7	8
Saturday	19/02/2022	7	6	7
Sunday	20/02/2022	9	7	8
Monday	21/02/2022	24	8	10
Tuesday	22/02/2022	14	6	7
Wednesday	23/02/2022	9	7	8
Thursday	24/02/2022	9	8	8
Friday	25/02/2022	8	7	8
Saturday	26/02/2022	8	6	7
Sunday	27/02/2022	9	6	7
Monday	28/02/2022	22	7	9
Monthly Results		24	1	7

Licensed Discharge Point 4: Wastewater discharge adjacent to T7										
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs	
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	1/02/2022	8.1	7.9	8.1	12	9	10	13.9	0	
Wednesday	2/02/2022	7.9	6.9	7.2	15	10	13	51.9	2	
Thursday	3/02/2022	7.7	6.8	7.1	14	12	13	61.5	0	
Friday	4/02/2022	7.2	6.8	7.0	17	12	15	78.5	3	
Saturday	5/02/2022	8.1	6.8	7.6	32	16	25	93.4	8	
Sunday	6/02/2022	8.3	7.1	7.8	35	12	25	127.5	35	
Monday	7/02/2022	7.7	6.8	7.1	16	11	13	103.0	9	
Tuesday	8/02/2022	8.1	7.0	7.5	14	12	13	39.3	0	
Wednesday	9/02/2022	7.2	7.1	7.1	16	14	15	38.6	0	
Thursday	10/02/2022	8.0	6.9	7.6	15	6	9	32.0	5	
Friday	11/02/2022	8.1	6.8	7.2	20	7	9	76.9	16	
Saturday	12/02/2022	8.2	7.4	7.9	28	14	17	74.3	8	
Sunday	13/02/2022	7.6	6.8	7.1	17	14	15	83.8	4	
Monday	14/02/2022	7.1	6.8	6.9	22	18	19	51.2	0	
Tuesday	15/02/2022	7.1	6.8	6.9	21	17	20	36.7	0	
Wednesday	16/02/2022	7.6	7.2	7.4	16	15	16	19.4	0	
Thursday	17/02/2022	7.8	7.2	7.4	17	15	16	19.5	4	
Friday	18/02/2022	8.3	7.5	8.0	24	17	20	32.5	14	
Saturday	19/02/2022	8.3	6.9	7.7	18	11	14	67.6	8	
Sunday	20/02/2022	7.9	7.2	7.7	18	13	16	28.6	0	
Monday	21/02/2022	8.1	7.5	7.8	29	13	18	19.9	0	
Tuesday	22/02/2022	8.2	6.9	7.7	27	26	27	69.6	53	
Wednesday	23/02/2022	8.0	6.9	7.2	30	26	27	222.7	50	
Thursday	24/02/2022	8.3	6.9	7.3	46	9	29	116.1	54	
Friday	25/02/2022	7.8	6.9	7.2	26	11	17	257.4	45	
Saturday	26/02/2022	7.9	7.0	7.3	23	6	10	113.4	22	
Sunday	27/02/2022	7.8	7.6	7.7	23	12	16	17.2	1	
Monday	28/02/2022	8.1	7.0	7.6	26	12	19	72.2	12	
Monthly Results		8.3	6.8	7.4	46	6	17	2018	353	

Environmental Monitoring Data:- EPA License Number 549

March 2022

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Tuesday	1/03/2022	0	0	0		
Wednesday	2/03/2022	0	0	0		
Thursday	3/03/2022	2109	0	774		
Friday	4/03/2022	2192	0	314		
Saturday	5/03/2022	1784	0	881		
Sunday	6/03/2022	1042	167	452		
Monday	7/03/2022	490	0	146		
Tuesday	8/03/2022	490	0	146		
Wednesday	9/03/2022	0	0	0		
Thursday	10/03/2022	8	0	0		
Friday	11/03/2022	SARP no longer operational				
Saturday	12/03/2022	SARP no longer operational				
Sunday	13/03/2022	SARP no longer operational				
Monday	14/03/2022	SARP no longer operational				
Tuesday	15/03/2022	SARP no longer operational				
Wednesday	16/03/2022	SARP no longer operational				
Thursday	17/03/2022	SARP no longer operational				
Friday	18/03/2022	SARP no longer operational				
Saturday	19/03/2022	SARP no longer operational				
Sunday	20/03/2022	SARP no longer operational				
Monday	21/03/2022	SARP no longer operational				
Tuesday	22/03/2022	SARP no longer operational				
Wednesday	23/03/2022	SARP no longer operational				
Thursday	24/03/2022	SARP no longer operational				
Friday	25/03/2022	SARP no longer operational				
Saturday	26/03/2022	SARP no longer operational				
Sunday	27/03/2022	SARP no longer operational				
Monday	28/03/2022	SARP no longer operational				
Tuesday	29/03/2022	SARP no longer operational				
Wednesday	30/03/2022	SARP no longer operational				
Thursday	31/03/2022	SARP no longer operational				
Monthly Results		2192	0	271		

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	1/03/2022	9	7	7
Wednesday	2/03/2022	11	6	7
Thursday	3/03/2022	10	7	8
Friday	4/03/2022	15	9	10
Saturday	5/03/2022	15	10	11
Sunday	6/03/2022	10	9	9
Monday	7/03/2022	25	10	17
Tuesday	8/03/2022	25	25	25
Wednesday	9/03/2022	25	9	18
Thursday	10/03/2022	10	7	9
Friday	11/03/2022	13	8	11
Saturday	12/03/2022	14	11	12
Sunday	13/03/2022	16	10	13
Monday	14/03/2022	18	14	16
Tuesday	15/03/2022	18	14	15
Wednesday	16/03/2022	17	14	15
Thursday	17/03/2022	21	14	18
Friday	18/03/2022	22	18	19
Saturday	19/03/2022	19	15	16
Sunday	20/03/2022	21	15	17
Monday	21/03/2022	20	16	17
Tuesday	22/03/2022	26	16	21
Wednesday	23/03/2022	26	17	22
Thursday	24/03/2022	21	17	19
Friday	25/03/2022	30	18	22
Saturday	26/03/2022	31	19	23
Sunday	27/03/2022	28	19	23
Monday	28/03/2022	34	24	27
Tuesday	29/03/2022	35	26	30
Wednesday	30/03/2022	43	28	34
Thursday	31/03/2022	30	21	26
Monthly Results		43	6	17

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/03/2022	7.9	6.8	7.5	31	4	12	97.8	22
Wednesday	2/03/2022	7.8	6.8	7.1	16	7	10	126.8	17
Thursday	3/03/2022	8.3	6.9	7.3	25	13	18	156.5	31
Friday	4/03/2022	8.3	7.1	8.1	36	8	17	66.6	2
Saturday	5/03/2022	8.2	8.0	8.1	11	10	10	42.3	0
Sunday	6/03/2022	8.2	7.0	7.6	38	10	18	130.0	39
Monday	7/03/2022	8.3	7.9	8.2	14	6	9	58.2	49
Tuesday	8/03/2022	8.2	6.9	7.7	9	5	7	270.6	26
Wednesday	9/03/2022	8.2	7.0	7.6	11	7	8	77.1	0
Thursday	10/03/2022	8.3	7.1	7.8	8	5	7	35.7	0
Friday	11/03/2022	8.3	7.4	7.9	5	5	5	19.6	0
Saturday	12/03/2022	8.3	8.0	8.1	7	6	6	17.7	0
Sunday	13/03/2022	8.3	7.9	8.2	19	7	13	28.7	2
Monday	14/03/2022	8.2	7.5	7.9	25	17	19	21.7	0
Tuesday	15/03/2022	8.3	7.6	8.0	25	17	19	21.7	3
Wednesday	16/03/2022	8.0	7.5	7.7	27	18	23	26.5	0
Thursday	17/03/2022	8.3	8.1	8.2	15	15	15	16.8	0
Friday	18/03/2022	7.8	7.8	7.8	16	16	16	4.8	1
Saturday	19/03/2022	8.3	7.0	7.5	17	17	17	4.9	0
Sunday	20/03/2022	8.1	8.1	8.1	20	12	15	106.6	0
Monday	21/03/2022	8.1	8.1	8.1	14	14	14	4.8	32
Tuesday	22/03/2022	8.1	7.4	7.9	13	13	13	1.5	0
Wednesday	23/03/2022	8.0	7.8	7.9	13	12	12	13.5	0
Thursday	24/03/2022	8.3	7.2	7.9	12	11	11	8.6	0
Friday	25/03/2022	8.3	7.1	7.4	12	9	11	27.1	2
Saturday	26/03/2022	8.1	6.8	7.4	14	7	11	101.4	30
Sunday	27/03/2022	8.3	7.2	7.7	19	6	9	171.0	23
Monday	28/03/2022	7.9	7.1	7.6	19	8	11	92.9	4
Tuesday	29/03/2022	8.1	6.9	7.3	30	8	13	40.4	21
Wednesday	30/03/2022	8.1	6.9	7.1	13	6	11	67.8	11
Thursday	31/03/2022	8.0	6.9	7.4	17	7	11	56.5	7
Monthly Results		8.3	6.8	7.7	38	4	13	1916	322

Environmental Monitoring Data:- EPA License Number 549

April 2022

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year.)
Friday	1/04/2022	SARP not operational				
Saturday	2/04/2022					
Sunday	3/04/2022					
Monday	4/04/2022					
Tuesday	5/04/2022					
Wednesday	6/04/2022					
Thursday	7/04/2022					
Friday	8/04/2022					
Saturday	9/04/2022					
Sunday	10/04/2022					
Monday	11/04/2022					
Tuesday	12/04/2022					
Wednesday	13/04/2022					
Thursday	14/04/2022					
Friday	15/04/2022					
Saturday	16/04/2022					
Sunday	17/04/2022					
Monday	18/04/2022					
Tuesday	19/04/2022					
Wednesday	20/04/2022					
Thursday	21/04/2022					
Friday	22/04/2022					
Saturday	23/04/2022					
Sunday	24/04/2022					
Monday	25/04/2022					
Tuesday	26/04/2022					
Wednesday	27/04/2022					
Thursday	28/04/2022					
Friday	29/04/2022					
Saturday	30/04/2022					
Monthly Results						

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	1/04/2022	29	22	24
Saturday	2/04/2022	452	22	51
Sunday	3/04/2022	239	22	37
Monday	4/04/2022	345	22	44
Tuesday	5/04/2022	292	22	41
Wednesday	6/04/2022	16	11	13
Thursday	7/04/2022	18	8	13
Friday	8/04/2022	18	8	14
Saturday	9/04/2022	20	13	17
Sunday	10/04/2022	23	15	20
Monday	11/04/2022	21	11	17
Tuesday	12/04/2022	9	1	4
Wednesday	13/04/2022	10	1	6
Thursday	14/04/2022	14	9	12
Friday	15/04/2022	16	5	9
Saturday	16/04/2022	20	4	12
Sunday	17/04/2022	14	4	10
Monday	18/04/2022	26	7	15
Tuesday	19/04/2022	16	3	12
Wednesday	20/04/2022	3	0	2
Thursday	21/04/2022	1	0	0
Friday	22/04/2022	1	0	1
Saturday	23/04/2022	2	0	1
Sunday	24/04/2022	4	1	2
Monday	25/04/2022	4	2	3
Tuesday	26/04/2022	4	1	3
Wednesday	27/04/2022	6	3	5
Thursday	28/04/2022	6	3	5
Friday	29/04/2022	9	3	5
Saturday	30/04/2022	6	0	2
Monthly Results		452	0	13

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/04/2022	8.0	6.9	7.1	38	18	32	14.1	2
Saturday	2/04/2022	8.0	7.9	8.0	15	13	14	9.8	0
Sunday	3/04/2022								0
Monday	4/04/2022	8.3	8.2	8.2	30	18	25	13.1	0
Tuesday	5/04/2022	8.3	8.2	8.2	16	13	15	8.2	0
Wednesday	6/04/2022	7.9	7.3	7.6	14	9	11	65.8	15
Thursday	7/04/2022	7.7	6.8	7.1	28	10	15	110.7	74
Friday	8/04/2022	8.3	7.4	7.9	22	7	16	50.9	4
Saturday	9/04/2022	8.2	7.1	7.5	27	8	13	33.5	5
Sunday	10/04/2022	7.2	7.2	7.2	10	6	8	14.7	1
Monday	11/04/2022	7.9	7.1	7.5	28	5	17	5.6	0
Tuesday	12/04/2022								0
Wednesday	13/04/2022	8.1	6.8	7.6	12	3	8	23.3	4
Thursday	14/04/2022	8.1	7.0	7.3	10	7	8	40.4	0
Friday	15/04/2022	8.2	7.6	7.9	16	13	15	21.3	0
Saturday	16/04/2022	8.2	8.1	8.1	26	21	24	7.1	0
Sunday	17/04/2022	8.3	7.9	8.1	13	10	12	9.6	0
Monday	18/04/2022	8.0	8.0	8.0	8	8	8	4.8	0
Tuesday	19/04/2022	8.3	8.2	8.2	6	5	6	9.8	2
Wednesday	20/04/2022	8.1	8.1	8.1	17	17	17	4.9	0
Thursday	21/04/2022	7.9	6.8	7.5	6	4	5	10.4	0
Friday	22/04/2022								4
Saturday	23/04/2022	7.8	6.8	7.1	29	6	16	57.0	11
Sunday	24/04/2022								0
Monday	25/04/2022	7.6	6.8	7.1	22	5	13	46.8	8
Tuesday	26/04/2022	8.0	7.4	7.7	7	6	7	21.3	0
Wednesday	27/04/2022	8.0	6.8	7.3	21	7	15	22.1	0
Thursday	28/04/2022	7.0	6.8	6.9	22	17	20	10.0	0
Friday	29/04/2022								0
Saturday	30/04/2022	8.1	8.1	8.1	14	14	14	13.4	0
Monthly Results		8.3	6.8	7.7	38	3	14	628	130

Environmental Monitoring Data- EPA License Number 549

May 2022

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Sunday	1/05/2022	SARP not operational				
Monday	2/05/2022					
Tuesday	3/05/2022					
Wednesday	4/05/2022					
Thursday	5/05/2022					
Friday	6/05/2022					
Saturday	7/05/2022					
Sunday	8/05/2022					
Monday	9/05/2022					
Tuesday	10/05/2022					
Wednesday	11/05/2022					
Thursday	12/05/2022					
Friday	13/05/2022					
Saturday	14/05/2022					
Sunday	15/05/2022					
Monday	16/05/2022					
Tuesday	17/05/2022					
Wednesday	18/05/2022					
Thursday	19/05/2022					
Friday	20/05/2022					
Saturday	21/05/2022					
Sunday	22/05/2022					
Monday	23/05/2022					
Tuesday	24/05/2022					
Wednesday	25/05/2022					
Thursday	26/05/2022					
Friday	27/05/2022					
Saturday	28/05/2022					
Sunday	29/05/2022					
Monday	30/05/2022					
Tuesday	31/05/2022					
Monthly Results						

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	1/05/2022	0	0	0
Monday	2/05/2022	3	0	1
Tuesday	3/05/2022	3	0	2
Wednesday	4/05/2022	4	0	2
Thursday	5/05/2022	2	0	1
Friday	6/05/2022	0	0	0
Saturday	7/05/2022	0	0	0
Sunday	8/05/2022	0	0	0
Monday	9/05/2022	3	0	1
Tuesday	10/05/2022	4	2	3
Wednesday	11/05/2022	3	2	3
Thursday	12/05/2022	4	3	3
Friday	13/05/2022	4	3	3
Saturday	14/05/2022	5	2	3
Sunday	15/05/2022	4	2	3
Monday	16/05/2022	4	1	2
Tuesday	17/05/2022	3	1	2
Wednesday	18/05/2022	2	1	1
Thursday	19/05/2022	2	1	1
Friday	20/05/2022	2	1	2
Saturday	21/05/2022	2	2	2
Sunday	22/05/2022	3	1	2
Monday	23/05/2022	2	1	2
Tuesday	24/05/2022	3	1	2
Wednesday	25/05/2022	2	1	2
Thursday	26/05/2022	3	1	2
Friday	27/05/2022	4	1	2
Saturday	28/05/2022	3	1	2
Sunday	29/05/2022	2	1	1
Monday	30/05/2022	1	1	1
Tuesday	31/05/2022	1	1	1
Monthly Results		5	0	2

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/05/2022	8.3	7.9	8.1	16	7	11	40.9	0
Monday	2/05/2022								0
Tuesday	3/05/2022	8.3	8.3	8.3	25	23	24	9.8	0
Wednesday	4/05/2022								0
Thursday	5/05/2022	8.1	8.1	8.1	31	21	26	9.8	1
Friday	6/05/2022	8.2	8.2	8.2	23	23	23	4.9	0
Saturday	7/05/2022								0
Sunday	8/05/2022	8.1	8.1	8.1	13	13	13	2.9	0
Monday	9/05/2022	8.3	7.0	7.8	35	16	22	13.3	2
Tuesday	10/05/2022	8.3	7.0	7.8	31	10	18	128.9	24
Wednesday	11/05/2022	7.8	6.8	7.2	16	9	13	41.7	13
Thursday	12/05/2022	7.7	6.8	7.1	19	9	15	95.1	10
Friday	13/05/2022	8.1	6.9	7.4	14	7	10	29.9	0
Saturday	14/05/2022	6.8	6.8	6.8	10	10	10	4.9	0
Sunday	15/05/2022	6.8	6.8	6.8	8	8	8	5.1	0
Monday	16/05/2022	7.5	7.5	7.5	12	12	12	4.2	0
Tuesday	17/05/2022	7.0	7.0	7.0	16	16	16	5.0	0
Wednesday	18/05/2022								0
Thursday	19/05/2022								0
Friday	20/05/2022								1
Saturday	21/05/2022	7.4	6.9	7.1	36	7	19	155.6	31
Sunday	22/05/2022	7.9	6.9	7.3	10	7	8	118.3	12
Monday	23/05/2022	8.1	7.2	7.8	8	6	7	73.3	3
Tuesday	24/05/2022	8.3	7.6	7.9	11	8	9	21.2	4
Wednesday	25/05/2022	7.8	7.2	7.5	9	5	7	27.0	2
Thursday	26/05/2022	8.2	7.9	8.0	4	4	4	23.0	0
Friday	27/05/2022								0
Saturday	28/05/2022								0
Sunday	29/05/2022								0
Monday	30/05/2022	7.2	7.1	7.2	8	6	7	4.4	2
Tuesday	31/05/2022	8.2	7.8	8.0	9	5	7	13.2	0
Monthly Results		8.3	6.8	7.6	36	4	13	832	105

Environmental Monitoring Data- EPA License Number 549

June 2022

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

No discharges June 2nd and 5th

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Wednesday	1/06/2022	SARP not operational				
Thursday	2/06/2022					
Friday	3/06/2022					
Saturday	4/06/2022					
Sunday	5/06/2022					
Monday	6/06/2022					
Tuesday	7/06/2022					
Wednesday	8/06/2022					
Thursday	9/06/2022					
Friday	10/06/2022					
Saturday	11/06/2022					
Sunday	12/06/2022					
Monday	13/06/2022					
Tuesday	14/06/2022					
Wednesday	15/06/2022					
Thursday	16/06/2022					
Friday	17/06/2022					
Saturday	18/06/2022					
Sunday	19/06/2022					
Monday	20/06/2022					
Tuesday	21/06/2022					
Wednesday	22/06/2022					
Thursday	23/06/2022					
Friday	24/06/2022					
Saturday	25/06/2022					
Sunday	26/06/2022					
Monday	27/06/2022					
Tuesday	28/06/2022					
Wednesday	29/06/2022					
Thursday	30/06/2022					
Monthly Results						

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	1/06/2022	1	0	1
Thursday	2/06/2022	2	0	1
Friday	3/06/2022	4	1	2
Saturday	4/06/2022	3	2	2
Sunday	5/06/2022	3	2	2
Monday	6/06/2022	2	1	2
Tuesday	7/06/2022	2	1	2
Wednesday	8/06/2022	4	1	3
Thursday	9/06/2022	4	3	4
Friday	10/06/2022	4	3	4
Saturday	11/06/2022	4	3	4
Sunday	12/06/2022	5	3	4
Monday	13/06/2022	4	3	4
Tuesday	14/06/2022	5	3	4
Wednesday	15/06/2022	5	3	4
Thursday	16/06/2022	5	3	4
Friday	17/06/2022	4	3	4
Saturday	18/06/2022	4	3	4
Sunday	19/06/2022	4	3	4
Monday	20/06/2022	4	3	4
Tuesday	21/06/2022	4	3	4
Wednesday	22/06/2022	4	3	3
Thursday	23/06/2022	5	3	3
Friday	24/06/2022	4	3	4
Saturday	25/06/2022	5	3	4
Sunday	26/06/2022	5	3	4
Monday	27/06/2022	4	3	3
Tuesday	28/06/2022	4	3	3
Wednesday	29/06/2022	4	3	4
Thursday	30/06/2022	4	3	4
Monthly Results		5	0	3

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/06/2022	8.2	8.2	8.2	7	7	7	4.9	0
Thursday	2/06/2022								0
Friday	3/06/2022	8.3	8.1	8.2	5	5	5	9.8	0
Saturday	4/06/2022								0
Sunday	5/06/2022								0
Monday	6/06/2022								0
Tuesday	7/06/2022								0
Wednesday	8/06/2022	7.8	7.8	7.8	5	5	5	4.9	0
Thursday	9/06/2022								0
Friday	10/06/2022								0
Saturday	11/06/2022								0
Sunday	12/06/2022								0
Monday	13/06/2022								0
Tuesday	14/06/2022								0
Wednesday	15/06/2022								0
Thursday	16/06/2022	8.1	8.1	8.1	3	3	3	4.9	0
Friday	17/06/2022								0
Saturday	18/06/2022								1
Sunday	19/06/2022								3
Monday	20/06/2022	8.2	7.4	7.9	4	3	4	26.1	8
Tuesday	21/06/2022								3
Wednesday	22/06/2022								0
Thursday	23/06/2022								0
Friday	24/06/2022								0
Saturday	25/06/2022								0
Sunday	26/06/2022								0
Monday	27/06/2022								0
Tuesday	28/06/2022								0
Wednesday	29/06/2022								0
Thursday	30/06/2022								0
Monthly Results		8.3	7.4	8.0	7	3	5	50	12

Environmental Monitoring Data:- EPA License Number 549

July 2022

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year.)
Friday	1/07/2022	SARP not operational				
Saturday	2/07/2022					
Sunday	3/07/2022					
Monday	4/07/2022					
Tuesday	5/07/2022					
Wednesday	6/07/2022					
Thursday	7/07/2022					
Friday	8/07/2022					
Saturday	9/07/2022					
Sunday	10/07/2022					
Monday	11/07/2022					
Tuesday	12/07/2022					
Wednesday	13/07/2022					
Thursday	14/07/2022					
Friday	15/07/2022					
Saturday	16/07/2022					
Sunday	17/07/2022					
Monday	18/07/2022					
Tuesday	19/07/2022					
Wednesday	20/07/2022					
Thursday	21/07/2022					
Friday	22/07/2022					
Saturday	23/07/2022					
Sunday	24/07/2022					
Monday	25/07/2022					
Tuesday	26/07/2022					
Wednesday	27/07/2022					
Thursday	28/07/2022					
Friday	29/07/2022					
Saturday	30/07/2022					
Sunday	31/07/2022					
Monthly Results						

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	1/07/2022	4	3	3	
Saturday	2/07/2022	4	3	4	
Sunday	3/07/2022	4	4	4	
Monday	4/07/2022	4	3	4	
Tuesday	5/07/2022	4	3	3	
Wednesday	6/07/2022	4	3	4	
Thursday	7/07/2022	4	2	3	
Friday	8/07/2022	3	2	3	
Saturday	9/07/2022	3	2	3	
Sunday	10/07/2022	3	2	3	
Monday	11/07/2022	3	3	3	
Tuesday	12/07/2022	4	3	3	
Wednesday	13/07/2022	3	2	3	
Thursday	14/07/2022	3	2	3	
Friday	15/07/2022	3	2	3	
Saturday	16/07/2022	3	2	3	
Sunday	17/07/2022	5	2	3	
Monday	18/07/2022	3	2	3	
Tuesday	19/07/2022	3	2	3	
Wednesday	20/07/2022	3	3	3	
Thursday	21/07/2022	4	3	3	
Friday	22/07/2022	3	3	3	
Saturday	23/07/2022	4	3	3	
Sunday	24/07/2022	4	2	3	
Monday	25/07/2022	4	2	3	
Tuesday	26/07/2022	4	2	3	
Wednesday	27/07/2022	3	2	2	
Thursday	28/07/2022	4	2	3	
Friday	29/07/2022	2	2	2	
Saturday	30/07/2022	3	2	2	
Sunday	31/07/2022	3	2	2	
Monthly Results		5	2	3	

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/07/2022								6
Saturday	2/07/2022								31
Sunday	3/07/2022	7.0	6.9	6.9	5	3	4	88.4	100
Monday	4/07/2022	7.8	6.8	7.1	7	3	4	276.1	62
Tuesday	5/07/2022	7.6	6.8	7.1	7	4	6	46.8	4
Wednesday	6/07/2022	7.7	6.8	7.3	13	10	12	4.2	1
Thursday	7/07/2022	7.6	7.0	7.3	31	17	25	9.7	0
Friday	8/07/2022	7.3	7.3	7.3	17	17	17	4.3	0
Saturday	9/07/2022								0
Sunday	10/07/2022								14
Monday	11/07/2022	8.2	7.1	7.7	9	3	5	53.3	0
Tuesday	12/07/2022	7.7	7.7	7.7	3	3	3	5.0	0
Wednesday	13/07/2022								0
Thursday	14/07/2022								0
Friday	15/07/2022								0
Saturday	16/07/2022								0
Sunday	17/07/2022								0
Monday	18/07/2022								0
Tuesday	19/07/2022								4
Wednesday	20/07/2022	7.2	7.2	7.2	3	3	3	13.8	3
Thursday	21/07/2022	7.4	7.2	7.3	3	3	3	13.6	3
Friday	22/07/2022	7.4	7.0	7.2	4	4	4	9.0	4
Saturday	23/07/2022								1
Sunday	24/07/2022								0
Monday	25/07/2022	6.9	6.9	6.9	4	4	4	1.2	0
Tuesday	26/07/2022	7.1	6.9	7.0	12	9	11	7.2	1
Wednesday	27/07/2022								0
Thursday	28/07/2022								0
Friday	29/07/2022								0
Saturday	30/07/2022								0
Sunday	31/07/2022								0
Monthly Results		8.2	6.8	7.2	31	3	8	533	234

Environmental Monitoring Data:- EPA License Number 549

August 2022

Site Name: IXOM Operations Pty Ltd

Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505

The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Monday	1/08/2022	SARP not operational				
Tuesday	2/08/2022					
Wednesday	3/08/2022					
Thursday	4/08/2022					
Friday	5/08/2022					
Saturday	6/08/2022					
Sunday	7/08/2022					
Monday	8/08/2022					
Tuesday	9/08/2022					
Wednesday	10/08/2022					
Thursday	11/08/2022					
Friday	12/08/2022					
Saturday	13/08/2022					
Sunday	14/08/2022					
Monday	15/08/2022					
Tuesday	16/08/2022					
Wednesday	17/08/2022					
Thursday	18/08/2022					
Friday	19/08/2022					
Saturday	20/08/2022					
Sunday	21/08/2022					
Monday	22/08/2022					
Tuesday	23/08/2022					
Wednesday	24/08/2022					
Thursday	25/08/2022					
Friday	26/08/2022					
Saturday	27/08/2022					
Sunday	28/08/2022					
Monday	29/08/2022					
Tuesday	30/08/2022					
Wednesday	31/08/2022					
Monthly Results						

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	1/08/2022	4	2	3
Tuesday	2/08/2022	4	2	3
Wednesday	3/08/2022	5	2	3
Thursday	4/08/2022	4	4	4
Friday	5/08/2022	4	4	4
Saturday	6/08/2022	5	2	3
Sunday	7/08/2022	39	2	13
Monday	8/08/2022	124	38	87
Tuesday	9/08/2022	118	2	31
Wednesday	10/08/2022	3	2	2
Thursday	11/08/2022	3	2	3
Friday	12/08/2022	3	2	3
Saturday	13/08/2022	3	2	3
Sunday	14/08/2022	3	2	2
Monday	15/08/2022	3	2	2
Tuesday	16/08/2022	3	2	3
Wednesday	17/08/2022	4	2	3
Thursday	18/08/2022	4	2	3
Friday	19/08/2022	3	2	3
Saturday	20/08/2022	3	2	2
Sunday	21/08/2022	3	2	2
Monday	22/08/2022	4	2	3
Tuesday	23/08/2022	4	2	3
Wednesday	24/08/2022	3	2	2
Thursday	25/08/2022	4	2	3
Friday	26/08/2022	4	2	3
Saturday	27/08/2022	4	2	3
Sunday	28/08/2022	4	2	3
Monday	29/08/2022	4	2	3
Tuesday	30/08/2022	5	2	3
Wednesday	31/08/2022	4	2	3
Monthly Results		124	2	7

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/08/2022								0
Tuesday	2/08/2022								0
Wednesday	3/08/2022	6.8	6.8	6.8	5	5	5	3.3	0
Thursday	4/08/2022	7.4	7.4	7.4	6	6	6	0.0	0
Friday	5/08/2022	6.8	6.8	6.8	5	5	5	1.7	0
Saturday	6/08/2022								0
Sunday	7/08/2022								0
Monday	8/08/2022								0
Tuesday	9/08/2022								0
Wednesday	10/08/2022	6.9	6.9	6.9	19	19	19	0.2	0
Thursday	11/08/2022								0
Friday	12/08/2022								0
Saturday	13/08/2022								0
Sunday	14/08/2022								0
Monday	15/08/2022								0
Tuesday	16/08/2022								0
Wednesday	17/08/2022								0
Thursday	18/08/2022								0
Friday	19/08/2022								0
Saturday	20/08/2022								0
Sunday	21/08/2022								0
Monday	22/08/2022								0
Tuesday	23/08/2022	7.4	7.1	7.3	5	4	4	4.7	5
Wednesday	24/08/2022	6.8	6.8	6.8	4	4	4	3.4	0
Thursday	25/08/2022								0
Friday	26/08/2022								0
Saturday	27/08/2022								0
Sunday	28/08/2022								0
Monday	29/08/2022								0
Tuesday	30/08/2022								0
Wednesday	31/08/2022								0
Monthly Results		7.4	6.8	7.0	19	4	7	13	5

Environmental Monitoring Data:- EPA License Number 549 **September 2022**
 Site Name: IXOM Operations Pty Ltd
 Site Address: Gate 1, Foreshore Road, Port Kembla, NSW, 2505
 The site has three Licensed Discharge Points as detailed in the monitoring data tables below: LDP1, LDP2 and LDP 4

Licensed Discharge Point 1 - SARP Stack						
Limits:		SO2 Max: 2800mg/m3			SO3 Max: 50mg/m3	
Day	Date	SO2 Maximum (mg/m3)	SO2 Minimum (mg/m3)	SO2 Average (mg/m3)	SO3 Result (mg/m3)	Sampling Information (sampling for SO3 conducted three times per year)
Thursday	1/09/2022	SARP not operational				
Friday	2/09/2022					
Saturday	3/09/2022					
Sunday	4/09/2022					
Monday	5/09/2022					
Tuesday	6/09/2022					
Wednesday	7/09/2022					
Thursday	8/09/2022					
Friday	9/09/2022					
Saturday	10/09/2022					
Sunday	11/09/2022					
Monday	12/09/2022					
Tuesday	13/09/2022					
Wednesday	14/09/2022					
Thursday	15/09/2022					
Friday	16/09/2022					
Saturday	17/09/2022					
Sunday	18/09/2022					
Monday	19/09/2022					
Tuesday	20/09/2022					
Wednesday	21/09/2022					
Thursday	22/09/2022					
Friday	23/09/2022					
Saturday	24/09/2022					
Sunday	25/09/2022					
Monday	26/09/2022					
Tuesday	27/09/2022					
Wednesday	28/09/2022					
Thursday	29/09/2022					
Friday	30/09/2022					
Monthly Results						

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	1/09/2022	4	2	3
Friday	2/09/2022	3	2	3
Saturday	3/09/2022	3	2	2
Sunday	4/09/2022	3	2	2
Monday	5/09/2022	3	2	2
Tuesday	6/09/2022	3	2	2
Wednesday	7/09/2022	4	1	2
Thursday	8/09/2022	9	1	1
Friday	9/09/2022	4	0	2
Saturday	10/09/2022	4	2	3
Sunday	11/09/2022	4	2	2
Monday	12/09/2022	3	1	2
Tuesday	13/09/2022	3	1	2
Wednesday	14/09/2022	3	1	2
Thursday	15/09/2022	3	1	2
Friday	16/09/2022	3	2	2
Saturday	17/09/2022	5	2	3
Sunday	18/09/2022	4	2	3
Monday	19/09/2022	10	2	4
Tuesday	20/09/2022	3	2	2
Wednesday	21/09/2022	4	1	3
Thursday	22/09/2022	3	2	3
Friday	23/09/2022	3	2	3
Saturday	24/09/2022	3	2	2
Sunday	25/09/2022	3	1	2
Monday	26/09/2022	3	1	2
Tuesday	27/09/2022	4	2	3
Wednesday	28/09/2022	4	2	3
Thursday	29/09/2022	3	2	2
Friday	30/09/2022	3	2	2
Monthly Results		10	0	2

Licensed Discharge Point 4: Wastewater discharge adjacent to T7									
Limits:		pH Max 8.5	pH Min 6.5		TSS Max: Dry weather 40mg/L Wet weather: 150mg/L			1000kl per day Max	Wet Weather >10mm/24hrs
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	1/09/2022	7.2	7.2	7.2	6	6	6	4.8	0
Friday	2/09/2022								7
Saturday	3/09/2022								13
Sunday	4/09/2022								9
Monday	5/09/2022	7.8	7.0	7.4	6	2	4	27.8	1
Tuesday	6/09/2022	8.1	7.6	7.9	3	2	3	14.1	0
Wednesday	7/09/2022								0
Thursday	8/09/2022								0
Friday	9/09/2022	7.5	7.5	7.5	6	6	6	5.1	0
Saturday	10/09/2022								0
Sunday	11/09/2022								0
Monday	12/09/2022								0
Tuesday	13/09/2022								0
Wednesday	14/09/2022	6.9	6.9	6.9	9	9	9	3.2	0
Thursday	15/09/2022	6.8	6.8	6.8	9	9	9	1.3	0
Friday	16/09/2022	6.9	6.9	6.9	8	8	8	5.5	0
Saturday	17/09/2022								0
Sunday	18/09/2022								0
Monday	19/09/2022								0
Tuesday	20/09/2022								0
Wednesday	21/09/2022	6.9	6.9	6.9	10	10	10	0.0	0
Thursday	22/09/2022								3
Friday	23/09/2022	7.8	6.8	7.2	23	13	18	35.1	1
Saturday	24/09/2022								1
Sunday	25/09/2022								0
Monday	26/09/2022								0
Tuesday	27/09/2022	8.0	6.8	7.7	26	23	25	5.4	0
Wednesday	28/09/2022	6.9	6.9	6.9	22	22	22	7.7	44
Thursday	29/09/2022	8.1	6.8	7.0	23	21	22	82.9	23
Friday	30/09/2022	8.3	6.8	7.2	23	21	22	42.5	0
Monthly Results		8.3	6.8	7.2	26	2	13	235	102