Appendix 3.8

Predicted 1-hour, 24-hour and annual averaged NO_2 and SO_2 concentration ($\mu g/m^3$) at ASRs under various modes of operations

Appendix 3.8: Predicted 1-hr NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 1 — ASP On

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	70.3	70.3	70.3	70.2	70.2	70.2	68.6	68.8	69.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	59.8	59.8	59.8	59.7	59.7	59.7	59.5	59.5	59.5	58.5	58.5	58.5	59.8	59.8	59.8	59.8
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	67.4	67.4	67.5	67.1	67.2	67.3	67.0	67.0	67.2	66.9	66.9	67.1	67.4	67.4	67.5	67.5
ASR4	Man Uk Pin	836921.6	843050.8	64.2	64.2	64.3	63.9	63.9	64.1	63.9	63.9	64.1	62.7	62.8	63.0	64.2	64.2	64.3	64.3
ASR5	Man Uk Pin	836792.7	842938.7	63.9	63.9	64.0	63.8	63.8	63.9	63.8	63.9	64.0	63.0	63.1	63.2	63.9	63.9	64.0	64.0
ASR6	Miu Keng	836499.0	843079.2	58.2	58.2	58.3	59.1	59.1	59.1	59.1	59.1	59.1	58.6	58.6	58.6	59.1	59.1	59.1	59.1
ASR7	Heung Yuen Wai	834949.2	845805.6	69.1	69.1	69.2	68.9	68.9	69.0	69.0	69.0	69.1	69.0	69.0	69.1	69.1	69.1	69.2	69.2
ASR8	Tsung Yuen Ha	834261.5	845788.0	68.2	68.2	68.3	68.4	68.4	68.5	68.4	68.4	68.6	68.3	68.3	68.5	68.4	68.4	68.6	68.6
ASR9	Ha Heung Yuen	834772.4	845729.4	70.8	70.8	70.9	71.0	71.0	71.1	71.0	71.0	71.1	71.0	71.0	71.1	71.0	71.0	71.1	71.1
ASR10	Lin Ma Hang	836866.1	845495.2	77.9	80.0	86.8	77.8	79.9	86.7	77.8	79.9	86.7	78.1	80.2	87.0	78.1	80.2	87.0	87.0
ASR11	Tung Lo Hang	834944.3	844920.6	75.4	76.8	81.3	74.7	76.2	80.8	75.1	76.6	81.2	74.6	76.0	80.4	75.4	76.8	81.3	81.3
ASR12	Chuk Yuen	833927.6	845623.5	63.9	63.9	63.9	63.5	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
ASR13	Nga Yiu Ha	834681.8	844507.7	68.5	68.5	68.7	68.2	68.2	68.3	68.3	68.4	68.5	68.0	68.0	68.1	68.5	68.5	68.7	68.7
ASR14	Ping Yeung	834932.5	844083.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
ASR15	Ping Che	834781.0	842892.0	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
ASR16	Ping Che Kat Tin	834638.8	843162.0	60.2	60.2	60.4	60.0	60.0	60.3	60.1	60.1	60.4	60.0	60.1	60.3	60.2	60.2	60.4	60.4
ASR17	Kan Tau Wai	833565.4	844380.1	60.4	60.4	60.4	59.9	59.9	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4
ASR18	Tong Fong	833659.8	844135.4	58.9	58.9	58.9	58.1	58.1	58.1	59.1	59.1	59.1	58.8	58.8	58.8	59.1	59.1	59.1	59.1
ASR19	Fung Wong Wu	833278.7	844149.0	59.3	59.3	59.3	58.8	58.8	58.8	59.0	59.0	59.0	59.2	59.2	59.2	59.3	59.3	59.3	59.3
ASR20	Lei Uk	833432.9	843932.5	58.1	58.1	58.1	56.6	56.6	56.6	58.3	58.3	58.3	57.9	57.9	57.9	58.3	58.3	58.3	58.3
ASR21	Chow Tin Tsuen	833071.0	844042.5	58.2	58.2	58.2	57.9	58.0	58.2	57.9	57.9	57.9	58.1	58.1	58.1	58.2	58.2	58.2	58.2
ASR22	Tai Po Tin	833816.5	843106.9	59.2	59.2	59.4	59.1	59.2	59.3	59.2	59.2	59.4	59.1	59.1	59.3	59.2	59.2	59.4	59.4
ASR23	Ha Shan Kai Wat	833911.2	842536.3	57.3	57.3	57.4	57.3	57.3	57.3	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	59.9	59.9	60.0	59.9	59.9	60.0	59.8	59.8	59.9	59.9	59.9	60.0	59.9	59.9	60.0	60.0
ASR25	Tai Tong Wu	836212.0	842390.6	57.6	57.6	57.6	57.6	57.6	57.6	56.3	56.3	56.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6
ASR26	Loi Tung	836864.6	842409.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	119.2	119.1	118.8	119.6	119.6	119.3	119.2	119.1	118.8	118.4	118.4	118.1	119.6	119.6	119.3	119.6
			sub-max:	119.2	119.1	118.8	119.6	119.6	119.3	119.2	119.1	118.8	118.4	118.4	118.1	119.6	119.6	119.3	
			max:	119.6															
			% AQO:	40%															

Appendix 3.8: Predicted 24-hr averaged NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 1 – ASP On

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	54.5	54.6	54.9	54.9	55.0	55.3	55.3	55.4	55.7	51.8	51.8	52.1	55.3	55.4	55.7	55.7
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	53.0	53.0	53.0	53.9	53.9	54.0	51.7	51.7	51.7	51.3	51.3	51.4	53.9	53.9	54.0	54.0
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	56.0	56.0	56.1	55.9	55.9	56.0	55.4	55.4	55.5	52.8	53.0	53.7	56.0	56.0	56.1	56.1
ASR4	Man Uk Pin	836921.6	843050.8	53.8	53.9	54.2	53.6	53.6	53.6	50.3	50.4	50.6	51.1	51.2	51.4	53.8	53.9	54.2	54.2
ASR5	Man Uk Pin	836792.7	842938.7	55.0	55.2	55.6	53.6	53.6	53.6	51.7	51.8	52.1	52.0	52.1	52.6	55.0	55.2	55.6	55.6
ASR6	Miu Keng	836499.0	843079.2	52.8	52.8	52.9	52.3	52.3	52.3	51.5	51.5	51.5	50.5	50.5	50.6	52.8	52.8	52.9	52.9
ASR7	Heung Yuen Wai	834949.2	845805.6	52.9	52.9	53.0	53.1	53.1	53.2	52.1	52.1	52.1	52.2	52.3	52.3	53.1	53.1	53.2	53.2
ASR8	Tsung Yuen Ha	834261.5	845788.0	52.1	52.1	52.1	52.8	52.8	52.8	54.0	54.1	54.4	54.3	54.4	54.7	54.3	54.4	54.7	54.7
ASR9	Ha Heung Yuen	834772.4	845729.4	52.1	52.2	52.3	53.4	53.5	53.7	52.5	52.6	52.7	52.6	52.6	52.7	53.4	53.5	53.7	53.7
ASR10	Lin Ma Hang	836866.1	845495.2	52.2	52.3	52.6	59.5	60.1	62.3	59.7	60.3	62.2	59.9	60.6	62.9	59.9	60.6	62.9	62.9
ASR11	Tung Lo Hang	834944.3	844920.6	54.3	54.7	56.1	54.7	54.7	55.3	54.1	54.5	57.3	53.7	54.1	55.6	54.7	54.7	57.3	57.3
ASR12	Chuk Yuen	833927.6	845623.5	51.9	51.9	52.0	54.2	54.2	54.5	53.6	53.7	53.9	54.4	54.5	54.6	54.4	54.5	54.6	54.6
ASR13	Nga Yiu Ha	834681.8	844507.7	54.1	54.1	54.2	52.3	52.3	52.3	52.6	52.6	52.8	53.2	53.3	53.7	54.1	54.1	54.2	54.2
ASR14	Ping Yeung	834932.5	844083.2	56.4	56.5	56.8	56.5	56.6	57.0	56.7	56.9	57.3	53.0	53.0	53.1	56.7	56.9	57.3	57.3
ASR15	Ping Che	834781.0	842892.0	52.5	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.9	52.0	52.0	52.1	52.8	52.8	52.9	52.9
ASR16	Ping Che Kat Tin	834638.8	843162.0	54.5	54.5	54.5	54.4	54.4	54.4	53.1	53.1	53.2	53.7	53.7	53.8	54.5	54.5	54.5	54.5
ASR17	Kan Tau Wai	833565.4	844380.1	51.4	51.4	51.5	51.4	51.4	51.5	50.6	50.6	50.7	50.5	50.5	50.6	51.4	51.4	51.5	51.5
ASR18	Tong Fong	833659.8	844135.4	50.9	50.9	51.0	50.5	50.5	50.5	50.3	50.3	50.3	51.1	51.2	51.2	51.1	51.2	51.2	51.2
ASR19	Fung Wong Wu	833278.7	844149.0	51.4	51.5	51.5	51.2	51.2	51.2	50.5	50.5	50.5	50.6	50.6	50.6	51.4	51.5	51.5	51.5
ASR20	Lei Uk	833432.9	843932.5	50.8	50.9	50.9	50.4	50.4	50.4	50.3	50.3	50.4	51.2	51.2	51.3	51.2	51.2	51.3	51.3
ASR21	Chow Tin Tsuen	833071.0	844042.5	51.5	51.5	51.5	51.2	51.2	51.2	50.5	50.5	50.5	50.5	50.5	50.6	51.5	51.5	51.5	51.5
ASR22	Tai Po Tin	833816.5	843106.9	53.3	53.4	53.6	51.1	51.1	51.1	51.6	51.6	51.6	52.5	52.5	52.5	53.3	53.4	53.6	53.6
ASR23	Ha Shan Kai Wat	833911.2	842536.3	51.8	51.8	51.8	51.8	51.8	51.8	52.8	52.8	52.8	52.6	52.7	52.7	52.8	52.8	52.8	52.8
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	54.1	54.2	54.4	51.1	51.1	51.1	51.6	51.6	51.6	52.5	52.5	52.5	54.1	54.2	54.4	54.4
ASR25	Tai Tong Wu	836212.0	842390.6	51.9	51.9	52.0	52.8	52.8	52.8	51.2	51.2	51.3	50.7	50.7	50.8	52.8	52.8	52.8	52.8
ASR26	Loi Tung	836864.6	842409.3	52.6	52.6	52.6	52.3	52.4	52.4	51.9	52.0	52.0	50.3	50.3	50.4	52.6	52.6	52.6	52.6
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	65.2	65.2	65.2	68.9	68.9	68.7	70.9	70.9	70.9	76.7	76.7	76.7	76.7	76.7	76.7	76.7
			sub-max:	65.2	65.2	65.2	68.9	68.9	68.7	70.9	70.9	70.9	76.7	76.7	76.7	76.7	76.7	76.7	
			max:	76.7															
			% AQO:	51%															

Appendix 3.8: Predicted annual averaged NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 1 — ASP On

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	49.8	49.8	49.8	49.5	49.5	49.5	49.4	49.4	49.4	49.4	49.4	49.4	49.8	49.8	49.8	49.8
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	49.7	49.7	49.7	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7	49.7	49.7	49.7
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	49.8	49.8	49.8	49.6	49.6	49.6	49.4	49.4	49.4	49.3	49.3	49.3	49.8	49.8	49.8	49.8
ASR4	Man Uk Pin	836921.6	843050.8	49.4	49.4	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.5	49.5
ASR5	Man Uk Pin	836792.7	842938.7	49.5	49.5	49.6	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.6	49.6
ASR6	Miu Keng	836499.0	843079.2	49.5	49.5	49.5	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR7	Heung Yuen Wai	834949.2	845805.6	49.4	49.4	49.5	49.4	49.4	49.4	49.5	49.5	49.5	49.4	49.4	49.4	49.5	49.5	49.5	49.5
ASR8	Tsung Yuen Ha	834261.5	845788.0	49.3	49.3	49.3	49.4	49.5	49.5	49.7	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9
ASR9	Ha Heung Yuen	834772.4	845729.4	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
ASR10	Lin Ma Hang	836866.1	845495.2	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.7	49.7	49.8	49.7	49.7	49.8	49.8
ASR11	Tung Lo Hang	834944.3	844920.6	49.6	49.7	49.9	49.7	49.7	49.9	50.1	50.1	50.4	50.2	50.2	50.5	50.2	50.2	50.5	50.5
ASR12	Chuk Yuen	833927.6	845623.5	49.4	49.4	49.4	49.7	49.7	49.7	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4
ASR13	Nga Yiu Ha	834681.8	844507.7	49.7	49.7	49.7	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.8	49.7	49.7	49.8	49.8
ASR14	Ping Yeung	834932.5	844083.2	49.8	49.9	49.9	49.9	49.9	49.9	49.7	49.7	49.7	49.6	49.6	49.6	49.9	49.9	49.9	49.9
ASR15	Ping Che	834781.0	842892.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
ASR16	Ping Che Kat Tin	834638.8	843162.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
ASR17	Kan Tau Wai	833565.4	844380.1	49.8	49.8	49.8	49.7	49.7	49.7	49.4	49.4	49.4	49.3	49.3	49.3	49.8	49.8	49.8	49.8
ASR18	Tong Fong	833659.8	844135.4	49.6	49.6	49.6	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR19	Fung Wong Wu	833278.7	844149.0	49.7	49.7	49.7	49.6	49.6	49.6	49.3	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
ASR20	Lei Uk	833432.9	843932.5	49.6	49.6	49.6	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR21	Chow Tin Tsuen	833071.0	844042.5	49.7	49.7	49.7	49.6	49.6	49.6	49.3	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
ASR22	Tai Po Tin	833816.5	843106.9	49.5	49.5	49.5	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5
ASR23	Ha Shan Kai Wat	833911.2	842536.3	49.4	49.4	49.4	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	49.5	49.5	49.5	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5
ASR25	Tai Tong Wu	836212.0	842390.6	49.6	49.6	49.6	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR26	Loi Tung	836864.6	842409.3	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	49.7	49.7	49.7	49.8	49.8	49.8	50.0	50.0	50.0	49.9	49.9	49.9	50.0	50.0	50.0	50.0
			sub-max:	49.8	49.9	49.9	49.9	49.9	49.9	50.2	50.2	50.4	50.4	50.4	50.5	50.4	50.4	50.5	
			max:	50.5															
			% AQO:	63%															

Appendix 3.8: Predicted 1-hr SO2 concentration (ug/m3) at ASRs (with background 13.8 ug/m3)

Case 1 — ASP On

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	23.0	23.0	23.0	22.9	22.9	22.9	22.2	22.3	22.6	23.0	23.0	23.0	23.0	23.0	23.0	23.0
ASR2	835474.5	843463.0	20.8	20.8	20.8	21.5	21.5	21.5	21.1	21.1	21.1	21.2	21.2	21.2	21.5	21.5	21.5	21.5
ASR3	836139.2	843267.7	23.0	23.0	23.0	23.7	23.7	23.7	23.7	23.7	23.7	23.2	23.2	23.2	23.7	23.7	23.7	23.7
ASR4	836921.6	843050.8	22.1	22.1	22.1	22.1	22.1	22.1	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
ASR5	836792.7	842938.7	22.2	22.2	22.2	22.2	22.2	22.2	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
ASR6	836499.0	843079.2	21.8	21.8	21.8	22.9	22.9	22.9	22.9	22.9	22.9	22.5	22.5	22.5	22.9	22.9	22.9	22.9
ASR7	834949.2	845805.6	23.1	23.1	23.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.5	23.1	23.1	23.1	23.1
ASR8	834261.5	845788.0	26.2	26.2	26.2	23.3	23.3	23.3	26.7	26.7	26.7	27.4	27.4	27.4	27.4	27.4	27.4	27.4
ASR9	834772.4	845729.4	23.9	23.9	23.9	23.7	23.7	23.7	24.0	24.0	24.0	23.7	23.7	23.7	24.0	24.0	24.0	24.0
ASR10	836866.1	845495.2	28.9	29.9	33.2	28.8	29.7	33.1	28.7	29.7	33.1	28.8	29.8	33.2	28.9	29.9	33.2	33.2
ASR11	834944.3	844920.6	20.2	20.4	21.3	21.2	21.2	21.2	20.7	20.7	21.0	21.2	21.2	21.2	21.2	21.2	21.3	21.3
ASR12	833927.6	845623.5	23.8	23.8	23.8	26.5	26.5	26.5	25.4	25.4	25.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5
ASR13	834681.8	844507.7	22.2	22.2	22.2	22.0	22.0	22.0	22.0	22.1	22.1	21.9	21.9	22.0	22.2	22.2	22.2	22.2
ASR14	834932.5	844083.2	22.9	22.9	22.9	21.7	21.7	21.7	22.5	22.5	22.5	22.5	22.5	22.5	22.9	22.9	22.9	22.9
ASR15	834781.0	842892.0	19.5	19.5	19.5	19.2	19.2	19.2	18.8	18.8	18.8	19.5	19.5	19.5	19.5	19.5	19.5	19.5
ASR16	834638.8	843162.0	19.0	19.0	19.0	19.4	19.4	19.4	19.1	19.1	19.1	19.6	19.6	19.6	19.6	19.6	19.6	19.6
ASR17	833565.4	844380.1	20.0	20.0	20.0	18.9	18.9	18.9	21.1	21.1	21.1	19.4	19.4	19.4	21.1	21.1	21.1	21.1
ASR18	833659.8	844135.4	20.8	20.8	20.8	20.1	20.1	20.1	19.9	19.9	19.9	19.8	19.8	19.8	20.8	20.8	20.8	20.8
ASR19	833278.7	844149.0	19.4	19.4	19.4	18.7	18.7	18.7	20.3	20.3	20.3	19.0	19.0	19.0	20.3	20.3	20.3	20.3
ASR20	833432.9	843932.5	20.0	20.0	20.0	19.4	19.4	19.4	19.5	19.5	19.5	19.1	19.1	19.1	20.0	20.0	20.0	20.0
ASR21	833071.0	844042.5	19.3	19.3	19.3	18.6	18.6	18.6	19.9	19.9	19.9	19.1	19.1	19.1	19.9	19.9	19.9	19.9
ASR22	833816.5	843106.9	19.3	19.3	19.3	18.9	18.9	18.9	18.7	18.7	18.7	19.2	19.2	19.2	19.3	19.3	19.3	19.3
ASR23	833911.2	842536.3	19.1	19.1	19.1	18.6	18.6	18.6	18.8	18.8	18.8	19.1	19.1	19.1	19.1	19.1	19.1	19.1
ASR24	833589.5	842617.4	19.0	19.0	19.0	18.5	18.5	18.5	18.7	18.7	18.7	18.8	18.8	18.8	19.0	19.0	19.0	19.0
ASR25	836212.0	842390.6	21.2	21.2	21.2	21.2	21.2	21.2	19.8	19.8	19.8	20.9	20.9	20.9	21.2	21.2	21.2	21.2
ASR26	836864.6	842409.3	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
ASR27	836737.6	845023.5	49.6	49.7	50.0	50.0	50.1	50.4	49.5	49.6	49.9	49.0	49.2	49.5	50.0	50.1	50.4	50.4
		sub-max:	49.6	49.7	50.0	50.0	50.1	50.4	49.5	49.6	49.9	49.0	49.2	49.5	50.0	50.1	50.4	
		max:	50.4															
		% AQO:	6%															

Appendix 3.8: Predicted 24-hr averaged SO2 concentration (ug/m3) at ASRs (with background 13.8 ug/m3)

Case 1 – ASP On

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	16.1	16.1	16.3	16.2	16.3	16.4	16.5	16.5	16.6	14.9	14.9	15.1	16.5	16.5	16.6	16.6
ASR2	835474.5	843463.0	15.7	15.8	15.8	16.0	16.0	16.1	15.3	15.3	15.3	14.9	14.9	14.9	16.0	16.0	16.1	16.1
ASR3	836139.2	843267.7	16.8	16.8	16.9	16.8	16.9	17.0	16.6	16.6	16.6	15.7	15.8	16.1	16.8	16.9	17.0	17.0
ASR4	836921.6	843050.8	16.3	16.4	16.5	15.9	15.9	15.9	14.5	14.5	14.5	14.7	14.7	14.8	16.3	16.4	16.5	16.5
ASR5	836792.7	842938.7	17.1	17.2	17.4	15.9	16.0	16.0	15.1	15.1	15.3	15.1	15.2	15.4	17.1	17.2	17.4	17.4
ASR6	836499.0	843079.2	15.9	15.9	16.0	15.3	15.3	15.3	14.9	14.9	14.9	14.6	14.6	14.6	15.9	15.9	16.0	16.0
ASR7	834949.2	845805.6	15.6	15.6	15.6	15.6	15.6	15.6	15.2	15.2	15.2	15.4	15.4	15.4	15.6	15.6	15.6	15.6
ASR8	834261.5	845788.0	15.3	15.3	15.3	15.8	15.8	15.8	16.2	16.2	16.4	16.2	16.3	16.4	16.2	16.3	16.4	16.4
ASR9	834772.4	845729.4	15.1	15.1	15.2	15.7	15.7	15.8	15.4	15.4	15.5	15.6	15.6	15.6	15.7	15.7	15.8	15.8
ASR10	836866.1	845495.2	15.3	15.3	15.5	19.1	19.4	20.4	19.1	19.3	20.3	19.4	19.7	20.8	19.4	19.7	20.8	20.8
ASR11	834944.3	844920.6	14.7	14.8	15.2	15.6	15.6	15.7	15.3	15.4	15.4	15.0	15.0	15.1	15.6	15.6	15.7	15.7
ASR12	833927.6	845623.5	15.1	15.1	15.2	16.2	16.2	16.3	16.0	16.0	16.0	16.3	16.3	16.4	16.3	16.3	16.4	16.4
ASR13	834681.8	844507.7	15.9	16.0	16.0	15.3	15.3	15.3	15.5	15.5	15.6	15.6	15.6	15.8	15.9	16.0	16.0	16.0
ASR14	834932.5	844083.2	17.0	17.1	17.2	17.2	17.2	17.4	17.2	17.3	17.5	15.5	15.5	15.5	17.2	17.3	17.5	17.5
ASR15	834781.0	842892.0	15.8	15.8	15.8	16.0	16.0	16.0	16.0	16.0	16.0	15.1	15.1	15.1	16.0	16.0	16.0	16.0
ASR16	834638.8	843162.0	16.3	16.3	16.3	16.3	16.3	16.3	15.7	15.8	15.8	15.8	15.9	15.9	16.3	16.3	16.3	16.3
ASR17	833565.4	844380.1	15.1	15.1	15.1	15.0	15.0	15.0	14.7	14.7	14.7	14.5	14.5	14.6	15.1	15.1	15.1	15.1
ASR18	833659.8	844135.4	14.8	14.8	14.8	14.6	14.6	14.6	14.5	14.5	14.5	14.8	14.8	14.9	14.8	14.8	14.9	14.9
ASR19	833278.7	844149.0	14.9	14.9	14.9	14.9	14.9	14.9	14.6	14.6	14.6	14.5	14.5	14.6	14.9	14.9	14.9	14.9
ASR20	833432.9	843932.5	14.8	14.8	14.8	14.6	14.6	14.7	14.4	14.4	14.5	14.9	14.9	14.9	14.9	14.9	14.9	14.9
ASR21	833071.0	844042.5	15.0	15.0	15.0	14.9	14.9	14.9	14.6	14.6	14.6	14.5	14.5	14.6	15.0	15.0	15.0	15.0
ASR22	833816.5	843106.9	15.6	15.7	15.7	14.9	14.9	14.9	15.0	15.0	15.0	15.5	15.5	15.6	15.6	15.7	15.7	15.7
ASR23	833911.2	842536.3	15.4	15.4	15.5	15.4	15.4	15.5	15.9	15.9	15.9	15.7	15.7	15.7	15.9	15.9	15.9	15.9
ASR24	833589.5	842617.4	16.0	16.0	16.1	14.9	14.9	15.0	15.1	15.1	15.1	15.6	15.6	15.7	16.0	16.0	16.1	16.1
ASR25	836212.0	842390.6	15.4	15.4	15.4	15.6	15.6	15.6	15.3	15.3	15.3	14.8	14.8	14.8	15.6	15.6	15.6	15.6
ASR26	836864.6	842409.3	15.4	15.4	15.4	15.5	15.5	15.5	15.1	15.1	15.1	14.6	14.6	14.6	15.5	15.5	15.5	15.5
ASR27	836737.6	845023.5	22.0	22.0	22.1	24.1	24.1	24.2	24.7	24.8	24.9	28.1	28.2	28.3	28.1	28.2	28.3	28.3
		sub-max:	22.0	22.0	22.1	24.1	24.1	24.2	24.7	24.8	24.9	28.1	28.2	28.3	28.1	28.2	28.3	
		max:	28.3															
		% AQO:	8%															

Appendix 3.8: Predicted annual averaged SO2 concentration (ug/m3) at ASRs (with background 13.8 ug/m3)

Case 1 – ASP On

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR2	835474.5	843463.0	14.1	14.1	14.1	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR3	836139.2	843267.7	14.1	14.1	14.1	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR4	836921.6	843050.8	13.9	13.9	13.9	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9
ASR5	836792.7	842938.7	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0
ASR6	836499.0	843079.2	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0
ASR7	834949.2	845805.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
ASR8	834261.5	845788.0	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1
ASR9	834772.4	845729.4	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	13.9	13.9	14.0	14.0
ASR10	836866.1	845495.2	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1
ASR11	834944.3	844920.6	13.9	13.9	14.0	13.9	13.9	14.0	14.0	14.1	14.1	14.1	14.1	14.2	14.1	14.1	14.2	14.2
ASR12	833927.6	845623.5	13.9	13.9	13.9	14.0	14.0	14.0	14.3	14.3	14.3	14.4	14.4	14.5	14.4	14.4	14.5	14.5
ASR13	834681.8	844507.7	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
ASR14	834932.5	844083.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.1	14.1	14.1
ASR15	834781.0	842892.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ASR16	834638.8	843162.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ASR17	833565.4	844380.1	14.1	14.1	14.2	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.2	14.2
ASR18	833659.8	844135.4	14.1	14.1	14.1	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR19	833278.7	844149.0	14.1	14.1	14.1	14.0	14.0	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR20	833432.9	843932.5	14.1	14.1	14.1	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.9	14.1	14.1	14.1	14.1
ASR21	833071.0	844042.5	14.1	14.1	14.1	14.0	14.1	14.1	13.9	13.9	13.9	13.8	13.8	13.8	14.1	14.1	14.1	14.1
ASR22	833816.5	843106.9	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0
ASR23	833911.2	842536.3	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ASR24	833589.5	842617.4	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0
ASR25	836212.0	842390.6	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0
ASR26	836864.6	842409.3	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0
ASR27	836737.6	845023.5	14.0	14.0	14.0	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
		sub-max:	14.1	14.1	14.2	14.1	14.1	14.1	14.3	14.3	14.3	14.4	14.4	14.5	14.4	14.4	14.5	
		max:	14.5															
		% AQO:	18%															

Appendix 3.8: Predicted 1-hr NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 2 — ASP Off

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	70.1	70.1	70.1	69.9	69.9	69.9	68.5	68.7	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	59.2	59.2	59.2	59.2	59.2	59.1	58.9	58.9	58.9	57.8	57.8	57.8	59.2	59.2	59.2	59.2
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	67.2	67.3	67.3	67.0	67.0	67.2	66.9	66.9	67.0	66.8	66.8	66.9	67.2	67.3	67.3	67.3
ASR4	Man Uk Pin	836921.6	843050.8	64.1	64.1	64.2	63.8	63.8	64.0	63.8	63.8	64.0	62.8	62.8	63.0	64.1	64.1	64.2	64.2
ASR5	Man Uk Pin	836792.7	842938.7	63.7	63.8	63.9	63.6	63.6	63.7	63.7	63.7	63.8	63.0	63.1	63.2	63.7	63.8	63.9	63.9
ASR6	Miu Keng	836499.0	843079.2	58.1	58.1	58.2	58.0	58.0	58.0	58.0	58.0	58.1	57.4	57.5	57.6	58.1	58.1	58.2	58.2
ASR7	Heung Yuen Wai	834949.2	845805.6	68.8	68.8	68.9	68.7	68.7	68.8	68.8	68.8	68.9	68.8	68.8	68.9	68.8	68.8	68.9	68.9
ASR8	Tsung Yuen Ha	834261.5	845788.0	68.3	68.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
ASR9	Ha Heung Yuen	834772.4	845729.4	70.5	70.5	70.7	70.5	70.5	70.6	70.6	70.7	70.8	70.7	70.7	70.9	70.7	70.7	70.9	70.9
ASR10	Lin Ma Hang	836866.1	845495.2	75.6	75.6	81.7	76.0	76.1	81.5	76.2	76.2	81.6	76.0	76.0	81.9	76.2	76.2	81.9	81.9
ASR11	Tung Lo Hang	834944.3	844920.6	75.0	76.4	80.9	74.4	75.9	80.4	74.8	76.3	80.8	74.6	76.0	80.4	75.0	76.4	80.9	80.9
ASR12	Chuk Yuen	833927.6	845623.5	64.0	64.0	64.0	64.0	64.0	64.0	63.5	63.5	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0
ASR13	Nga Yiu Ha	834681.8	844507.7	68.4	68.4	68.5	68.1	68.1	68.2	68.2	68.3	68.3	67.9	67.9	68.1	68.4	68.4	68.5	68.5
ASR14	Ping Yeung	834932.5	844083.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
ASR15	Ping Che	834781.0	842892.0	55.0	55.0	55.0	54.5	54.5	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
ASR16	Ping Che Kat Tin	834638.8	843162.0	60.1	60.1	60.3	59.9	60.0	60.2	60.0	60.0	60.3	59.9	60.0	60.2	60.1	60.1	60.3	60.3
ASR17	Kan Tau Wai	833565.4	844380.1	60.1	60.1	60.1	59.5	59.5	59.5	59.8	59.8	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1
ASR18	Tong Fong	833659.8	844135.4	58.6	58.6	58.6	58.1	58.1	58.1	58.8	58.8	58.8	58.3	58.3	58.3	58.8	58.8	58.8	58.8
ASR19	Fung Wong Wu	833278.7	844149.0	58.9	58.9	58.8	58.2	58.2	58.2	58.5	58.5	58.5	58.8	58.8	58.8	58.9	58.9	58.8	58.9
ASR20	Lei Uk	833432.9	843932.5	57.5	57.5	57.5	56.3	56.3	56.3	57.8	57.8	57.8	57.3	57.3	57.3	57.8	57.8	57.8	57.8
ASR21	Chow Tin Tsuen	833071.0	844042.5	57.9	58.0	58.1	57.8	57.9	58.1	57.6	57.6	57.8	57.7	57.7	57.9	57.9	58.0	58.1	58.1
ASR22	Tai Po Tin	833816.5	843106.9	59.1	59.2	59.3	59.0	59.1	59.2	59.1	59.1	59.3	59.0	59.0	59.2	59.1	59.2	59.3	59.3
ASR23	Ha Shan Kai Wat	833911.2	842536.3	57.2	57.3	57.3	57.1	57.2	57.3	57.1	57.1	57.2	57.1	57.2	57.2	57.2	57.3	57.3	57.3
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	59.8	59.8	59.9	59.8	59.9	60.0	59.7	59.7	59.8	59.8	59.8	59.9	59.8	59.9	60.0	60.0
ASR25	Tai Tong Wu	836212.0	842390.6	55.0	55.0	55.1	55.0	55.0	55.1	54.9	54.9	55.0	54.9	54.9	54.9	55.0	55.0	55.1	55.1
ASR26	Loi Tung	836864.6	842409.3	57.5	57.5	57.6	57.5	57.5	57.6	57.4	57.4	57.5	57.4	57.4	57.4	57.5	57.5	57.6	57.6
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	109.9	109.6	108.7	110.2	109.9	108.9	110.1	109.8	108.8	109.6	109.3	108.4	110.2	109.9	108.9	110.2
			sub-max:	109.9	109.6	108.7	110.2	109.9	108.9	110.1	109.8	108.8	109.6	109.3	108.4	110.2	109.9	108.9	
			max:	110.2															
			% AQO:	37%															

Appendix 3.8: Predicted 24-hr averaged NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 2 — ASP Off

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	54.4	54.5	54.8	54.8	54.9	55.3	55.2	55.3	55.6	51.7	51.8	52.1	55.2	55.3	55.6	55.6
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	52.6	52.6	52.6	53.6	53.6	53.7	51.5	51.6	51.6	51.4	51.4	51.5	53.6	53.6	53.7	53.7
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	55.9	55.9	56.0	55.9	55.9	56.0	55.3	55.3	55.3	52.6	52.8	53.5	55.9	55.9	56.0	56.0
ASR4	Man Uk Pin	836921.6	843050.8	53.3	53.3	53.6	53.4	53.4	53.4	50.3	50.4	50.5	51.1	51.2	51.4	53.4	53.4	53.6	53.6
ASR5	Man Uk Pin	836792.7	842938.7	54.0	54.1	54.4	53.2	53.2	53.2	51.4	51.5	51.8	51.8	51.9	52.3	54.0	54.1	54.4	54.4
ASR6	Miu Keng	836499.0	843079.2	52.6	52.6	52.7	52.0	52.0	52.0	51.4	51.4	51.4	50.3	50.3	50.4	52.6	52.6	52.7	52.7
ASR7	Heung Yuen Wai	834949.2	845805.6	52.7	52.7	52.7	52.9	52.9	53.0	52.1	52.1	52.1	52.1	52.1	52.1	52.9	52.9	53.0	53.0
ASR8	Tsung Yuen Ha	834261.5	845788.0	51.9	51.9	52.0	52.3	52.3	52.3	53.9	54.0	54.3	54.2	54.3	54.6	54.2	54.3	54.6	54.6
ASR9	Ha Heung Yuen	834772.4	845729.4	52.1	52.1	52.2	53.3	53.4	53.6	52.4	52.4	52.6	52.4	52.4	52.4	53.3	53.4	53.6	53.6
ASR10	Lin Ma Hang	836866.1	845495.2	52.0	52.1	52.3	58.3	58.9	60.9	58.4	59.0	60.7	58.6	59.2	61.2	58.6	59.2	61.2	61.2
ASR11	Tung Lo Hang	834944.3	844920.6	54.3	54.7	56.1	54.8	54.9	55.3	54.2	54.5	57.2	53.6	54.1	55.6	54.8	54.9	57.2	57.2
ASR12	Chuk Yuen	833927.6	845623.5	51.8	51.8	51.9	54.1	54.1	54.3	53.6	53.6	53.8	54.3	54.4	54.5	54.3	54.4	54.5	54.5
ASR13	Nga Yiu Ha	834681.8	844507.7	53.9	54.0	54.0	52.0	52.0	52.0	52.2	52.3	52.4	53.1	53.2	53.5	53.9	54.0	54.0	54.0
ASR14	Ping Yeung	834932.5	844083.2	56.1	56.2	56.5	56.0	56.1	56.5	56.4	56.6	57.0	52.9	53.0	53.0	56.4	56.6	57.0	57.0
ASR15	Ping Che	834781.0	842892.0	51.7	51.7	51.7	52.1	52.1	52.1	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1
ASR16	Ping Che Kat Tin	834638.8	843162.0	54.1	54.1	54.2	54.0	54.0	54.0	52.7	52.7	52.8	53.5	53.6	53.6	54.1	54.1	54.2	54.2
ASR17	Kan Tau Wai	833565.4	844380.1	51.4	51.4	51.5	51.2	51.2	51.3	50.4	50.4	50.4	50.4	50.4	50.4	51.4	51.4	51.5	51.5
ASR18	Tong Fong	833659.8	844135.4	50.8	50.8	50.8	50.4	50.4	50.4	50.1	50.1	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9
ASR19	Fung Wong Wu	833278.7	844149.0	51.4	51.4	51.5	50.9	50.9	51.0	50.2	50.2	50.2	50.5	50.5	50.5	51.4	51.4	51.5	51.5
ASR20	Lei Uk	833432.9	843932.5	50.7	50.7	50.7	50.3	50.3	50.3	50.2	50.2	50.2	50.9	50.9	50.9	50.9	50.9	50.9	50.9
ASR21	Chow Tin Tsuen	833071.0	844042.5	51.4	51.4	51.4	50.9	50.9	50.9	50.2	50.2	50.2	50.4	50.4	50.4	51.4	51.4	51.4	51.4
ASR22	Tai Po Tin	833816.5	843106.9	53.3	53.4	53.5	50.9	50.9	50.9	51.3	51.3	51.3	51.9	51.9	52.0	53.3	53.4	53.5	53.5
ASR23	Ha Shan Kai Wat	833911.2	842536.3	51.0	51.0	51.0	51.0	51.0	51.1	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	54.1	54.1	54.3	50.9	50.9	50.9	51.2	51.2	51.2	51.9	51.9	51.9	54.1	54.1	54.3	54.3
ASR25	Tai Tong Wu	836212.0	842390.6	51.8	51.8	51.8	52.4	52.4	52.5	50.8	50.8	50.9	50.6	50.6	50.7	52.4	52.4	52.5	52.5
ASR26	Loi Tung	836864.6	842409.3	52.4	52.4	52.4	52.2	52.2	52.3	51.8	51.8	51.8	50.2	50.3	50.3	52.4	52.4	52.4	52.4
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	63.1	63.0	62.8	69.3	69.3	69.2	69.1	69.1	69.0	73.0	72.9	72.6	73.0	72.9	72.6	73.0
			sub-max:	63.1	63.0	62.8	69.3	69.3	69.2	69.1	69.1	69.0	73.0	72.9	72.6	73.0	72.9	72.6	
			max:	73.0															
			% AQO:	49%															

Appendix 3.8: Predicted annual averaged NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 2 — ASP Off

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	49.7	49.7	49.8	49.5	49.5	49.5	49.4	49.4	49.4	49.4	49.4	49.4	49.7	49.7	49.8	49.8
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	49.6	49.6	49.7	49.5	49.5	49.5	49.4	49.4	49.5	49.4	49.5	49.5	49.6	49.6	49.7	49.7
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	49.8	49.8	49.8	49.6	49.6	49.6	49.4	49.4	49.4	49.3	49.3	49.3	49.8	49.8	49.8	49.8
ASR4	Man Uk Pin	836921.6	843050.8	49.4	49.4	49.4	49.3	49.3	49.3	49.2	49.2	49.2	49.2	49.2	49.3	49.4	49.4	49.4	49.4
ASR5	Man Uk Pin	836792.7	842938.7	49.5	49.5	49.5	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR6	Miu Keng	836499.0	843079.2	49.5	49.5	49.5	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR7	Heung Yuen Wai	834949.2	845805.6	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.4	49.4	49.4	49.4	49.4	49.5	49.5
ASR8	Tsung Yuen Ha	834261.5	845788.0	49.3	49.3	49.3	49.4	49.4	49.5	49.6	49.6	49.7	49.8	49.8	49.9	49.8	49.8	49.9	49.9
ASR9	Ha Heung Yuen	834772.4	845729.4	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
ASR10	Lin Ma Hang	836866.1	845495.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.6	49.6	49.7	49.6	49.6	49.7	49.7
ASR11	Tung Lo Hang	834944.3	844920.6	49.5	49.6	49.7	49.6	49.7	49.9	50.1	50.1	50.4	50.2	50.3	50.5	50.2	50.3	50.5	50.5
ASR12	Chuk Yuen	833927.6	845623.5	49.4	49.4	49.4	49.6	49.6	49.6	50.1	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
ASR13	Nga Yiu Ha	834681.8	844507.7	49.6	49.6	49.7	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
ASR14	Ping Yeung	834932.5	844083.2	49.8	49.8	49.8	49.9	49.9	49.9	49.7	49.7	49.7	49.6	49.6	49.6	49.9	49.9	49.9	49.9
ASR15	Ping Che	834781.0	842892.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
ASR16	Ping Che Kat Tin	834638.8	843162.0	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
ASR17	Kan Tau Wai	833565.4	844380.1	49.7	49.7	49.7	49.6	49.6	49.6	49.3	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
ASR18	Tong Fong	833659.8	844135.4	49.6	49.6	49.6	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR19	Fung Wong Wu	833278.7	844149.0	49.6	49.6	49.6	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR20	Lei Uk	833432.9	843932.5	49.5	49.5	49.6	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.6	49.6
ASR21	Chow Tin Tsuen	833071.0	844042.5	49.6	49.6	49.6	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR22	Tai Po Tin	833816.5	843106.9	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5
ASR23	Ha Shan Kai Wat	833911.2	842536.3	49.3	49.3	49.4	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	49.4	49.4	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.5
ASR25	Tai Tong Wu	836212.0	842390.6	49.5	49.5	49.5	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR26	Loi Tung	836864.6	842409.3	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.2	49.2	49.2	49.4	49.4	49.4	49.4
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	49.6	49.6	49.6	49.7	49.7	49.7	49.9	49.9	49.9	49.8	49.8	49.8	49.9	49.9	49.9	49.9
			sub-max:	49.8	49.8	49.8	49.9	49.9	49.9	50.1	50.1	50.4	50.3	50.3	50.5	50.3	50.3	50.5	
			max:	50.5															
			% AQO:	63%															

Appendix 3.8: Predicted 1-hr SO2 concentration (ug/m3) at ASRs (with background 13.8 ug/m3)

Case 2 - ASP Off

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	22.7	22.7	22.7	22.6	22.6	22.6	22.0	22.1	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7
ASR2	835474.5	843463.0	25.1	25.1	25.1	23.2	23.2	23.2	25.8	25.8	25.8	23.8	23.8	23.8	25.8	25.8	25.8	25.8
ASR3	836139.2	843267.7	23.9	23.9	23.9	24.4	24.4	24.4	25.1	25.1	25.1	22.9	22.9	22.9	25.1	25.1	25.1	25.1
ASR4	836921.6	843050.8	22.9	22.9	22.9	22.3	22.3	22.3	22.3	22.3	22.3	21.4	21.4	21.4	22.9	22.9	22.9	22.9
ASR5	836792.7	842938.7	23.1	23.1	23.1	21.1	21.1	21.1	21.1	21.1	21.1	20.7	20.7	20.7	23.1	23.1	23.1	23.1
ASR6	836499.0	843079.2	24.1	24.1	24.1	22.5	22.5	22.5	21.9	21.9	21.9	21.5	21.5	21.5	24.1	24.1	24.1	24.1
ASR7	834949.2	845805.6	22.2	22.2	22.2	22.1	22.1	22.2	23.4	23.4	23.4	22.1	22.2	22.2	23.4	23.4	23.4	23.4
ASR8	834261.5	845788.0	26.0	26.0	26.0	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
ASR9	834772.4	845729.4	23.1	23.2	23.2	23.1	23.1	23.2	25.5	25.5	25.4	23.2	23.2	23.3	25.5	25.5	25.4	25.5
ASR10	836866.1	845495.2	25.0	25.1	27.7	25.2	25.3	27.6	25.3	25.3	27.6	25.2	25.3	27.7	25.3	25.3	27.7	27.7
ASR11	834944.3	844920.6	26.4	26.4	26.4	24.0	24.0	24.0	26.4	26.4	26.4	25.7	25.7	25.7	26.4	26.4	26.4	26.4
ASR12	833927.6	845623.5	25.0	25.0	25.0	25.0	25.0	25.0	24.3	24.3	24.3	25.0	25.0	25.0	25.0	25.0	25.0	25.0
ASR13	834681.8	844507.7	22.0	22.0	22.0	22.7	22.7	22.7	23.4	23.4	23.4	24.3	24.3	24.3	24.3	24.3	24.3	24.3
ASR14	834932.5	844083.2	24.3	24.3	24.3	25.4	25.4	25.4	23.4	23.4	23.4	23.9	23.9	23.9	25.4	25.4	25.4	25.4
ASR15	834781.0	842892.0	21.6	21.6	21.6	20.6	20.6	20.6	21.1	21.1	21.1	21.5	21.5	21.5	21.6	21.6	21.6	21.6
ASR16	834638.8	843162.0	20.7	20.7	20.7	19.6	19.6	19.6	21.7	21.7	21.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2
ASR17	833565.4	844380.1	19.5	19.5	19.5	19.8	19.8	19.8	19.8	19.8	19.8	20.5	20.5	20.5	20.5	20.5	20.5	20.5
ASR18	833659.8	844135.4	21.0	21.0	21.0	19.4	19.4	19.4	19.4	19.4	19.4	21.0	21.0	21.0	21.0	21.0	21.0	21.0
ASR19	833278.7	844149.0	20.1	20.1	20.1	19.5	19.5	19.5	19.5	19.5	19.5	20.1	20.1	20.1	20.1	20.1	20.1	20.1
ASR20	833432.9	843932.5	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5
ASR21	833071.0	844042.5	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5
ASR22	833816.5	843106.9	20.2	20.2	20.2	19.3	19.3	19.3	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
ASR23	833911.2	842536.3	19.9	19.9	19.9	19.3	19.3	19.3	19.3	19.3	19.3	19.7	19.7	19.7	19.9	19.9	19.9	19.9
ASR24	833589.5	842617.4	20.6	20.6	20.6	19.7	19.7	19.7	19.4	19.4	19.4	19.8	19.8	19.8	20.6	20.6	20.6	20.6
ASR25	836212.0	842390.6	21.0	21.0	21.0	21.0	21.0	21.0	22.0	22.0	22.0	20.2	20.2	20.2	22.0	22.0	22.0	22.0
ASR26	836864.6	842409.3	21.5	21.5	21.5	20.3	20.3	20.3	20.8	20.8	20.8	20.8	20.8	20.8	21.5	21.5	21.5	21.5
ASR27	836737.6	845023.5	39.7	40.1	41.7	40.1	40.6	42.2	40.2	40.7	42.3	39.6	39.8	41.4	40.2	40.7	42.3	42.3
		sub-max:	39.7	40.1	41.7	40.1	40.6	42.2	40.2	40.7	42.3	39.6	39.8	41.4	40.2	40.7	42.3	
		max:	42.3															
		% AQO:	5%															

Appendix 3.8: Predicted 24-hr averaged SO2 concentration (ug/m3) at ASRs (with backgrour 13.8 ug/m3)

Case 2 - ASP Off

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	16.0	16.1	16.2	16.2	16.3	16.4	16.4	16.4	16.5	15.0	15.0	15.1	16.4	16.4	16.5	16.5
ASR2	835474.5	843463.0	15.4	15.4	15.4	15.7	15.7	15.7	15.4	15.4	15.5	15.2	15.3	15.3	15.7	15.7	15.7	15.7
ASR3	836139.2	843267.7	16.7	16.7	16.8	16.7	16.7	16.7	16.5	16.5	16.6	15.7	15.7	16.0	16.7	16.7	16.8	16.8
ASR4	836921.6	843050.8	16.3	16.4	16.5	15.9	15.9	15.9	14.5	14.5	14.6	14.7	14.7	14.9	16.3	16.4	16.5	16.5
ASR5	836792.7	842938.7	16.3	16.4	16.5	15.6	15.6	15.6	14.9	14.9	15.1	14.9	14.9	15.1	16.3	16.4	16.5	16.5
ASR6	836499.0	843079.2	15.5	15.5	15.5	15.3	15.3	15.3	14.9	14.9	14.9	14.7	14.7	14.7	15.5	15.5	15.5	15.5
ASR7	834949.2	845805.6	15.3	15.3	15.3	15.4	15.4	15.4	15.3	15.3	15.4	15.8	15.8	15.8	15.8	15.8	15.8	15.8
ASR8	834261.5	845788.0	15.4	15.4	15.5	15.7	15.7	15.7	16.5	16.6	16.7	16.6	16.6	16.8	16.6	16.6	16.8	16.8
ASR9	834772.4	845729.4	15.1	15.1	15.2	15.6	15.6	15.7	15.4	15.5	15.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7
ASR10	836866.1	845495.2	15.4	15.4	15.6	18.0	18.3	19.2	18.3	18.5	19.3	18.0	18.3	19.2	18.3	18.5	19.3	19.3
ASR11	834944.3	844920.6	14.8	14.9	15.2	16.0	16.1	16.2	15.8	15.8	16.0	15.7	15.7	15.8	16.0	16.1	16.2	16.2
ASR12	833927.6	845623.5	15.1	15.1	15.2	16.6	16.6	16.7	16.3	16.3	16.3	16.6	16.6	16.7	16.6	16.6	16.7	16.7
ASR13	834681.8	844507.7	15.8	15.8	15.9	15.0	15.0	15.0	15.5	15.5	15.5	15.5	15.5	15.7	15.8	15.8	15.9	15.9
ASR14	834932.5	844083.2	16.7	16.8	16.9	16.7	16.8	16.9	16.9	16.9	17.1	15.4	15.4	15.4	16.9	16.9	17.1	17.1
ASR15	834781.0	842892.0	15.0	15.0	15.0	15.0	15.0	15.1	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.1	15.1
ASR16	834638.8	843162.0	15.9	15.9	15.9	15.8	15.8	15.9	15.3	15.3	15.3	15.7	15.7	15.7	15.9	15.9	15.9	15.9
ASR17	833565.4	844380.1	15.0	15.0	15.1	15.1	15.1	15.1	15.2	15.2	15.2	14.7	14.7	14.7	15.2	15.2	15.2	15.2
ASR18	833659.8	844135.4	15.2	15.2	15.2	15.0	15.0	15.0	14.7	14.7	14.7	14.5	14.5	14.5	15.2	15.2	15.2	15.2
ASR19	833278.7	844149.0	15.0	15.1	15.1	14.9	14.9	14.9	14.7	14.7	14.7	14.4	14.4	14.4	15.0	15.1	15.1	15.1
ASR20	833432.9	843932.5	15.3	15.3	15.3	15.1	15.2	15.2	14.6	14.6	14.6	14.5	14.5	14.5	15.3	15.3	15.3	15.3
ASR21	833071.0	844042.5	15.3	15.3	15.3	15.1	15.1	15.1	14.7	14.7	14.7	14.4	14.4	14.4	15.3	15.3	15.3	15.3
ASR22	833816.5	843106.9	15.6	15.6	15.6	14.6	14.6	14.6	14.7	14.7	14.7	15.0	15.0	15.0	15.6	15.6	15.6	15.6
ASR23	833911.2	842536.3	14.8	14.8	14.8	14.6	14.6	14.6	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
ASR24	833589.5	842617.4	15.9	15.9	16.0	14.6	14.6	14.6	14.9	14.9	15.0	15.1	15.1	15.1	15.9	15.9	16.0	16.0
ASR25	836212.0	842390.6	15.3	15.3	15.4	16.1	16.1	16.2	15.8	15.8	15.9	14.7	14.7	14.8	16.1	16.1	16.2	16.2
ASR26	836864.6	842409.3	15.4	15.4	15.4	15.3	15.4	15.4	15.2	15.2	15.2	14.7	14.7	14.7	15.4	15.4	15.4	15.4
ASR27	836737.6	845023.5	21.6	21.7	22.2	28.5	28.8	29.7	29.0	29.2	30.1	28.5	28.7	29.6	29.0	29.2	30.1	30.1
		sub-max:	21.6	21.7	22.2	28.5	28.8	29.7	29.0	29.2	30.1	28.5	28.7	29.6	29.0	29.2	30.1	
		max:	30.1															
		% AQO:	9%															

Appendix 3.8: Predicted annual averaged SO2 concentration (ug/m3) at ASRs (with backgrou 13.8 ug/m3)

Case 2 - ASP Off

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	14.0	14.0	14.1	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.1	14.1
ASR2	835474.5	843463.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ASR3	836139.2	843267.7	14.1	14.2	14.2	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.2	14.2	14.2
ASR4	836921.6	843050.8	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0
ASR5	836792.7	842938.7	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0
ASR6	836499.0	843079.2	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0
ASR7	834949.2	845805.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
ASR8	834261.5	845788.0	13.9	13.9	13.9	13.9	13.9	14.0	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2
ASR9	834772.4	845729.4	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ASR10	836866.1	845495.2	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.1	14.0	14.0	14.1	14.1
ASR11	834944.3	844920.6	13.9	13.9	13.9	14.0	14.0	14.0	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.3	14.3
ASR12	833927.6	845623.5	13.9	13.9	13.9	14.0	14.0	14.0	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.5	14.5	14.5
ASR13	834681.8	844507.7	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
ASR14	834932.5	844083.2	14.2	14.2	14.2	14.2	14.2	14.2	14.0	14.0	14.0	14.0	14.0	14.0	14.2	14.2	14.2	14.2
ASR15	834781.0	842892.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
ASR16	834638.8	843162.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ASR17	833565.4	844380.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR18	833659.8	844135.4	14.1	14.1	14.1	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR19	833278.7	844149.0	14.1	14.1	14.1	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR20	833432.9	843932.5	14.1	14.1	14.1	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR21	833071.0	844042.5	14.1	14.1	14.1	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR22	833816.5	843106.9	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0
ASR23	833911.2	842536.3	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
ASR24	833589.5	842617.4	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0
ASR25	836212.0	842390.6	14.0	14.0	14.0	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0
ASR26	836864.6	842409.3	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	14.0	14.0	14.0	14.0
ASR27	836737.6	845023.5	14.0	14.0	14.0	14.1	14.1	14.2	14.3	14.3	14.3	14.2	14.2	14.2	14.3	14.3	14.3	14.3
		sub-max:	14.2	14.2	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.5	14.5	14.5	14.5	14.5	14.5	
		max:	14.5															
		% AQO:	18%															

Appendix 3.8: Predicted 1-hr NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 3 – LFGES Off

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	59.8	59.8	59.8	59.7	59.7	59.7	58.8	58.9	59.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	58.5	58.5	58.5	59.5	59.5	59.5	59.0	59.0	59.0	59.4	59.4	59.4	59.5	59.5	59.5	59.5
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	62.1	62.1	62.1	62.0	62.0	62.0	61.5	61.5	61.5	60.8	60.8	60.8	62.1	62.1	62.1	62.1
ASR4	Man Uk Pin	836921.6	843050.8	60.9	60.9	60.9	60.5	60.5	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
ASR5	Man Uk Pin	836792.7	842938.7	60.2	60.2	60.2	60.0	60.0	60.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
ASR6	Miu Keng	836499.0	843079.2	59.3	59.3	59.3	61.8	61.8	61.8	61.8	61.8	61.8	61.2	61.2	61.2	61.8	61.8	61.8	61.8
ASR7	Heung Yuen Wai	834949.2	845805.6	61.5	61.5	61.5	61.2	61.2	61.2	61.3	61.3	61.3	59.5	59.5	59.5	61.5	61.5	61.5	61.5
ASR8	Tsung Yuen Ha	834261.5	845788.0	65.2	65.2	65.2	61.9	61.9	61.9	66.0	66.0	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
ASR9	Ha Heung Yuen	834772.4	845729.4	63.7	63.7	63.7	63.3	63.3	63.4	63.9	63.9	63.9	63.4	63.4	63.4	63.9	63.9	63.9	63.9
ASR10	Lin Ma Hang	836866.1	845495.2	66.1	67.2	71.1	65.9	67.1	71.0	65.9	67.1	71.0	66.1	67.3	71.2	66.1	67.3	71.2	71.2
ASR11	Tung Lo Hang	834944.3	844920.6	62.7	63.6	66.3	62.3	63.1	65.8	62.5	63.3	66.1	62.0	62.8	65.3	62.7	63.6	66.3	66.3
ASR12	Chuk Yuen	833927.6	845623.5	61.7	61.7	61.7	65.4	65.4	65.4	63.9	63.9	63.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4
ASR13	Nga Yiu Ha	834681.8	844507.7	59.5	59.5	59.5	59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
ASR14	Ping Yeung	834932.5	844083.2	60.0	60.0	60.0	58.6	58.6	58.6	59.5	59.5	59.5	59.5	59.5	59.5	60.0	60.0	60.0	60.0
ASR15	Ping Che	834781.0	842892.0	57.2	57.2	57.2	56.8	56.8	56.8	55.1	55.1	55.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
ASR16	Ping Che Kat Tin	834638.8	843162.0	55.8	55.8	55.8	56.0	56.0	56.0	56.1	56.1	56.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6
ASR17	Kan Tau Wai	833565.4	844380.1	56.9	56.9	56.9	56.0	56.0	56.0	57.8	57.8	57.8	56.8	56.8	56.8	57.8	57.8	57.8	57.8
ASR18	Tong Fong	833659.8	844135.4	57.3	57.3	57.3	56.5	56.5	56.5	56.7	56.7	56.7	56.6	56.6	56.6	57.3	57.3	57.3	57.3
ASR19	Fung Wong Wu	833278.7	844149.0	56.3	56.3	56.3	55.8	55.8	55.8	56.9	56.9	56.9	56.5	56.5	56.5	56.9	56.9	56.9	56.9
ASR20	Lei Uk	833432.9	843932.5	56.5	56.5	56.5	55.7	55.7	55.7	56.3	56.3	56.3	55.9	55.9	55.9	56.5	56.5	56.5	56.5
ASR21	Chow Tin Tsuen	833071.0	844042.5	56.3	56.3	56.3	56.0	56.0	56.0	56.4	56.4	56.4	56.1	56.1	56.1	56.4	56.4	56.4	56.4
ASR22	Tai Po Tin	833816.5	843106.9	55.9	55.9	55.9	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
ASR23	Ha Shan Kai Wat	833911.2	842536.3	55.5	55.5	55.5	55.3	55.3	55.3	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	55.8	55.8	55.8	55.4	55.4	55.4	55.8	55.8	55.8	55.6	55.6	55.6	55.8	55.8	55.8	55.8
ASR25	Tai Tong Wu	836212.0	842390.6	58.7	58.7	58.7	58.7	58.7	58.7	57.9	57.9	57.9	58.2	58.2	58.2	58.7	58.7	58.7	58.7
ASR26	Loi Tung	836864.6	842409.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	90.5	90.7	91.3	91.0	91.2	91.7	90.5	90.7	91.3	89.9	90.1	90.6	91.0	91.2	91.7	91.7
			sub-max:	90.5	90.7	91.3	91.0	91.2	91.7	90.5	90.7	91.3	89.9	90.1	90.6	91.0	91.2	91.7	
			max:	91.7															
			% AQO:	31%															

Appendix 3.8: Predicted 24-hr averaged NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 3 — LFGES Off

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	51.8	51.9	52.0	51.9	52.0	52.1	52.2	52.3	52.4	51.0	51.1	51.1	52.2	52.3	52.4	52.4
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	51.5	51.6	51.6	51.7	51.7	51.8	51.5	51.5	51.6	51.5	51.5	51.6	51.7	51.7	51.8	51.8
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	53.3	53.3	53.4	53.2	53.2	53.3	52.9	52.9	52.9	52.1	52.2	52.5	53.3	53.3	53.4	53.4
ASR4	Man Uk Pin	836921.6	843050.8	53.1	53.2	53.5	52.4	52.4	52.5	50.2	50.2	50.4	50.5	50.6	50.8	53.1	53.2	53.5	53.5
ASR5	Man Uk Pin	836792.7	842938.7	53.4	53.5	53.8	52.0	52.0	52.1	51.1	51.1	51.3	50.8	50.9	51.1	53.4	53.5	53.8	53.8
ASR6	Miu Keng	836499.0	843079.2	52.1	52.1	52.1	51.6	51.6	51.6	51.1	51.1	51.1	50.4	50.4	50.5	52.1	52.1	52.1	52.1
ASR7	Heung Yuen Wai	834949.2	845805.6	51.3	51.3	51.4	51.3	51.3	51.3	51.0	51.0	51.0	51.4	51.4	51.5	51.4	51.4	51.5	51.5
ASR8	Tsung Yuen Ha	834261.5	845788.0	51.2	51.2	51.2	51.9	51.9	51.9	52.7	52.7	52.9	52.7	52.8	53.0	52.7	52.8	53.0	53.0
ASR9	Ha Heung Yuen	834772.4	845729.4	51.0	51.0	51.0	51.4	51.4	51.5	51.2	51.2	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5
ASR10	Lin Ma Hang	836866.1	845495.2	51.7	51.8	52.1	55.7	56.1	57.5	55.5	55.8	56.9	56.1	56.5	57.8	56.1	56.5	57.8	57.8
ASR11	Tung Lo Hang	834944.3	844920.6	51.7	51.9	52.6	55.0	55.0	55.2	54.3	54.3	54.4	53.1	53.1	53.2	55.0	55.0	55.2	55.2
ASR12	Chuk Yuen	833927.6	845623.5	51.0	51.0	51.1	52.9	52.9	53.1	52.3	52.3	52.4	52.7	52.8	52.9	52.9	52.9	53.1	53.1
ASR13	Nga Yiu Ha	834681.8	844507.7	51.7	51.7	51.8	51.1	51.1	51.1	51.1	51.1	51.2	51.3	51.3	51.5	51.7	51.7	51.8	51.8
ASR14	Ping Yeung	834932.5	844083.2	52.9	53.0	53.1	53.1	53.2	53.4	53.1	53.2	53.4	51.2	51.2	51.2	53.1	53.2	53.4	53.4
ASR15	Ping Che	834781.0	842892.0	51.5	51.5	51.6	51.8	51.8	51.8	51.7	51.7	51.7	50.9	50.9	50.9	51.8	51.8	51.8	51.8
ASR16	Ping Che Kat Tin	834638.8	843162.0	52.2	52.2	52.3	52.1	52.1	52.2	51.6	51.6	51.6	51.7	51.7	51.8	52.2	52.2	52.3	52.3
ASR17	Kan Tau Wai	833565.4	844380.1	51.2	51.2	51.2	51.1	51.1	51.1	50.8	50.8	50.8	50.2	50.2	50.2	51.2	51.2	51.2	51.2
ASR18	Tong Fong	833659.8	844135.4	50.9	50.9	51.0	50.5	50.5	50.6	50.1	50.1	50.1	50.4	50.4	50.4	50.9	50.9	51.0	51.0
ASR19	Fung Wong Wu	833278.7	844149.0	50.8	50.8	50.8	50.9	50.9	50.9	50.4	50.4	50.4	50.1	50.1	50.2	50.9	50.9	50.9	50.9
ASR20	Lei Uk	833432.9	843932.5	51.0	51.0	51.1	50.7	50.7	50.7	50.1	50.1	50.1	50.5	50.5	50.5	51.0	51.0	51.1	51.1
ASR21	Chow Tin Tsuen	833071.0	844042.5	51.0	51.1	51.1	50.9	50.9	50.9	50.5	50.5	50.5	50.0	50.0	50.1	51.0	51.1	51.1	51.1
ASR22	Tai Po Tin	833816.5	843106.9	51.4	51.4	51.5	50.6	50.6	50.7	50.6	50.6	50.6	51.3	51.3	51.4	51.4	51.4	51.5	51.5
ASR23	Ha Shan Kai Wat	833911.2	842536.3	51.3	51.3	51.3	51.2	51.2	51.3	51.8	51.8	51.9	51.6	51.6	51.6	51.8	51.8	51.9	51.9
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	51.9	51.9	52.0	50.7	50.7	50.8	51.0	51.0	51.1	51.6	51.6	51.7	51.9	51.9	52.0	52.0
ASR25	Tai Tong Wu	836212.0	842390.6	51.8	51.8	51.8	51.8	51.8	51.9	51.7	51.8	51.9	50.7	50.7	50.7	51.8	51.8	51.9	51.9
ASR26	Loi Tung	836864.6	842409.3	51.7	51.7	51.7	51.7	51.7	51.8	51.3	51.4	51.4	50.5	50.5	50.6	51.7	51.7	51.8	51.8
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	60.7	60.8	60.9	71.7	71.8	72.0	71.9	72.0	72.3	71.8	71.9	72.1	71.9	72.0	72.3	72.3
			sub-max:	60.7	60.8	60.9	71.7	71.8	72.0	71.9	72.0	72.3	71.8	71.9	72.1	71.9	72.0	72.3	
			max:	72.3															
			% AQO:	48%															

Appendix 3.8: Predicted annual averaged NO2 concentration (ug/m3) at ASRs (with background 49.2 ug/m3)

Case 3 – LFGES Off

				Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	Description	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	Wo Keng Shan Tsuen	835592.5	844094.1	49.6	49.6	49.6	49.4	49.4	49.4	49.3	49.3	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6
ASR2	Village houses at Junction of Ng Chow Road and Wo Keng Shan Road	835474.5	843463.0	49.6	49.6	49.6	49.5	49.5	49.5	49.4	49.4	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6
ASR3	Cheung Shan Wu Tse	836139.2	843267.7	49.7	49.7	49.8	49.5	49.5	49.5	49.4	49.4	49.4	49.3	49.3	49.3	49.7	49.7	49.8	49.8
ASR4	Man Uk Pin	836921.6	843050.8	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4
ASR5	Man Uk Pin	836792.7	842938.7	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR6	Miu Keng	836499.0	843079.2	49.5	49.5	49.5	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR7	Heung Yuen Wai	834949.2	845805.6	49.4	49.4	49.4	49.3	49.3	49.4	49.4	49.4	49.4	49.3	49.3	49.4	49.4	49.4	49.4	49.4
ASR8	Tsung Yuen Ha	834261.5	845788.0	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7
ASR9	Ha Heung Yuen	834772.4	845729.4	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
ASR10	Lin Ma Hang	836866.1	845495.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
ASR11	Tung Lo Hang	834944.3	844920.6	49.5	49.6	49.7	49.6	49.7	49.8	50.0	50.0	50.2	50.1	50.2	50.4	50.1	50.2	50.4	50.4
ASR12	Chuk Yuen	833927.6	845623.5	49.3	49.3	49.3	49.5	49.5	49.5	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
ASR13	Nga Yiu Ha	834681.8	844507.7	49.5	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.6	49.6	49.7	49.7	49.7	49.7	49.7
ASR14	Ping Yeung	834932.5	844083.2	49.7	49.7	49.8	49.7	49.7	49.7	49.5	49.5	49.5	49.4	49.4	49.4	49.7	49.7	49.8	49.8
ASR15	Ping Che	834781.0	842892.0	49.4	49.4	49.5	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5
ASR16	Ping Che Kat Tin	834638.8	843162.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5
ASR17	Kan Tau Wai	833565.4	844380.1	49.7	49.7	49.7	49.7	49.7	49.7	49.4	49.4	49.4	49.3	49.3	49.3	49.7	49.7	49.7	49.7
ASR18	Tong Fong	833659.8	844135.4	49.6	49.6	49.6	49.6	49.6	49.6	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR19	Fung Wong Wu	833278.7	844149.0	49.7	49.7	49.7	49.6	49.6	49.6	49.3	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
ASR20	Lei Uk	833432.9	843932.5	49.7	49.7	49.7	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
ASR21	Chow Tin Tsuen	833071.0	844042.5	49.7	49.7	49.7	49.6	49.6	49.6	49.3	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
ASR22	Tai Po Tin	833816.5	843106.9	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5
ASR23	Ha Shan Kai Wat	833911.2	842536.3	49.4	49.4	49.4	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
ASR24	Sheung Shan Kai Wat	833589.5	842617.4	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5
ASR25	Tai Tong Wu	836212.0	842390.6	49.6	49.6	49.6	49.4	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.6	49.6
ASR26	Loi Tung	836864.6	842409.3	49.5	49.5	49.5	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.5	49.5	49.5
ASR27	Tong To Shan Tsuen (vacant for the time being)	836737.6	845023.5	49.6	49.6	49.6	49.7	49.7	49.7	50.0	50.0	50.0	49.9	49.9	49.9	50.0	50.0	50.0	50.0
			sub-max:	49.7	49.7	49.8	49.7	49.7	49.8	50.0	50.0	50.2	50.1	50.2	50.4	50.1	50.2	50.4	
			max:	50.4															
			% AQO:	63%															

Appendix 3.8: Predicted 1-hr SO2 concentration (ug/m3) at ASRs (with background 13.8 ug/m3)
Case 3 — LFGES Off

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	25.2	25.2	25.2	25.1	25.1	25.1	25.1	25.1	25.1	24.6	24.6	24.6	25.2	25.2	25.2	25.2
ASR2	835474.5	843463.0	27.1	27.1	27.1	28.5	28.5	28.5	29.0	29.0	29.0	29.7	29.7	29.7	29.7	29.7	29.7	29.7
ASR3	836139.2	843267.7	32.4	32.4	32.4	32.4	32.4	32.4	30.1	30.1	30.1	29.2	29.2	29.2	32.4	32.4	32.4	32.4
ASR4	836921.6	843050.8	31.4	31.4	31.4	31.2	31.2	31.2	31.1	31.1	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4
ASR5	836792.7	842938.7	30.4	30.4	30.4	30.1	30.1	30.1	30.1	30.1	30.1	30.4	30.4	30.4	30.4	30.4	30.4	30.4
ASR6	836499.0	843079.2	28.5	28.5	28.5	31.8	31.8	31.8	31.8	31.8	31.8	30.9	30.9	30.9	31.8	31.8	31.8	31.8
ASR7	834949.2	845805.6	29.5	29.5	29.6	29.1	29.1	29.1	29.2	29.2	29.2	27.2	27.2	27.2	29.5	29.5	29.6	29.6
ASR8	834261.5	845788.0	35.3	35.3	35.3	28.1	28.1	28.2	36.4	36.4	36.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6
ASR9	834772.4	845729.4	31.9	31.9	31.9	31.9	31.9	31.9	32.5	32.5	32.6	31.9	31.9	31.9	32.5	32.5	32.6	32.6
ASR10	836866.1	845495.2	26.9	26.9	28.6	25.2	25.9	28.4	26.9	26.9	28.3	26.9	26.9	28.4	26.9	26.9	28.6	28.6
ASR11	834944.3	844920.6	26.8	26.8	26.8	31.0	31.0	31.1	29.7	29.7	29.7	31.1	31.1	31.1	31.1	31.1	31.1	31.1
ASR12	833927.6	845623.5	30.1	30.1	30.1	35.4	35.4	35.4	33.4	33.4	33.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
ASR13	834681.8	844507.7	26.9	26.9	27.0	29.8	29.8	29.8	27.6	27.6	27.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8
ASR14	834932.5	844083.2	30.5	30.5	30.5	25.4	25.4	25.4	29.2	29.2	29.2	26.4	26.4	26.4	30.5	30.5	30.5	30.5
ASR15	834781.0	842892.0	25.8	25.8	25.8	25.1	25.1	25.1	22.5	22.5	22.5	25.8	25.8	25.8	25.8	25.8	25.8	25.8
ASR16	834638.8	843162.0	24.1	24.1	24.1	23.5	23.5	23.5	23.5	23.5	23.5	26.4	26.4	26.4	26.4	26.4	26.4	26.4
ASR17	833565.4	844380.1	23.7	23.7	23.7	24.1	24.1	24.1	24.3	24.3	24.3	24.7	24.7	24.7	24.7	24.7	24.7	24.7
ASR18	833659.8	844135.4	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9
ASR19	833278.7	844149.0	23.3	23.3	23.3	23.4	23.4	23.4	23.3	23.3	23.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4
ASR20	833432.9	843932.5	23.1	23.1	23.1	22.8	22.8	22.8	23.1	23.1	23.1	23.8	23.8	23.8	23.8	23.8	23.8	23.8
ASR21	833071.0	844042.5	23.8	23.8	23.8	24.1	24.1	24.1	23.3	23.3	23.3	24.0	24.0	24.0	24.1	24.1	24.1	24.1
ASR22	833816.5	843106.9	23.8	23.8	23.8	23.8	23.8	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
ASR23	833911.2	842536.3	24.0	24.0	24.0	23.3	23.3	23.3	24.0	24.0	24.0	23.6	23.6	23.6	24.0	24.0	24.0	24.0
ASR24	833589.5	842617.4	23.9	23.9	23.9	23.9	23.9	23.9	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
ASR25	836212.0	842390.6	27.2	27.2	27.2	27.1	27.1	27.2	27.1	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2
ASR26	836864.6	842409.3	29.5	29.5	29.5	29.4	29.4	29.4	29.0	29.0	29.1	29.0	29.0	29.0	29.5	29.5	29.5	29.5
ASR27	836737.6	845023.5	43.3	44.0	46.2	43.9	44.6	46.9	44.0	44.7	47.0	43.0	43.7	45.9	44.0	44.7	47.0	47.0
		sub-max:	43.3	44.0	46.2	43.9	44.6	46.9	44.0	44.7	47.0	43.0	43.7	45.9	44.0	44.7	47.0	
		max:	47.0															
		% AQO:	6%															

Appendix 3.8: Predicted 24-hr averaged SO2 concentration (ug/m3) at ASRs (with backgrour 13.8 ug/m3)
Case 3 — LFGES Off

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	15.8	15.8	15.9	15.1	15.1	15.2	15.3	15.3	15.3	15.0	15.0	15.1	15.8	15.8	15.9	15.9
ASR2	835474.5	843463.0	15.8	15.8	15.9	16.0	16.0	16.0	15.8	15.8	15.8	15.7	15.7	15.7	16.0	16.0	16.0	16.0
ASR3	836139.2	843267.7	17.4	17.5	17.5	17.0	17.0	17.2	16.5	16.5	16.6	16.5	16.5	16.7	17.4	17.5	17.5	17.5
ASR4	836921.6	843050.8	17.4	17.5	17.7	16.0	16.0	16.0	15.2	15.2	15.2	15.2	15.2	15.2	17.4	17.5	17.7	17.7
ASR5	836792.7	842938.7	17.7	17.8	18.0	15.9	15.9	15.9	15.4	15.4	15.4	15.3	15.3	15.3	17.7	17.8	18.0	18.0
ASR6	836499.0	843079.2	17.3	17.3	17.3	15.9	15.9	15.9	15.4	15.4	15.4	15.4	15.4	15.5	17.3	17.3	17.3	17.3
ASR7	834949.2	845805.6	15.3	15.3	15.4	15.2	15.2	15.2	15.2	15.2	15.3	15.9	15.9	15.9	15.9	15.9	15.9	15.9
ASR8	834261.5	845788.0	15.5	15.5	15.5	16.3	16.3	16.3	16.5	16.5	16.7	16.3	16.3	16.4	16.5	16.5	16.7	16.7
ASR9	834772.4	845729.4	15.3	15.3	15.4	15.9	15.9	15.9	15.5	15.5	15.5	16.0	16.0	16.0	16.0	16.0	16.0	16.0
ASR10	836866.1	845495.2	16.2	16.3	16.5	18.3	18.6	19.4	18.6	18.8	19.5	18.8	19.0	19.9	18.8	19.0	19.9	19.9
ASR11	834944.3	844920.6	15.1	15.1	15.1	16.2	16.2	16.3	15.9	16.0	16.2	15.9	15.9	16.0	16.2	16.2	16.3	16.3
ASR12	833927.6	845623.5	15.4	15.4	15.4	16.5	16.5	16.6	16.3	16.3	16.4	17.1	17.1	17.1	17.1	17.1	17.1	17.1
ASR13	834681.8	844507.7	15.6	15.6	15.6	15.4	15.4	15.4	16.0	16.0	16.1	15.8	15.8	15.8	16.0	16.0	16.1	16.1
ASR14	834932.5	844083.2	16.1	16.1	16.2	16.4	16.4	16.5	15.9	16.0	16.1	14.9	14.9	14.9	16.4	16.4	16.5	16.5
ASR15	834781.0	842892.0	16.5	16.5	16.5	16.6	16.6	16.6	16.3	16.3	16.3	15.7	15.7	15.7	16.6	16.6	16.6	16.6
ASR16	834638.8	843162.0	15.8	15.8	15.9	16.1	16.1	16.2	16.2	16.2	16.2	15.8	15.9	15.9	16.2	16.2	16.2	16.2
ASR17	833565.4	844380.1	16.0	16.0	16.0	16.1	16.1	16.1	16.0	16.0	16.0	15.2	15.2	15.2	16.1	16.1	16.1	16.1
ASR18	833659.8	844135.4	15.6	15.6	15.7	15.6	15.6	15.6	15.1	15.1	15.1	14.8	14.8	14.8	15.6	15.6	15.7	15.7
ASR19	833278.7	844149.0	15.9	15.9	15.9	16.0	16.0	16.0	15.2	15.2	15.2	14.8	14.8	14.8	16.0	16.0	16.0	16.0
ASR20	833432.9	843932.5	15.7	15.7	15.8	15.8	15.8	15.8	14.9	14.9	14.9	14.8	14.8	14.8	15.8	15.8	15.8	15.8
ASR21	833071.0	844042.5	16.0	16.0	16.0	16.1	16.1	16.1	15.2	15.2	15.3	14.6	14.6	14.6	16.1	16.1	16.1	16.1
ASR22	833816.5	843106.9	16.4	16.4	16.4	15.4	15.4	15.4	15.2	15.2	15.2	15.7	15.7	15.7	16.4	16.4	16.4	16.4
ASR23	833911.2	842536.3	16.1	16.2	16.2	16.0	16.0	16.0	16.4	16.4	16.5	15.9	15.9	16.0	16.4	16.4	16.5	16.5
ASR24	833589.5	842617.4	16.8	16.9	16.9	15.5	15.5	15.6	15.7	15.7	15.8	16.1	16.1	16.1	16.8	16.9	16.9	16.9
ASR25	836212.0	842390.6	16.8	16.8	16.8	17.4	17.4	17.5	17.0	17.1	17.2	15.8	15.8	15.8	17.4	17.4	17.5	17.5
ASR26	836864.6	842409.3	16.8	16.8	16.8	15.8	15.8	15.8	15.3	15.3	15.3	15.6	15.6	15.7	16.8	16.8	16.8	16.8
ASR27	836737.6	845023.5	22.9	23.1	23.7	31.5	31.8	33.0	32.3	32.6	33.8	31.7	32.1	33.2	32.3	32.6	33.8	33.8
		sub-max:	22.9	23.1	23.7	31.5	31.8	33.0	32.3	32.6	33.8	31.7	32.1	33.2	32.3	32.6	33.8	
		max:	33.8															
		% AQO:	10%															

Appendix 3.8: Predicted annual averaged SO2 concentration (ug/m3) at ASRs (with backgroun 13.8 ug/m3)
Case 3 — LFGES Off

			Y2001			Y2002			Y2003			Y2004			Max Yr01 to 04			max
ASR_ID	x_co	y_co	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m	1.5m to 10m
ASR1	835592.5	844094.1	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR2	835474.5	843463.0	14.2	14.2	14.2	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.2	14.2	14.2	14.2
ASR3	836139.2	843267.7	14.3	14.3	14.3	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.3	14.3	14.3	14.3
ASR4	836921.6	843050.8	14.0	14.0	14.1	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.1	14.1
ASR5	836792.7	842938.7	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR6	836499.0	843079.2	14.1	14.1	14.1	13.9	13.9	14.0	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR7	834949.2	845805.6	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
ASR8	834261.5	845788.0	13.9	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2
ASR9	834772.4	845729.4	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ASR10	836866.1	845495.2	13.9	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.2	14.1	14.1	14.2	14.2
ASR11	834944.3	844920.6	13.9	13.9	14.0	14.0	14.0	14.1	14.2	14.2	14.3	14.3	14.3	14.4	14.3	14.3	14.4	14.4
ASR12	833927.6	845623.5	13.9	13.9	13.9	14.1	14.1	14.1	14.4	14.4	14.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6
ASR13	834681.8	844507.7	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
ASR14	834932.5	844083.2	14.2	14.2	14.2	14.2	14.2	14.2	14.0	14.0	14.0	13.9	13.9	14.0	14.2	14.2	14.2	14.2
ASR15	834781.0	842892.0	14.1	14.1	14.1	14.0	14.0	14.0	14.1	14.1	14.1	14.0	14.1	14.1	14.1	14.1	14.1	14.1
ASR16	834638.8	843162.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.1	14.0	14.1	14.1	14.1
ASR17	833565.4	844380.1	14.3	14.3	14.4	14.3	14.3	14.4	14.1	14.1	14.1	14.0	14.0	14.0	14.3	14.3	14.4	14.4
ASR18	833659.8	844135.4	14.3	14.3	14.3	14.2	14.2	14.2	14.0	14.0	14.0	13.9	13.9	13.9	14.3	14.3	14.3	14.3
ASR19	833278.7	844149.0	14.4	14.4	14.4	14.3	14.3	14.3	14.0	14.0	14.0	13.9	13.9	13.9	14.4	14.4	14.4	14.4
ASR20	833432.9	843932.5	14.3	14.3	14.3	14.2	14.2	14.2	13.9	13.9	13.9	13.9	13.9	13.9	14.3	14.3	14.3	14.3
ASR21	833071.0	844042.5	14.4	14.4	14.4	14.3	14.3	14.3	14.0	14.0	14.0	13.9	13.9	13.9	14.4	14.4	14.4	14.4
ASR22	833816.5	843106.9	14.1	14.1	14.1	14.0	14.0	14.0	13.9	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1
ASR23	833911.2	842536.3	14.0	14.0	14.0	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.1	14.0	14.0	14.1	14.1
ASR24	833589.5	842617.4	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1
ASR25	836212.0	842390.6	14.2	14.2	14.2	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	14.2	14.2	14.2	14.2
ASR26	836864.6	842409.3	14.1	14.1	14.1	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.1	14.1	14.1	14.1
ASR27	836737.6	845023.5	14.1	14.1	14.1	14.2	14.3	14.3	14.5	14.5	14.5	14.4	14.4	14.4	14.5	14.5	14.5	14.5
		sub-max:	14.4	14.4	14.4	14.3	14.3	14.4	14.5	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	
		max:	14.6															
		% AQO:	18%															