

Air Quality Monitoring Licensee EPA Licence Number	SHOALHAVEN STARCHES PTY LTD, 160 Bolong Rd Bomaderry NSW 2541 883
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Monitoring Point	Monitoring Location	Pollutant	Units	Monitoring Frequency	Results					
					Sampled 14 & 15 May 2012 Obtained 31 May 2012 Published 29 June 2012	Sampled 1 & 2 August 2012 Obtained 23 August 2012 Published 24 August 2012	Sampled 26 & 29 November 2012 Obtained 7 January 2013 Published 7 January 2013	Sampled 4, 5 & 6 March 2013 Obtained 1 April 2013 Published 5 April 2013	Sampled 14-16 May 2013 Obtained 28 May 2013 Published 10 June 2013	Sampled 2-5 September 2013 Obtained 17 October 2013 Published 25 October 2013
8	No. 1 Gluten Dryer	Odour	ou	Yearly	318	460	657	781	276	217
9	No. 2 Gluten Dryer – As of Q1 2012 now known as No. 2 Starch dryer	Odour	ou	Yearly	237	603	318	351	454	633
10	No. 3 Gluten Dryer	Odour	ou	Yearly	507	215	553	1,334	494	493
11	No. 4 Gluten Dryer	Odour	ou	Yearly	195	657	387	781	899	454
12	No. 1 Starch Dryer	Odour	ou	Yearly	553	318	351	347	327	355
13	No. 3 Starch Dryer	Odour	ou	Yearly	351	553	318	318	355	257
14	No. 4 Starch Dryer	Odour	ou	Yearly	147	195	289	262	215	213
16	Combined Fermenter No. 4, 5, 6, 7 & 8	Odour	ou	Yearly	4926	1437	3,802	382	5,070	2,371
17	Fermenter Vent No.10 & 11	Odour	ou	Yearly	6928	10,965	6,918	--**	7,039	8,366
18	DDG Cooling Towers	Odour	ou	Yearly	177	27	29	91	68	36
19	Effluent Storage Dam 1	Odour	ou	Yearly	43	--*	--*	387	74	114
20	Effluent Storage Dam 2	Odour	ou	Yearly	--*	--*	--*	--*	--*	125
21	Effluent Storage Dam 3	Odour	ou	Yearly	63	102	195	553	215	97
22	Effluent Storage Dam 4	Odour	ou	Yearly	237	351	422	237	68	98
23	Effluent Storage Dam 5	Odour	ou	Yearly	121	46	58	781	74	74
24	Effluent Storage Dam 6	Odour	ou	Yearly	37	27	43	37	40	36
31	Irrigation area serviced by Pivot Irrigators	Odour	ou	Yearly	35	54	37	--**	--**	299
32	Irrigation area serviced by Travelling Irrigators	Odour	ou	Yearly	54	79	--**	--**	--**	197
40	Outlet of Biofilter	Odour	ou	Yearly	147	215	355	498	369	118

ou = odour units

--* Sampling could not be performed due to insufficient volume and unsafe access to water surface.

--** Sampling could not be performed due to plant / equipment not operating on the days of sampling.

Monitoring Point	Monitoring Location	Pollutant	Units	Monitoring Frequency	Results					
					Sampled 11-13 November & 17 December 2013 Obtained 29 January 2014 Published 4 February 2014	Sampled 10 - 11 February 2014 Obtained 25 February 2014 Published 26 February 2014	Sampled 26- 28 May 2014 Obtained 20 June 2014 Published 23 June 2014	Sampled 11 & 16 Sep 2014 Obtained 8 October 2014 Published 9 October 2014	Sampled 5 & 6 Nov 2014 Obtained 21 November 2014 Published 4 December 2014	Sampled 2 & 3 February 2015 Obtained 9 February 2015 Published 10 February 2015
8	No. 1 Gluten Dryer	Odour	ou	Quarterly	688	535	1,337	316	531	624
9	No. 2 Gluten Dryer – As of Q1 2012 now known as No. 2 Starch dryer	Odour	ou	Quarterly	688	328	199	407	407	288
10	No. 3 Gluten Dryer	Odour	ou	Quarterly	1,660	537	1,589	288	624	733
11	No. 4 Gluten Dryer	Odour	ou	Quarterly	494	386	1,029	343	799	412
12	No. 1 Starch Dryer	Odour	ou	Quarterly	417	279	240	1125	380	490
13	No. 3 Starch Dryer	Odour	ou	Quarterly	493	167	263	165	380	219
14	No. 4 Starch Dryer	Odour	ou	Quarterly	327	302	288	Not operating	287	263
16	Carbon Dioxide Scrubber Outlet	Odour	ou	Quarterly	7,039	8,366	9,120	10,000	9,120	9,120
19	Effluent Storage Dam 1	Odour	ou	Yearly	97	-	60	-	-	-
20	Effluent Storage Dam 2	Odour	ou	Yearly	200	-	28	-	-	-
21	Effluent Storage Dam 3	Odour	ou	Yearly	107	-	14	-	-	-
23	Effluent Storage Dam 5	Odour	ou	Yearly	68	-	24	-	-	-
24	Effluent Storage Dam 6	Odour	ou	Yearly	52	-	20	-	-	-
25	Sulphur Oxidation Basin	Odour	ou	Yearly	219	-	113	-	-	-
35	Combined Boiler Stack for No. 5 & 6 Boilers	Odour	ou	Quarterly	1,388	633	871	1,895	1,334	1,895
39	Inlet Pipe to Biofilters A & B	Odour	ou	Quarterly	5,495	9,120	9,120	9,120	5,721	5,705
40	Outlet of Biofilter A	Odour	ou	Quarterly	Not operating	Not operating	994	233	241	268
41	Outlet of Biofilter B	Odour	ou	Quarterly	587	1,116	650	330	202	203
42	Boiler No.4	Odour	ou	Quarterly	822	357	794	676	490	741
44	Fermenter	Odour	ou	Quarterly	5,991	6,494	6,918	8,294	8,294	10,839

N.B. Changes to air monitoring requirements as per Environmental Protection Licence variation dated 8-Nov-2013

Monitoring Point	Monitoring Location	Pollutant	Units	Monitoring Frequency	Results
					Sampled 4 to 7 May 2015 Obtained 13 May 2015 Published 18 May 2015
8	No. 1 Gluten Dryer	Odour	ou	Quarterly	490
9	No. 2 Gluten / No 2 Starch Dryer	Odour	ou	Quarterly	530
10	No. 3 Gluten Dryer	Odour	ou	Quarterly	863
11	No. 4 Gluten Dryer	Odour	ou	Quarterly	530
12	No. 1 Starch Dryer	Odour	ou	Quarterly	490
13	No. 3 Starch Dryer	Odour	ou	Quarterly	446
14	No. 4 Starch Dryer	Odour	ou	Quarterly	352
16	Carbon Dioxide Scrubber Outlet	Odour	ou	Quarterly	10,954
19	Effluent Storage Dam 1	Odour	ou	Yearly	56
20	Effluent Storage Dam 2	Odour	ou	Yearly	868
21	Effluent Storage Dam 3	Odour	ou	Yearly	33
23	Effluent Storage Dam 5	Odour	ou	Yearly	26
24	Effluent Storage Dam 6	Odour	ou	Yearly	47
25	Sulphur Oxidation Basin	Odour	ou	Yearly	107
35	Combined Boiler Stack for No. 5 & 6 Boilers	Odour	ou	Quarterly	1,207
39	Inlet Pipe to Biofilters A & B	Odour	ou	Quarterly	11,049
40	Outlet of Biofilter A	Odour	ou	Quarterly	381
41	Outlet of Biofilter B	Odour	ou	Quarterly	150
42	Boiler No.4	Odour	ou	Quarterly	323
44	Fermenter	Odour	ou	Quarterly	9,171