Appendix 4E Construction Noise Impacts (Mitigated Scenario)

Construction Works		2005 May	2005 Jun	2005 Jul	2005 Aug	2005 Sept	2005 Oct	2005 Nov	2005 Dec	2006 Jan	2006 Feb	2006 Mar	2006 Apr	2006 May	2006 Jun	2006 Jul	2006 Aug	2006 Sept	2006 Oct	2006 Nov	2006 Dec	2007 Jan	2007 Feb	2007 Mar	2007 Apr	2007 May	2007 Jun	2007 Jul	2007 Aug	2007 Sept	2007 Oct	2007 Nov
(a) Site Formation (Y)		**120.2 dB(A)**																													
(b) Piling and Foundation Works (Y)					**115.3 dB(A)**																										
(c) Concreting Works (Y)									**117.7 dB(A)**																						
(d) Modification and Demolition Works (Y)																									**117.3 dB(A)**						
(e) Excavation and Mainlying Works(X)					**112 dB(A) at X2**								**103 dB(A) at X1**																		
(f) Outfall Construction (Open Trench Method) (Z)													**119.7 dB(A)**																	
Noise Level at Construction NSR (Activity a)	C1	66.7	66.7	66.7																											
	C2	66.3	66.3	66.3																											
	C3	66.6	66.6	66.6																											
	C4	67.4	67.4	67.4																											
	C5	61.7	61.7	61.7																											
Noise Level at Construction NSR (Activity b)	C1				61.8	61.8	61.8	61.8																							
	C2				61.4	61.4	61.4	61.4																							
	C3				61.7	61.7	61.7	61.7																							
	C4				62.5	62.5	62.5	62.5																							
	C5				56.8	56.8	56.8	56.8																							
Noise Level at Construction NSR (Activity c)	C1								64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
	C2								63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
	C3								64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
	C4								64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
	C5								59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
Noise Level at Construction NSR (Activity d)	C1																								63.8	63.8	63.8	63.8	63.8	63.8	63.8
	C2																								63.4	63.4	63.4	63.4	63.4	63.4	63.4
	C3																								63.7	63.7	63.7	63.7	63.7	63.7	63.7
	C4																								64.5	64.5	64.5	64.5	64.5	64.5	64.5
	C5																								58.8	58.8	58.8	58.8	58.8	58.8	58.8
Noise Level at Construction NSR (Activity e)	C1				60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8						
	C2				60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9						
	C3				61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5						
	C4				63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6						
	C5				54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5						
Noise Level at Construction NSR (Activity f)	C1													64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3									
	C2													64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0									
	C3													64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2									
	C4													64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7									
	C5													60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3									
Noise level at Construction NSR (All Activities)	C1	66.7	66.7	66.7	64.3	64.3	64.3	64.3	65.8	65.8	65.8	65.8	65.5	**68.0**	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	65.5	65.5	65.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0
	C2	66.3	66.3	66.3	64.2	64.2	64.2	64.2	65.6	65.6	65.6	65.6	65.3	**67.7**	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	65.3	65.3	65.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6
	C3	66.6	66.6	66.6	64.6	64.6	64.6	64.6	66.0	66.0	66.0	66.0	66.0	**68.2**	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	66.0	66.0	66.0	66.9	66.9	66.9	66.9	66.9	66.9	66.9
	C4	67.4	67.4	67.4	65.8	65.8	65.8	65.8	67.1	67.1	67.1	67.1	68.9	**70.3**	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	68.9	68.9	68.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7
	C5	61.7	61.7	61.7	58.8	58.8	58.8	58.8	60.5	60.5	60.5	60.5	59.6	**63.0**	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	59.6	59.6	59.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1