

Noise Monitoring	SHOALHAVEN STARCHES PTY LTD, 160 Bolong Rd Bomaderry NSW 2541
Licensee	
EPA Licence Number	883
Monitoring Frequency	Six Monthly

Date Obtained 1 October 2012, Date Published 4 October 2012

Location	Date	Measurement Period	Measured levels dB(A) L ₉₀	100 percentile limit	Exceedance (yes/no)	Observations	Comments
1	18/09/2012	15 min	<36	38	no	Plant slightly audible, traffic noise from the west	Due to the prevailing weather conditions, the L90 levels recorded for all the locations were influenced by traffic on the Princes Highway to the west. Furthermore on the night of the survey there were road works occurring on the bridge over the river that at times interfered with the monitoring.
2	18/09/2012	15 min	38	38	no	Plant audible, traffic noise from the west	
3	18/09/2012	15 min	<30	38	no	Plant not audible, traffic noise from the west	
4	18/09/2012	15 min	37	38	no	Plant audible, traffic noise from the west	
5	18/09/2012	15 min	<38	42	no	Plant audible, traffic noise from the west	
6	18/09/2012	15 min	<37	42	no	Plant slightly audible	

Date Obtained 24 January 2013, Date Published 30 January 2013

Location	Date	Measurement Period	Measured levels dB(A) L ₉₀	100 percentile limit	Exceedance (yes/no)	Observations	Comments
1	17/01/2013	15 min	32	38	no	Plant slightly audible, traffic noise from the west	Due to the prevailing weather conditions, the L90 levels recorded for all the locations were influenced by traffic on the Princes Highway to the west.
2	17/01/2013	15 min	34	38	no	Plant audible, traffic noise from the west	
3	17/01/2013	15 min	<30	38	no	Plant not audible, traffic noise from the west	
4	17/01/2013	15 min	30	38	no	Plant audible, traffic noise from the west	
5	17/01/2013	15 min	<38	42	no	Plant audible, traffic noise from the west	
6	17/01/2013	15 min	<40	42	no	Plant audible	

Date Obtained 15 August 2013, Date Published 19 August 2013

Location	Date	Measurement Period	Measured levels dB(A) L ₉₀	100 percentile limit	Exceedance (yes/no)	Observations	Comments
1	9/08/2013	15 min	38/39	38	yes	Plant audible. Constant mid frequency fan noise. Minimal low frequency component to the plant noise. Low frequency traffic noise from the west clearly audible.	The weather conditions during the survey were cool, with a light wind from the north west which eased as the survey progressed. Due to the prevailing weather conditions, the L90 levels recorded for all the locations were influenced by traffic on the Princes Highway to the west. Possible minor exceedance at location 1 described as mid frequency fan noise to be investigated.
2	9/08/2013	15 min	<37	38	no	Plant barely audible in mid frequencies, no low frequency component to the noise. Low frequency traffic noise from the west clearly audible.	
3	9/08/2013	15 min	<35	38	no	Plant not audible, low frequency traffic noise clearly audible from the west and south.	
4	9/08/2013	15 min	32	38	no	Plant barely audible in mid frequencies, no low frequency component to the noise. Low frequency traffic noise from the west clearly audible.	
5	9/08/2013	15 min	<35	42	no	Plant barely audible with some mid frequency fan noise. Traffic noise from the west dominates the area.	
6	9/08/2013	15 min	<32	42	no	Plant barely audible, traffic noise from the west dominates the area.	

Date Obtained 30 January 2014, Date Published 4 February 2014

Location	Date	Measurement Period	Measured levels dB(A) L ₉₀	100 percentile limit	Exceedance (yes/no)	Observations	Comments
1	16/01/2014	15 min	35	38	no	Plant audible. Constant mid frequency fan noise. Audible tone from Paper Mill. Traffic noise from the west clearly audible.	Under the prevailing weather conditions the noise from the site, when audible, was generally broad band and free from tonal or intermittent characteristics. However, at location 5 the environment was dominated by noise from a train making determination of the contribution impossible for this survey.
2	16/01/2014	15 min	<37	38	no	Plant audible. Traffic noise from the west audible.	
3	16/01/2014	15 min	<32	38	no	Plant not audible, low frequency traffic noise clearly audible from the west and south.	
4	16/01/2014	15 min	38	38	no	Plant audible. Traffic noise from the west clearly audible.	
5	16/01/2014	15 min	?	42	?	Plant audible with noise from train dominating.	
6	16/01/2014	15 min	42	42	no	Plant audible and distant traffic.	

Date Obtained 4 February 2015, Date Published 5 February 2015

Location	Date	Measurement Period	Measured levels dB(A) L ₉₀	100 percentile limit	Exceedance (yes/no)	Observations	Comments
1	25/07/2014	15 min	<36	38	no	Plant inaudible. Audible broad band noise from paper mill. Traffic noise as general hum.	The prevailing weather was unusual with respect to previous surveys giving rise to higher background levels but not plant noise. Under the prevailing weather, noise from the site was inaudible at the majority of the locations. However, at location 5 the environment was dominated by noise from train operations making determination of the contribution difficult.
2	25/07/2014	15 min	<37	38	no	Plant barely audible. Traffic noise as general hum.	
3	25/07/2014	15 min	<30	38	no	Plant not audible.	
4	25/07/2014	15 min	<36	38	no	Plant inaudible.	
5	25/07/2014	15 min	<40	42	no	Plant barely audible with noise from train dominating.	
6	25/07/2014	15 min	<36	42	no	Plant inaudible.	

Date Obtained 15 April 2015, Date Published 16 April 2015

Location	Date	Measurement Period	Measured levels dB(A) L ₉₀	100 percentile limit	Exceedance (yes/no)	Observations	Comments
1	11/04/2015	15 min	<33	38	no	Plant just audible.	The weather conditions during the survey were cool 19°C, cloudy sky, and either no wind or a very light S wind.
2	11/04/2015	15 min	37	38	no	Plant audible.	
3	11/04/2015	15 min	<30	38	no	Plant not audible.	
4	11/04/2015	15 min	<32	38	no	Plant barely audible.	
5	11/04/2015	15 min	42	42	no	Plant audible.	
6	11/04/2015	15 min	40	42	no	Plant audible.	

Date Obtained 17 September 2015

Location	Date	Measurement Period	Measured levels dB(A) L ₉₀	100 percentile limit	Exceedance (yes/no)	Observations	Comments
1	29/07/2015	15 min	40	38	yes	Plant audible + traffic noise. Roar.	The weather conditions during the survey were 9°C and north-westerly winds which ranged from 9 km/h to 15 km/h. Location 1 exceedance exhibited a mid band roar. Investigations into cause are underway.
2	29/07/2015	15 min	<35	38	no	Plant barely audible. Traffic noise as general hum	
3	29/07/2015	15 min	<33	38	no	Plant barely audible.	
4	29/07/2015	15 min	<27	38	no	Plant inaudible.	
5	29/07/2015	15 min	40	42	no	Plant audible + traffic noise	
6	29/07/2015	15 min	<35	42	no	Plant barely audible, traffic noise	
7	29/07/2015	15 min	<20	40	no	Plant inaudible.	

Site and Measurement Locations

