

Appendix 3.14: Detailed Results at Operational Phase (With Project)

Cumulative 19th Highest 1-hour NO₂

PATH Grid	ASR ID	Location	Approx. Max. Height	19 Highest 1-hour NO ₂ Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	76	77	78				
42_49	A2	Casa Marina I	13	73	73	72	72			
42_49	A3	Village House at 53 Ting Kok Road	6	107	99	91				
42_49	A4	Tai Po East Fire Station	13	93	92	91	90			
42_49	A9	Casa Brava	9	121	111	102				
42_49	A10	Casa Marina II	13	85	81	76	76			
42_49	A11	Tycoon Place	16	70	69	68	68	68		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	89	90	91				
42_49	A13	EPD Site Office	3	87	87					
42_49	A14	Lai Wah Garden Company Limited	3	103	99					
42_48	PA1	Proposed Ancillary Facilities	9	78	78	78				
42_49	PA2	Planned residential site	15	75	75	74	74			
42_48	PA3	Proposed Staff Quarters	6	76	74	74				

Cumulative 10th Highest 24-hour RSP

PATH Grid	ASR ID	Location	Approx. Max. Height	10th Highest 24-hour RSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	79	78	76				
42_49	A2	Casa Marina I	13	74	74	74	74			
42_49	A3	Village House at 53 Ting Kok Road	6	75	75	75				
42_49	A4	Tai Po East Fire Station	13	75	75	75	75			
42_49	A9	Casa Brava	9	75	75	75				
42_49	A10	Casa Marina II	13	74	74	74	74			
42_49	A11	Tycoon Place	16	74	74	74	74	74		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	76	75	76				
42_49	A13	EPD Site Office	3	76	75					
42_49	A14	Lai Wah Garden Company Limited	3	75	75					
42_48	PA1	Proposed Ancillary Facilities	9	76	76	76				
42_49	PA2	Planned residential site	15	74	74	74	74			
42_48	PA3	Proposed Staff Quarters	6	80	79	77				

Cumulative 10th Highest 24-hour FSP

PATH Grid	ASR ID	Location	Approx. Max. Height	10th Highest 24-hour FSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	57	57	57				
42_49	A2	Casa Marina I	13	56	56	56	56			
42_49	A3	Village House at 53 Ting Kok Road	6	56	56	56				
42_49	A4	Tai Po East Fire Station	13	57	57	56	56			
42_49	A9	Casa Brava	9	57	57	56				
42_49	A10	Casa Marina II	13	56	56	56	56			
42_49	A11	Tycoon Place	16	56	56	56	55	55		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	57	57	57				
42_49	A13	EPD Site Office	3	57	57					
42_49	A14	Lai Wah Garden Company Limited	3	56	56					
42_48	PA1	Proposed Ancillary Facilities	9	57	57	57				
42_49	PA2	Planned residential site	15	56	56	56	56			
42_48	PA3	Proposed Staff Quarters	6	57	57	57				

Cumulative Annual NO₂

PATH Grid	ASR ID	Location	Approx. Max. Height	Annual NO ₂ Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	14	14	14				
42_49	A2	Casa Marina I	13	12	11	11	11			
42_49	A3	Village House at 53 Ting Kok Road	6	18	17	16				
42_49	A4	Tai Po East Fire Station	13	21	20	17	16			
42_49	A9	Casa Brava	9	20	19	17				
42_49	A10	Casa Marina II	13	13	13	12	12			
42_49	A11	Tycoon Place	16	11	11	11	11	11		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	17	17	16				
42_49	A13	EPD Site Office	3	19	18					
42_49	A14	Lai Wah Garden Company Limited	3	17	16					
42_48	PA1	Proposed Ancillary Facilities	9	13	13	13				
42_49	PA2	Planned residential site	15	12	12	11	11			
42_48	PA3	Proposed Staff Quarters	6	13	13	13				

Cumulative Annual RSP

PATH Grid	ASR ID	Location	Approx. Max. Height	Annual RSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	36	35	34				
42_49	A2	Casa Marina I	13	32	32	32	32			
42_49	A3	Village House at 53 Ting Kok Road	6	33	33	33				
42_49	A4	Tai Po East Fire Station	13	34	33	33	33			
42_49	A9	Casa Brava	9	33	33	33				
42_49	A10	Casa Marina II	13	32	32	32	32			
42_49	A11	Tycoon Place	16	33	32	32	32	32		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	33	33	33				
42_49	A13	EPD Site Office	3	33	33					
42_49	A14	Lai Wah Garden Company Limited	3	33	33					
42_48	PA1	Proposed Ancillary Facilities	9	33	33	33				
42_49	PA2	Planned residential site	15	32	32	32	32			
42_48	PA3	Proposed Staff Quarters	6	35	35	34				

Cumulative Annual FSP

PATH Grid	ASR ID	Location	Approx. Max. Height	Annual FSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	24	24	24				
42_49	A2	Casa Marina I	13	23	23	23	23			
42_49	A3	Village House at 53 Ting Kok Road	6	24	24	23				
42_49	A4	Tai Po East Fire Station	13	24	24	24	24			
42_49	A9	Casa Brava	9	24	24	23				
42_49	A10	Casa Marina II	13	23	23	23	23			
42_49	A11	Tycoon Place	16	23	23	23	23	23		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	24	24	24				
42_49	A13	EPD Site Office	3	24	23					
42_49	A14	Lai Wah Garden Company Limited	3	23	23					
42_48	PA1	Proposed Ancillary Facilities	9	23	23	23				
42_49	PA2	Planned residential site	15	23	23	23	23			
42_48	PA3	Proposed Staff Quarters	6	24	24	24				

Appendix 3.14: Detailed Results at Operational Phase (Without Project)

Cumulative 19th Highest 1-hour NO₂

PATH Grid	ASR ID	Location	Approx. Max. Height	19 Highest 1-hour NO ₂ Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	76	77	78				
42_49	A2	Casa Marina I	13	73	73	72	72			
42_49	A3	Village House at 53 Ting Kok Road	6	107	99	91				
42_49	A4	Tai Po East Fire Station	13	93	92	91	90			
42_49	A9	Casa Brava	9	121	111	102				
42_49	A10	Casa Marina II	13	85	81	76	76			
42_49	A11	Tycoon Place	16	70	69	68	68	68		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	89	90	91				
42_49	A13	EPD Site Office	3	87	87					
42_49	A14	Lai Wah Garden Company Limited	3	103	99					
42_48	PA1	Proposed Ancillary Facilities	9	78	78	78				
42_49	PA2	Planned residential site	15	75	75	74	73			
42_48	PA3	Proposed Staff Quarters	6	76	74	74				

Cumulative 10th Highest 24-hour RSP

PATH Grid	ASR ID	Location	Approx. Max. Height	10th Highest 24-hour RSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	79	78	76				
42_49	A2	Casa Marina I	13	74	74	74	74			
42_49	A3	Village House at 53 Ting Kok Road	6	75	75	75				
42_49	A4	Tai Po East Fire Station	13	75	75	75	75			
42_49	A9	Casa Brava	9	75	75	75				
42_49	A10	Casa Marina II	13	74	74	74	74			
42_49	A11	Tycoon Place	16	74	74	74	74	74		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	76	75	76				
42_49	A13	EPD Site Office	3	76	75					
42_49	A14	Lai Wah Garden Company Limited	3	75	75					
42_48	PA1	Proposed Ancillary Facilities	9	76	76	76				
42_49	PA2	Planned residential site	15	74	74	74	74			
42_48	PA3	Proposed Staff Quarters	6	80	79	77				

Cumulative 10th Highest 24-hour FSP

PATH Grid	ASR ID	Location	Approx. Max. Height	10th Highest 24-hour FSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	57	57	57				
42_49	A2	Casa Marina I	13	56	56	56	56			
42_49	A3	Village House at 53 Ting Kok Road	6	56	56	56				
42_49	A4	Tai Po East Fire Station	13	57	57	56	56			
42_49	A9	Casa Brava	9	57	57	56				
42_49	A10	Casa Marina II	13	56	56	56	56			
42_49	A11	Tycoon Place	16	56	56	56	55	55		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	57	57	57				
42_49	A13	EPD Site Office	3	57	57					
42_49	A14	Lai Wah Garden Company Limited	3	56	56					
42_48	PA1	Proposed Ancillary Facilities	9	57	57	57				
42_49	PA2	Planned residential site	15	56	56	56	56			
42_48	PA3	Proposed Staff Quarters	6	57	57	57				

Cumulative Annual NO₂

PATH Grid	ASR ID	Location	Approx. Max. Height	Annual NO ₂ Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	14	14	14				
42_49	A2	Casa Marina I	13	12	11	11	11			
42_49	A3	Village House at 53 Ting Kok Road	6	18	17	16				
42_49	A4	Tai Po East Fire Station	13	21	20	17	16			
42_49	A9	Casa Brava	9	20	19	17				
42_49	A10	Casa Marina II	13	13	13	12	12			
42_49	A11	Tycoon Place	16	11	11	11	11	11		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	17	17	16				
42_49	A13	EPD Site Office	3	19	18					
42_49	A14	Lai Wah Garden Company Limited	3	17	16					
42_48	PA1	Proposed Ancillary Facilities	9	13	13	13				
42_49	PA2	Planned residential site	15	12	12	11	11			
42_48	PA3	Proposed Staff Quarters	6	13	13	13				

Cumulative Annual RSP

PATH Grid	ASR ID	Location	Approx. Max. Height	Annual RSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	36	35	34				
42_49	A2	Casa Marina I	13	32	32	32	32			
42_49	A3	Village House at 53 Ting Kok Road	6	33	33	33				
42_49	A4	Tai Po East Fire Station	13	34	33	33	33			
42_49	A9	Casa Brava	9	33	33	33				
42_49	A10	Casa Marina II	13	32	32	32	32			
42_49	A11	Tycoon Place	16	33	32	32	32	32		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	33	33	33				
42_49	A13	EPD Site Office	3	33	33					
42_49	A14	Lai Wah Garden Company Limited	3	33	33					
42_48	PA1	Proposed Ancillary Facilities	9	33	33	33				
42_49	PA2	Planned residential site	15	32	32	32	32			
42_48	PA3	Proposed Staff Quarters	6	35	35	34				

Cumulative Annual FSP

PATH Grid	ASR ID	Location	Approx. Max. Height	Annual FSP Concentration at various height (ug/m3)						
				1.5	5	10	15	20	30	40
42_48	A1	Fortune Garden	9	24	24	24				
42_49	A2	Casa Marina I	13	23	23	23	23			
42_49	A3	Village House at 53 Ting Kok Road	6	24	24	23				
42_49	A4	Tai Po East Fire Station	13	24	24	24	24			
42_49	A9	Casa Brava	9	24	24	23				
42_49	A10	Casa Marina II	13	23	23	23	23			
42_49	A11	Tycoon Place	16	23	23	23	23	23		
42_49	A12	Hong Kong Landfill Restoration Group Limited	8	24	24	24				
42_49	A13	EPD Site Office	3	24	23					
42_49	A14	Lai Wah Garden Company Limited	3	23	23					
42_48	PA1	Proposed Ancillary Facilities	9	23	23	23				
42_49	PA2	Planned residential site	15	23	23	23	23			
42_48	PA3	Proposed Staff Quarters	6	24	24	24				