

## Noise Monitoring Technical Note

<b>To</b>	John Wade, MVV Juergen Folz, Envicon, Jane Ford, MVV Caroline Leatherdale, MVV/Kier	<b>From</b>	Daniel Ellis, URS
<b>Copies to</b>	Alf Maneylaws, URS	<b>Date</b>	05/02/2013
<b>Subject</b>	Devonport EfW Facility: A summary of noise measurements to date (30/01/2013)		

**Table 1 Construction Noise Levels: Initial 30 Minute Readings**

Location	Date	Estimated LAeq 10hr dB (facade)	Maximum Permitted Noise Level (LAeq 10hr dB)	Difference (dB)
Talbot Gardens (R15)	21/08/2012	64	70	-6
	22/08/2012	67	70	-3
	29/08/2012	64	70	-6
	30/08/2012	62	70	-8
	05/09/2012	64	70	-6
	21/09/2012	65	70	-5
	28/09/2012	60	70	-10
	10/10/2012	69	70	-1
	24/10/2012	62	70	-8
	08/11/2012	64	70	-6
	28/11/2012	68	70	-2
	12/12/2012	65	70	-5
	03/01/2013	58	70	-12
	09/01/2013	58	70	-12
	16/01/2013	66	70	-4
	24/01/2013	66	70	-4
30/01/2013	63	70	-7	
Savage Road (R3)	13/08/2012	64	65	-1
	14/08/2012	61	65	-4
	21/08/2012	63	66	-3
	22/08/2012	61	66	-5
	29/08/2012	64	66	-2
	30/08/2012	66	66	0
	05/09/2012	64	66	-2
	14/09/2012	62	66	-4
	14/09/2012	64	66	-2
	21/09/2012	64	66	-2
	28/09/2012	67	66	1
	03/10/2012	64	66	-2
	10/10/2012	69	66	3
	24/10/2012	66	66	0
	08/11/2012	68	66	2
28/11/2012	71	66	5	
12/12/2012	65	66	-1	
03/01/2013	60	66	-6	

	09/01/2013	65	66	-1
	16/01/2013	62	66	-4
	16/01/2013	64	66	-2
	24/01/2013	66	66	0
	30/01/2013	63	66	-3
HamoazeAve (R22)	14/08/2012	49	57	-8
	21/08/2012	48	57	-9
	22/08/2012	51	57	-6
	29/08/2012	54	57	-3
	30/08/2012	48	57	-9
	05/09/2012	49	57	-8
	21/09/2012	46	57	-11
	24/10/2012	47	57	-10
	09/11/2012	50	57	-7
	28/11/2012	50	57	-7
	12/12/2012	50	57	-7
	03/01/2013	52	57	-5
	09/01/2013	49	57	-8
	16/01/2013	51	57	-6
	24/01/2013	48	57	-9
30/01/2013	52	57	-5	
Cardinal Ave	09/11/2012	60	-	-
	24/10/2012	59	-	-
	05/09/2012	57	-	-
	30/08/2012	58	-	-
	09/11/2012	60	-	-
	12/12/2012	62	-	-
	03/01/2013	56	-	-
	09/01/2013	63	-	-
	16/01/2013	60	-	-
24/01/2013	62	-	-	
Talbot Gardens (R17)	13/08/2012	67	70	-3
	14/08/2012	67	70	-3
	22/08/2012	64	70	-6
Wolseley Road (R20)	14/08/2012	50	60	-10
	21/08/2012	57	60	-3
	22/08/2012	57	60	-3
	29/08/2012	55	60	-5
	30/08/2012	56	60	-4
	05/09/2012	56	60	-4
21/09/2012	56	60	-4	

**Table 2 Construction Noise Levels: Two Hour Readings**

Location	Date	LAeq, 30min (dB)	LAeq, 2hrs (dB)	Maximum Permitted Noise Level (LAeq 10hr dB)	Breach
Savage Road (R3)	28/09/2012	67	69	66	✓
Savage Road (R3)	10/10/2012	69	71	66	✓
Savage Road (R3)	08/11/2012	68	66	66	×
Savage Road (R3)	28/11/2012	71	67	66	✓

**Joint Monitoring with Plymouth City Council's Public Protection Service (PPS)**

Two joint monitoring sessions have been undertaken with PPS, the results are in Table 3.

Location	Date	Ground Floor LAeq, 30min (dB)	4th Floor Balcony LAeq, 2hrs (dB)	Maximum Permitted Noise Level (LAeq 10hr dB)	Difference (dB)
Talbot Gardens (R15)	16/01/2013	66	70	70	4
Talbot Gardens (R15)	30/01/2013	63.5	67.4	70	3.9