Appendix 4F Cumulative Noise Impact (Mitigated)

Construction Schedule

No.	Activity Description	Duration (days)	Start Date	Finish Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	Assessment Period				2005/03/06 - 2005/03/03	2005/03/12 - 2005/03/07	2005/04/25 - 2005/03/13	2005/05/01 - 2005/04/26	2005/05/19 - 2005/05/02	2005/06/04 - 2005/05/20	2005/07/02 - 2005/06/05	2005/08/02 - 2005/07/03	2005/08/22 - 2005/08/03	2005/08/24 - 2005/08/23	2005/09/21 - 2005/08/25	2005/09/22 - 2005/09/22	2005/10/06 - 2005/09/23	2005/10/30 - 2005/10/07	2005/11/07 - 2005/10/31	2005/11/11 - 2005/11/08	2005/11/23 - 2005/11/12	2005/11/29 - 2005/11/24	2005/12/04 - 2005/11/30	2005/12/05 - 2005/12/05	2005/12/18 - 2005/12/06	2005/12/29 - 2005/12/19	2006/01/05 - 2005/12/30	2006/01/10 - 2006/01/06	2006/01/25 - 2006/01/11	2006/01/28 - 2006/01/26	2006/02/28 - 2006/01/29
					4d	6d	44d	6d	18d	16d	28d	31d	20d	2d	28d	1d	14d	24d	8d	4d	12d	6d	5d	1d	13d	11d	7d	5d	15d	3d	31d
1	**Site Clearance**																														
a	existing ground breaking	04 days	2005/03/03	2005/03/06	3E+10																										
b	removal of demolition/ waste materials	06 days	2005/03/07	2005/03/12		1E+16																									
c	erection of office/ hoarding/ fencing	54 days	2005/03/03	2005/04/25	3E+10	3E+10	3E+10																								
2	**Reclamation (for both Pad & EVA)**																														
a	dredging	34 days	2005/05/02	2005/06/04					4E+11	4E+11																					
b	placing/ trimming of pell mell rubble	75 days	2005/05/20	2005/08/02						3E+11	3E+11	3E+11																			
c	placing/ trimming of rock underlayer	82 days	2005/07/03	2005/09/22								4E+10	4E+10	4E+10	4E+10	4E+10															
d	placing/ trimming of rock armour	104 days	2005/08/23	2005/12/04										4E+10	4E+10	4E+10	4E+10	4E+10	4E+10	4E+10	4E+10	4E+10	4E+10								
3	**Construction of Helipad**																														
a	casting precast conc. wave deflector	121 days	2005/04/26	2005/08/24				3E+11	3E+11	3E+11	3E+11	3E+11	3E+11	3E+11																	
b	installation of precast w/d	47 days	2005/09/22	2005/11/07												2E+11	2E+11	2E+11	2E+11												
c	filling the pad with granular material	16 days	2005/11/08	2005/11/23																2E+11	2E+11										
d	compression of foundation material	06 days	2005/11/24	2005/11/29																		6E+10									
f	construct r.c. slab	57 days	2005/11/30	2006/01/25																			5E+11	5E+11	5E+11	5E+11	5E+11	5E+11	5E+11		
g	install helipad facilities	61 days	2005/12/30	2006/02/28																							6E+10	6E+10	6E+10	6E+10	6E+10
4	**Construction of EVA**																														
a	filling the EVA with granular material	24 days	2005/10/07	2005/10/30														4E+10													
b	compression of foundation material	12 days	2005/10/31	2005/11/11															6E+10	6E+10											
c	construct R.C. Slab	55 days	2005/11/12	2006/01/05																	4E+10	4E+10	4E+10	4E+10	4E+10	4E+10	4E+10				
d	associated drainage	36 days	2005/12/06	2006/01/10																					2E+10	2E+10	2E+10	2E+10			
e	install railing and other e&m facilities	72 days	2005/12/19	2006/02/28																						7E+09	7E+09	7E+09	7E+09	7E+09	7E+09
f	landscaping work	31 days	2006/01/29	2006/02/28																											2E+10

Construction Noise Calculation - Mitigated

Predicted Noise Levels

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1 Sea Crest Villa - Block D, Flat A	from Helipad	65	70	50	56	72	74.59	71.15	71.65	62.88	65.46	64.98	65.29	62.56	68.14	69.57	69.57	67.92	67.81	68.16	66.96	68.81	69.26	69.3	66.16	61.71	59.54	64.35
	from STW	0	0	0	0	67.42	67.42	67.42	67.42	65.76	65.76	65.76	65.76	65.76	65.76	65.76	65.76	65.76	65.76	67.06	67.06	67.06	67.06	67.06	67.06	67.06	67.06	67.06
	Cumulative Impact	**64.86**	**70.43**	**49.62**	**55.64**	**73.34**	**75.35**	**72.69**	**73.04**	**67.57**	**68.62**	**68.4**	**68.54**	**67.46**	**70.12**	**71.08**	**71.08**	**69.98**	**69.91**	**70.65**	**70.02**	**71.04**	**71.31**	**71.33**	**69.64**	**68.17**	**67.77**	**68.92**
	Exceedance																											