

Environmental Monitoring Data Report

Company Name: Allnex Resins (Aus) Pty Limited

Site: Botany

Address: 49-61 Stephen Road, Botany, NSW 2019

Licence No: 933



Point-1: Discharge to Water

Date of Sampling	Date Results Obtained	Element	BOD	COD	Total suspended solids	Oil & Grease	pH	Volume of liquid discharged (kL/day)															
		Unit of measure	mg/L	mg/L	mg/L	mg/L	pH	Date	Vol	Date	Vol	Date	Vol	Date	Vol	Date	Vol	Date	Vol				
		Frequency Limits	20	50	30	10	6.5-8.5																
21/01/20	22/01/20	<5	16	<5	<5	7.9	28/01/20	146	29/01/20	150	30/01/20	151	31/01/20	100									
10/02/20	11/02/20	<5	<10	<5	<5	7.5	12/02/20	159	13/02/20	149	14/02/20	150	17/02/20	144									
6/03/20	10/03/20	<5	<10	<5	<5	8.1	10/03/20	158	11/03/20	150	12/03/20	150	13/03/20	144									
17/03/20	23/03/20	<5	<10	<5	<5	8	19/03/20	157	20/03/20	146	23/03/20	150	24/03/20	150									
30/03/20	7/04/20	<5	11	5	<5	8	1/04/20	150	2/04/20	144	3/04/20	159	6/04/20	150	7/04/20	78							
1/05/20	4/05/20	<5	16	<5	<5	7.9	5/05/20	100	6/05/20	100													
21/05/20	25/05/20	<5	9	<5	<5	7.9	25/05/20	150	26/05/20	150	27/05/20	149	28/05/20	151									
9/06/20	11/06/20	<5	15	<5	<5	8	11/06/20	155	12/06/20	150	15/06/20	151	16/06/20	157	17/06/20	100							
29/06/20	30/06/20	<5	16	<5	<5	8.1	30/06/20	66	1/07/20	150	2/07/20	100	3/07/20	70									
28/07/20	30/07/20	5	20	<5	<5	8	30/07/20	70	31/07/20	81	3/08/20	115	4/08/20	112	5/08/20	151							
10/08/20	11/08/20	<5	11	<5	<5	6.7	11/08/20	62	12/08/20	115	13/08/20	118	14/08/20	149	15/08/20	77							
21/09/20	23/09/20	<5	17	<5	<5	7.3	23/09/20	22	24/09/20	150	25/09/20	144											
19/10/20	21/10/20	<5	21	<5	<5	7.7	21/10/21	150	22/10/20	115													
30/10/20	3/11/20	<5	14	<5	<5	7.8	3/11/20	151	4/11/20	149	5/11/20	144	9/11/20	122									
11/12/20	15/12/20	<5	26	<5	<5	6.9	15/12/20	100	16/12/20	154	17/12/20	150	18/12/20	133									
23/12/20	29/12/20	<5	19	<5	<5	7.1	29/12/20	118	30/12/20	123	31/12/20	152											
4/01/21	14/01/21	<5	13	<5	<5	7.1	6/01/21	141	7/01/21	134	8/01/21	82											
1/02/21	8/02/21	<5	15	<5	<5	7.1	3/02/21	133	4/02/21	151	5/02/21	150	8/02/21	33									
18/02/21	24/02/21	<5	14	<5	<5	7.7	22/02/21	97	25/02/21	11													
26/02/21	3/03/21	<5	19	5	<5	7.7	1/03/21	100	2/03/21	150	3/03/21	146	4/03/21	89									
19/03/21	22/03/21	<5	7	<5	<5	8.5	23/03/21	150	24/03/21	149	25/03/21	144	26/03/21	144									
8/04/21	9/04/21	<5	<5	11	<5	8.3	12/04/21	150	13/04/21	149	14/04/21	146											
6/05/21	7/05/21	<5	25	8	<5	8.4	10/05/21	151	11/05/21	149	12/05/21	146	13/05/21	152									
21/06/21	22/06/21	<5	14	25	<5	8	23/06/21	150	24/06/21	150	25/06/21	149	28/06/21	100									
1/07/21	2/07/21	<5	13	<5	<5	8.3	5/07/21	150	6/07/21	149	7/07/21	150	8/07/21	100									
27/08/21	30/08/21	9	22	<5	<5	7.3	1/09/21	150	2/09/21	150	3/09/21	151	6/09/21	145									
14/09/21	15/09/21	5	18	<5	<5	8.2	15/09/21	61	16/09/21	144	17/09/21	150	18/09/21	122	20/09/21	100							
13/10/21	14/10/21	<5	26	<5	<5	8.4	15/10/21	77	16/10/21	135	18/10/21	144	19/10/21	70									
9/11/21	10/11/21	<5	<5	<5	<5	8.5	11/11/21	150	12/11/21	144	15/11/21	100	16/11/21	154	17/11/21	100							
22/11/21	23/11/21	<5	8	<5	<5	7.8	24/11/21	151	25/11/21	149	26/11/21	144	29/11/21	150	30/11/21	123							
13/12/21	14/12/21	<5	14	6	<5	7.9	15/12/21	151	16/12/21	149	17/12/21	144	20/12/21	133									
7/01/22	17/01/22	<5	17	<5	<5	8	12/01/22	86	13/01/22	114	14/01/22	117	17/01/22	106	18/01/22	110							
17/01/22	24/01/22	<5	17	17	<5	7.7	20/01/22	114	21/01/22	77													
3/02/22	9/02/22	<5	22	<5	<5	7	7/02/22	150	8/02/22	146	9/02/22	152	10/02/22	156									
9/03/22	14/03/22	<5	27	<5	<5	7.5	14/03/22	151	15/03/22	149	16/03/22	144	17/03/22	150	18/03/22	100							
24/03/22	30/03/22	<5	7	<5	<5	8.4	28/03/22	107	30/03/22	100	31/03/22	117											
7/04/22	13/04/22	<5	6	<5	<5	8.2	11/04/22	133	12/04/22	140	13/04/22	152	14/04/22	144									
26/04/22	2/05/22	<5	17	6	<5	8.3	1/05/22	151	2/05/22	144	3/05/22	70	4/05/22	160									
23/05/22	30/05/22	<5	7	<5	<5	7	25/05/22	146	26/05/22	150	27/05/22	91	30/05/22	152	31/05/22	78							
1/07/22	6/07/22	<5	19	<5	<5	7.3	6/07/22	150	7/07/22	122	8/07/22	153											
11/07/22	19/07/22	<5	9	<5	<5	8.4	12/07/22	144	13/07/22	150	14/07/22	150	15/07/22	144									
18/07/22	27/07/22	<5	16	<5	<5	8.3	19/07/22	150	20/07/22	136	21/07/22	150	25/07/22	115	26/07/22	150							
24/08/22	31/08/22	<5	17	<5	<5	8	26/08/22	144	29/08/22	151	30/08/22	178	31/08/22	152									
16/09/22	21/09/22	<5	16	<5	<5	7.8	20/09/22	144	21/09/22	132	22/09/22	144	23/09/22	100									
30/09/22	6/10/22	<5	15	<5	<5	8	5/10/22	102	7/10/22	105													
10/10/22	17/10/22	<5	8	<5	<5	8.1	12/10/22	156	13/10/22	149	14/10/22	140	15/10/22	140									
18/10/22	24/10/22	<5	19	<5	<5	8	20/10/22	160	21/10/22	118	22/10/22	150											
14/11/22	21/11/22	<5	17	<5	<5	7.9	16/11/22	144	17/11/22	151	18/11/22	144	21/11/22	150									
14/12/22	19/12/22	<5	27	6	<5	7.3	19/12/22	107	21/12/22	144													
8/01/23	16/01/23	<5	11	<5	<5	7.6	12/01/23	38	13/01/23	154	16/01/23	150	17/01/23	139	18/01/23	144							
1/02/23	6/02/23	<5	11	<5	<5	8.1	3/02/23	150	6/02/23	149													

10/02/23	15/02/23	<5	<5	6	<5	7.9	14/02/23	144	15/02/23	133	16/02/23	150	17/02/23	137						
22/02/23	27/02/23	<5	10	6	<5	7.8	27/02/23	86	28/02/23	155	1/03/23	122	2/03/23	150	3/03/23	40				
3/04/23	12/04/23	<5	8	<5	<5	7.9	6/04/23	56	11/04/23	144	12/04/23	150	13/04/23	100						
17/04/23	24/07/23	<5	13	<5	<5	7.8	19/04/23	155	20/04/23	100	21/04/23	77								
1/05/23	9/05/23	<5	13	<5	<5	8	3/05/23	150	4/05/23	100										
19/05/23	24/05/23	<5	8	<5	<5	7.8	23/05/23	144	24/05/23	150	25/05/23	123								
24/07/23	1/08/23	<5	8	<5	<5	7.9	27/07/23	100	28/07/23	119	31/07/23	145	1/08/23	150	2/08/23	92				
14/08/23	21/08/23	<5	14	6	<5	7.9	16/08/23	140	17/08/23	140	18/08/23	118	21/08/23	122	28/08/23	96				
6/11/23	13/11/23	<5	5	<5	<5	8.1	9/11/23	144	10/11/23	100	13/11/23	150	14/11/23	151	15/11/23	85				
17/11/23	29/11/23	<5	13	<5	<5	7.4	22/11/203	90	23/11/23	151	24/11/23	80	25/11/23	80	27/11/23	121	28/11/23	96		
30/11/23	6/12/23	<5	15	<5	<5	6.9	4/12/23	150	5/12/23	151	6/12/23	144								
15/01/24	22/01/24	<5	13	<5	<5	7.8	18/01/24	123	19/01/24	150	22/01/24	145	23/01/24	112						
7/02/24	13/02/24	10	29	8	<5	8.1	9/02/24	112	12/02/24	155	13/02/24	148								
20/02/24	27/02/24	<5	<5	<5	<5	8.1	21/02/24	144	22/02/24	140	23/02/24	150	24/02/24	66	26/02/24	111				
18/03/24	25/03/24	<5	13	<5	<5	8	6/04/24	56	11/04/24	144	12/04/24	150	13/04/24	100						
8/04/24	15/04/24	<5	11	6	<5	8	19/04/24	155	20/04/24	100	21/04/24	77	3/05/24	150	4/05/24	100				
6/05/24	13/05/24	<5	<5	<5	<5	8	23/05/24	144	24/05/24	150	25/05/24	123								
3/06/24	11/06/24	<5	<5	<5	<5	8.1	7/06/24	150	11/06/24	150	12/06/24	134	13/06/24	144						
24/06/24	1/07/24	<5	<5	<5	<5	7.3	28/06/24	75	29/06/24	50	29/06/24	50	1/07/24	144	2/07/24	150				
19/08/24	26/08/24	<5	10	<5	<5	7.8	23/08/24	55	26/08/24	99	27/08/24	112								
4/07/24	10/07/24	<5	8	<5	<5	6.8	9/07/24	67	10/07/24	149	11/07/24	136	12/07/24	150						

Point-2: Discharge to Air

		Element	Carbon dioxide	Dry gas density	Moisture content	Molecular weight of stack gases	Nitrogen Oxides	Temperature	Velocity	Volatile organic compound	Volumetric flow rate
		Unit of measure	%	kg/m3	%	g/gmole	mg/m3	deg C	m/s	mg/m3	m3/s
		Frequency	Annual	Annual	Annual	Annual	Annual	Continuous	Annual	Annual	Continuous
Date of Sampling	Date Results obtained	Test Results									
2/07/2020	31/07/2020	Min	3	N/A	N/A	N/A	140	N/A	N/A	N/A	N/A
		Avg	3.1	1.31	5.1	29.3	140	622	15	<0.1	2.8
		Max	3.1	N/A	N/A	N/A	150	N/A	N/A	N/A	N/A
11/08/2021	15/09/2021	Min	2.4	N/A	N/A	N/A	100	N/A	N/A	N/A	N/A
		Avg	2.8	1.3	5.1	29.2	130	602	18	0.87	3.4
		Max	3.4	N/A	N/A	N/A	150	N/A	N/A	N/A	N/A
6/09/2022	14/10/2022	Min	3.1	N/A	N/A	N/A	110	N/A	N/A	N/A	N/A
		Avg	3.3	1.3	10	29.3	120	516	18	0.39	3.3
		Max	3.5	N/A	N/A	N/A	120	N/A	N/A	N/A	N/A
29/11/2023	19/12/2023	Min	0.4	N/A	N/A	N/A	7	N/A	N/A	N/A	N/A
		Avg	1.7	1.3	8.7	29.1	57	563	17	<0.2	0.92
		Max	3.6	N/A	N/A	N/A	130	N/A	N/A	N/A	N/A

Point-4: Thermal Oxidiser

Month	Combustion Temperature (°C)			Residence Time (s)		
	Min	Max	Mean	Min	Max	Mean
Jan-20	768	770	769	2	2	2
Feb-20	768	769	769	2	2	2
Mar-20	768	770	769	2	2	2
Apr-20	768	770	769	2	2	2
May-20	769	770	769	2	2	2
Jun-20	768	770	769	2	2	2
Jul-20	782	783	782	2	2	2
Aug-20	768	769	769	2	2	2
Sep-20	769	769	769	2	2	2
Oct-20	768	770	769	2	2	2
Nov-20	766	772	769	2	2	2
Dec-20	769	770	770	2	2	2
Jan-21	768	769	769	2	2	2
Feb-21	769	770	770	2	2	2
Mar-21	770	771	770	2	2	2
Apr-21	769	770	770	2	2	2
May-21	769	770	770	2	2	2
Jun-21	769	770	769	2	2	2
Jul-21	768	770	769	2	2	2
Aug-21	768	770	769	2	2	2
Sep-21	768	770	769	2	2	2
Oct-21	768	769	768	2	2	2
Nov-21	762	764	763	2	2	2
Dec-21	768	770	769	2	2	2
Jan-22	767	768	767	2	2	2
Feb-22	767	768	768	2	2	2
Mar-22	768	769	768	2	2	2
Apr-22	768	770	769	2	2	2
May-22	768	769	769	2	2	2
Jun-22	768	770	769	2	2	2
Jul-22	780	781	780	2	2	2
Aug-22	768	768	768	2	2	2
Sep-22	769	769	769	2	2	2
Oct-22	769	770	769	2	2	2
Nov-22	766	771	769	2	2	2
Dec-22	769	770	770	2	2	2
Jan-23	768	769	769	2	2	2
Feb-23	768	769	769	2	2	2
Mar-23	768	769	769	2	2	2
Apr-23	768	769	769	2.2	2.2	2.2
May-23	768	769	768	2.2	2.2	2.2
Jun-23	769	769	769	2.2	2.2	2.2
Jul-23	768	770	769	2.2	2.2	2.2
Aug-23	768	770	769	2.2	2.2	2.2
Sep-23	768	769	769	2.2	2.2	2.2
Oct-23	768	769	768	2.2	2.2	2.2
Nov-23	768	769	769	2.2	2.2	2.2
Dec-23	768	769	769	2.2	2.2	2.2
Jan-24	768	769	769	2.2	2.2	2.2
Feb-24	768	769	769	2.2	2.2	2.2
Mar-24	768	769	769	2.2	2.2	2.2
Apr-24	768	770	769	2.2	2.2	2.2
May-24	768	770	769	2.2	2.2	2.2

Point-6: Groundwater Monitoring

	Element	Ethyl benzene	Toluene	TPH C6-C9 Fraction	TPH C10-C14	TPH C15-C28	TPH C29-C36	Volatile Organic Compounds	Xylene
	Unit of Measure	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Date of Sampling	Date Results Obtained	Test Results							
24/01/2020	24/02/2020	6800	192	18000	2680	<100	<50	21158	7380
12/02/2020	13/03/2020	28500	13000	103000	2530	<100	<50	110460	20600
10/03/2020	17/03/2020	25200	16700	90700	5110	350	<50	97890	20100
6/04/2020	16/04/2020	25700	13400	86200	2740	120	<50	90620	19800
8/05/2020	18/05/2020	10600	1010	35600	2780	260	<50	38466	10800
3/06/2020	12/06/2020	22800	1450	61000	2700	110	<50	65125	17200
2/07/2020	9/07/2020	14400	1430	50600	3590	220	<50	54259	13300
4/08/2020	12/08/2020	23400	9570	73700	5300	210	<50	78194	19100
10/09/2020	18/09/2020	13500	841	53200	3940	240	<50	54900	12600
14/10/2020	21/10/2020	20900	634	66300	4810	120	<50	71890	18600
27/11/2020	4/12/2020	14200	364	37700	2850	140	<50	42250	13000
22/12/2020	29/12/2020	18400	560	48300	4010	150	<50	52920	16500
19/01/2021	27/01/2021	7360	118	24700	3680	120	<50	28395	9460
3/02/2021	9/02/2021	17600	1040	52000	3150	170	<50	56416	15700
26/03/2021	7/04/2021	30600	16400	105000	2490	<100	<50	110800	23200
22/04/2021	10/05/2021	30100	15200	93600	2590	<100	<50	100390	23800
17/05/2021	11/06/2021	45000	11000	120000	8000	1200	100	109940	37000
29/06/2021	26/07/2021	31200	4290	87100	9610	870	<50	96040	24700
2/08/2021	17/09/2021	26600	3380	82300	7560	<100	<50	92560	25900
1/09/2021	17/09/2021	9110	730	32600	4100	260	4360	40200	13100
25/10/2021	24/01/2022	5360	627	18600	3320	240	<50	23270	7950
12/11/2021	24/01/2022	4020	325	14400	3460	290	<50	19070	6390
10/12/2021	24/01/2022	2810	973	14000	3780	320	<50	18280	5640
17/01/2022	4/02/2022	935	105	4700	560	180	<50	5240	1890
16/02/2022	11/05/2022	3440	515	14300	1780	270	<50	16020	4850
16/03/2022	11/05/2022	1350	297	4170	910	230	<50	5020	1310
22/04/2022	11/05/2022	898	196	-	-	-	-	-	880
12/05/2022	18/07/2022	8430	3250	30700	2190	250	< 50	33482	8990
23/06/2022	18/07/2022	3920	444	13900	640	120	<50	15710	3840
28/07/2022	21/10/2022	3320	203	11800	990	130	<50	13130	4070
25/08/2022	21/10/2022	2680	158	9900	980	300	<50	11560	4230
29/09/2022	21/10/2022	2720	72	9720	730	210	<50	11150	3470
26/10/2022	4/11/2022	1180	29	5500	370	230	<50	7226	1722
29/11/2022	7/12/2022	1450	53	4530	150	<100	<50	5455	1635
15/12/2022	24/01/2023	2990	95	9040	670	310	<50	11830	3260
23/01/2023	20/02/2023	987	63	3880	130	580	<50	4786	1340
21/02/2023	14/03/2023	987	6190	26400	1390	<100	<50	30990	7780
21/03/2023	17/04/2023	839	53	2460	80	<100	<50	3550	1130
12/04/2023	3/05/2023	481	12	1950	60	180	<50	2475	600
18/05/2023	31/05/2023	663	30	2600	520	<100	<50	3575	1020
20/06/2023	3/07/2023	720	36	3030	430	<100	<50	4290	1160
20/07/2023	4/08/2023	96	4	420	<50	<100	<50	630	180
28/08/2023	13/10/2023	373	13	1090	<50	<100	<50	1364	568
21/09/2023	16/10/2023	680	14	2700	<50	160	<50	3744	950
12/10/2023	31/10/2023	85	5	450	<50	<100	<50	548	230
15/11/2023	6/12/2023	87	<2	330	<50	<100	<50	386	149
14/12/2023	27/12/2023	81	2	270	<50	<100	<50	390	107
11/01/2024	1/02/2024	190	10	760	90	500	200	1507	240
16/02/2024	13/03/2024	15	<2	50	<50	<100	<50	172	27
20/03/2024	11/04/2024	10	<2	80	<50	<100	<50	208	33
19/04/2024	17/05/2024	36	5	140	<50	<100	<50	279	63
28/05/2024	14/06/2024	286	3	880	160	<100	<50	1206	322
17/06/2024	5/07/2024	1680	135	3630	450	<100	<50	4470	1610
27/07/2024	16/08/2024	50	2	160	<50	<100	<50	301	61

Point-7: Groundwater Monitoring

Date of Sampling	Date Results Obtained	Element	Ethyl benzene	Toluene	TPH C6-C9 Fraction	TPH C10-C14	TPH C15-C28	TPH C29-C36	Volatile Organic Compounds	Xylene
		Unit of Measure	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
24/01/2020	24/02/2020		3	3	<20	<50	<100	<50	15	9
12/02/2020	13/03/2020		6	<2	<20	<50	<100	<50	11	5
10/03/2020	17/03/2020		<2	<2	<20	<50	<100	<50	<1	<2
7/04/2020	16/04/2020		<2	<2	<20	<50	<100	<50	<1	<2
8/05/2020	18/05/2020		<2	<2	<20	<50	<100	<50	<1	<2
3/06/2020	12/06/2020		<2	<2	<20	<50	<100	<50	<1	<2
2/07/2020	9/07/2020		<2	<2	<20	<50	<100	<50	<1	<2
4/08/2020	12/08/2020		<2	<2	<20	<50	<100	<50	<1	<2
10/09/2020	18/09/2020		<2	<2	<20	<50	<100	<50	<1	<2
14/10/2020	21/10/2020		<2	<2	<20	<50	<100	<50	<1	<2
27/11/2020	4/12/2020		<2	<2	<20	<50	<100	<50	<1	<2
22/12/2020	29/12/2020		<2	<2	<20	<50	<100	<50	<1	<2
19/01/2021	27/01/2021		<2	<2	<20	<50	<100	<50	<1	<2
2/02/2021	9/02/2021		<2	<2	<20	<50	<100	<50	<1	<2
26/03/2021	7/04/2021		<2	<2	<20	<50	<100	<50	<1	<2
22/04/2021	10/05/2021		<2	<2	<20	<50	<100	<50	<1	<2
21/05/2021	11/06/2021		<2	<2	<20	<50	<100	<50	<1	<2
29/06/2021	26/07/2021		<2	<2	<20	<50	<100	<50	<1	<2
3/08/2021	17/09/2021		<2	<2	<20	<50	<100	<50	<1	<2
1/09/2021	17/09/2021		<2	<2	<20	<50	<100	<50	<1	<2
27/10/2021	24/01/2022		<2	<2	<20	<50	<100	<50	<1	<2
17/01/2022	4/02/2022		<2	<2	<20	<50	<100	<50	<1	<2
22/04/2022	11/05/2022		<2	<2	-	-	-	-	-	<2
12/05/2022	18/07/2022		< 2	< 2	< 20	< 50	< 100	< 50	< 100	< 2
27/10/2022	4/11/2022		< 2	< 2	< 20	< 50	< 100	< 50	< 100	< 2
23/01/2023	20/02/2023		<2	<2	<20	<50	<100	<50	<1	<2
12/04/2023	3/05/2023		<2	<2	<20	<50	<100	<50	<1	<2
20/07/2023	4/08/2023		<2	<2	<20	<50	<100	<50	<50	<20
12/10/2023	31/10/2023		<2	<2	<20	<50	<100	<50	<50	<2
11/01/2024	1/02/2024		<2	<2	<20	<50	<100	<50	<1	<2
19/04/2024	17/05/2024		<2	<2	<20	<50	<100	<50	<1	<2