

Appendix 3-7

Daily and Annual RSP and FSP Calculation Results (Mitigated Scenario)

Appendix 3-7-1 Results of Mitigated Maximum Daily Average RSP Concentrations Due to Filling and Excavation works

ASR	X	Y	Height	1st Highest Daily RSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m ³ (with Bkg. Level) *			1st Highest Daily RSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m ³ (w/o Bkg. Level)			10th Highest Daily RSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m ³ (with Bkg. Level) *			10th Highest Daily RSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m ³ (w/o Bkg. Level)		
				1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground
A01	823101	837242	4.4	122	122	122	1	1	1	82	82	82	0	0	0
A01A	823124	837181	4.4	122	122	122	0	0	0	82	82	82	0	0	0
A02	823093	837314	4.4	122	122	122	1	1	1	82	82	82	0	0	0
A02A	823120	837359	4.4	122	122	122	1	1	1	82	82	82	0	0	0
A03	823261	837374	4.4	122	122	122	1	1	1	82	82	82	0	0	0
A04	823277	837456	4.3	122	122	122	1	1	1	82	82	82	1	1	1
A05	823287	837674	4.2	122	122	122	2	2	1	82	82	82	1	1	1
A05A	823270	837645	4.2	122	122	122	2	1	1	82	82	82	1	1	1
A05B	823309	837726	4.2	122	122	122	2	2	1	82	82	82	1	1	1
A06	823405	837870	4.2	122	122	122	4	3	3	82	82	82	3	2	2
A06A	823366	837884	4.2	122	122	122	4	3	2	82	82	82	2	2	1
A07	823789	837883	3.1	125	124	124	6	5	3	82	82	82	3	2	2
A08	823679	837572	2.3	122	122	122	1	1	1	82	82	82	0	0	0
A09	823717	837567	3.5	122	122	122	1	1	1	82	82	82	0	0	0
A10	823228	837344	4.4	122	122	122	1	1	1	82	82	82	0	0	0
A10A	823189	837327	4.4	122	122	122	1	1	1	82	82	82	0	0	0
A11	823382	837043	4.5	122	122	122	0	0	0	82	82	82	0	0	0
A12	823509	837018	6.5	122	122	122	0	0	0	82	82	82	0	0	0
A13	823171	837105	4.6	122	122	122	0	0	0	82	82	82	0	0	0
A14	823176	837031	4.4	122	122	122	0	0	0	82	82	82	0	0	0
A15	823272	836947	4.1	122	122	122	0	0	0	82	82	82	0	0	0
A16	823496	837908	4.2	122	122	122	9	6	3	82	82	82	6	3	2
A16A	823470	837872	4.2	122	122	122	10	5	3	82	82	82	6	3	2
A17	823501	838152	5.7	122	122	122	3	3	2	82	82	82	2	1	1
A18	823726	838016	3.5	124	123	123	4	3	2	82	82	82	2	2	2
A19	823750	837460	3.3	122	122	122	1	0	0	82	82	82	0	0	0
A20	823745	837355	4.2	122	122	122	0	0	0	82	82	82	0	0	0
A21	823714	837274	4.2	122	122	122	0	0	0	82	82	82	0	0	0
A22	823645	837066	3.5	122	122	122	0	0	0	82	82	82	0	0	0
A23	823921	837887	3.6	123	123	123	2	2	2	82	82	82	1	1	1
A24	823928	837924	3.5	123	123	123	1	1	1	82	82	82	1	1	1
A25	823756	838085	4.9	123	123	123	2	2	1	82	82	82	1	1	1
A26	823041	838099	4.4	122	122	122	1	1	1	82	82	82	0	0	0
A27	823466	837090	4.5	122	122	122	0	0	0	82	82	82	0	0	0
A28	823287	837864	4.3	122	122	122	2	2	2	82	82	82	1	1	1
A29	823279	837827	4.3	122	122	122	3	2	2	82	82	82	1	1	1
A30	823293	837535	4.5	122	122	122	1	1	1	82	82	82	1	1	1
A31	823394	837960	3.9	122	122	122	7	4	3	82	82	82	3	2	2
A32	823353	837069	4.5	122	122	122	0	0	0	82	82	82	0	0	0
A33	823439	837932	3.9	122	122	122	9	5	4	82	82	82	4	3	2
A34	823425	838140	5.2	122	122	122	2	2	1	82	82	82	1	1	1
A35	823581	838166	5	122	122	122	4	3	3	82	82	82	2	2	1
A36	823703	837968	3.5	125	124	123	6	4	3	82	82	82	4	3	2
A1Pa	823688	837719	3	122	122	122	4	3	2	82	82	82	1	1	1
A2Pa	823545	837421	3	122	122	122	1	1	1	82	82	82	0	0	0
A3Pa	823455	837785	4	122	122	122	10	4	3	82	82	82	4	3	2
A4Pa	823305	837427	4	122	122	122	1	1	1	82	82	82	1	1	1
A5Pa	823482	837385	6.5	122	122	122	1	1	1	82	82	82	0	0	0
V01	823572	837356	3	122	122	122	1	1	1	82	82	82	0	0	0
V02	823780	837738	2.4	122	122	122	2	2	1	82	82	82	1	1	1
V03	823525	837232	3	122	122	122	1	1	1	82	82	82	0	0	0
V04	823385	837124	4.8	122	122	122	0	0	0	82	82	82	0	0	0

Max Conc. (with bkg. Level)	125	124	124	10	6	4	82	82	82	6	3	2
AQO Criteria	100	100	100	100	100	100	100	100	100	100	100	100
Compliance with AQO?	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Remark: * The above results have included the background level extracted from the PATH Output (year 2015). The hour-by-hour background contribution is estimated using output of PATH model, and added hour-by-hour to the Project contribution, and the results are presented above.

Appendix 3-7-2 Results of Mitigated Maximum Daily Average RSP Concentrations Due to Removal of Surcharge works

ASR	X	Y	Height	1st Highest Daily RSP Conc. (Removal of Surcharge) (Y01 to Y21), µg/m ³ (with Bkg. Level) *			1st Highest Daily RSP Conc. (Removal of Surcharge) (Y01 to Y21), µg/m ³ (w/o Bkg. Level)			10th Highest Daily RSP Conc. (Removal of Surcharge) (Y01 to Y21), µg/m ³ (with Bkg. Level) *			10th Highest Daily RSP Conc. (Removal of Surcharge) (Y01 to Y21), µg/m ³ (w/o Bkg. Level)			
				1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	
A01	823101	837242	4.4	99	99	99	1	1	0	81	81	81	0	0	0	
A01A	823124	837181	4.4	99	99	99	1	1	1	81	81	81	0	0	0	
A02	823093	837314	4.4	99	99	99	0	0	0	81	81	81	0	0	0	
A02A	823120	837359	4.4	99	99	99	1	0	0	81	81	81	0	0	0	
A03	823261	837374	4.4	99	99	99	1	1	1	81	81	81	0	0	0	
A04	823277	837456	4.3	99	99	99	1	1	1	81	81	81	0	0	0	
A05	823287	837674	4.2	99	99	99	1	1	1	81	81	81	1	0	0	
A05A	823270	837645	4.2	99	99	99	1	1	1	81	81	81	0	0	0	
A05B	823309	837726	4.2	99	99	99	2	2	1	81	81	81	1	1	0	
A06	823405	837870	4.2	99	99	99	6	4	3	81	81	81	2	1	1	
A06A	823366	837884	4.2	99	99	99	4	3	2	81	81	81	1	1	1	
A07	823789	837883	3.1	100	99	99	3	2	1	81	81	81	1	1	1	
A08	823679	837572	2.3	99	99	99	1	1	1	81	81	81	0	0	0	
A09	823717	837567	3.5	99	99	99	1	1	1	81	81	81	0	0	0	
A10	823228	837344	4.4	99	99	99	1	1	1	81	81	81	0	0	0	
A10A	823189	837327	4.4	99	99	99	1	1	1	81	81	81	0	0	0	
A11	823382	837043	4.5	99	99	99	0	0	0	81	81	81	0	0	0	
A12	823509	837018	6.5	99	99	99	0	0	0	81	81	81	0	0	0	
A13	823171	837105	4.6	99	99	99	0	0	0	81	81	81	0	0	0	
A14	823176	837031	4.4	99	99	99	0	0	0	81	81	81	0	0	0	
A15	823272	836947	4.1	99	99	99	0	0	0	81	81	81	0	0	0	
A16	823496	837908	4.2	99	99	99	9	4	2	81	81	81	3	2	1	
A16A	823470	837872	4.2	100	99	99	8	4	2	81	81	81	3	2	1	
A17	823501	838152	5.7	99	99	99	4	3	2	81	81	81	1	0	0	
A18	823726	838016	3.5	99	99	99	2	2	1	81	81	81	1	1	1	
A19	823750	837460	3.3	99	99	99	1	1	1	81	81	81	0	0	0	
A20	823745	837355	4.2	99	99	99	1	1	1	81	81	81	0	0	0	
A21	823714	837274	4.2	99	99	99	0	0	0	81	81	81	0	0	0	
A22	823645	837066	3.5	99	99	99	0	0	0	81	81	81	0	0	0	
A23	823921	837887	3.6	99	99	99	1	1	1	81	81	81	0	0	0	
A24	823928	837924	3.5	100	100	100	1	1	1	81	81	81	0	0	0	
A25	823756	838085	4.9	99	99	99	1	1	1	81	81	81	0	0	0	
A26	823041	838099	4.4	99	99	99	1	1	1	81	81	81	0	0	0	
A27	823466	837090	4.5	99	99	99	0	0	0	81	81	81	0	0	0	
A28	823287	837864	4.3	99	99	99	2	2	1	81	81	81	1	1	1	
A29	823279	837827	4.3	99	99	99	2	2	1	81	81	81	1	1	1	
A30	823293	837535	4.5	99	99	99	1	1	1	81	81	81	1	0	0	
A31	823394	837960	3.9	99	99	99	6	4	2	81	81	81	1	1	0	
A32	823353	837069	4.5	99	99	99	0	0	0	81	81	81	0	0	0	
A33	823439	837932	3.9	99	99	99	11	4	2	81	81	81	2	1	1	
A34	823425	838140	5.2	99	99	99	1	1	1	81	81	81	0	0	0	
A35	823581	838166	5	99	99	99	3	2	2	81	81	81	1	1	1	
A36	823703	837968	3.5	99	99	99	6	5	3	81	81	81	1	1	1	
A1Pa	823688	837719	3	100	100	99	3	3	2	81	81	81	1	1	0	
A2Pa	823545	837421	3	99	99	99	1	1	1	81	81	81	0	0	0	
A3Pa	823455	837785	4	99	99	99	10	4	3	81	81	81	3	2	1	
A4Pa	823305	837427	4	99	99	99	1	1	1	81	81	81	0	0	0	
A5Pa	823482	837385	6.5	99	99	99	1	1	1	81	81	81	0	0	0	
V01	823572	837356	3	99	99	99	1	1	1	81	81	81	0	0	0	
V02	823780	837738	2.4	100	100	100	1	1	1	81	81	81	0	0	0	
V03	823525	837232	3	99	99	99	1	1	1	81	81	81	0	0	0	
V04	823385	837124	4.8	99	99	99	0	0	0	81	81	81	0	0	0	
Max Conc. (with bkg. Level)				100	100	100	11	5	3	81	81	81	3	2	1	
AQO Criteria				100	100	100	100	100	100	100	100	100	100	100	100	100
Compliance with AQO?				No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Remark: * The above results have included the background level extracted from the PATH Output (year 2015). The hour-by-hour background contribution is estimated using output of PATH model, and added hour-by-hour to the Project contribution, and the results are presented above.

Appendix 3-7-3 Results of Mitigated Maximum Daily Average FSP Concentrations Due to Filling and Excavation Works

ASR	X	Y	Height	1st Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (with Bkg. Level) *			1st Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (w/o Bkg. Level) **			10th Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (with Bkg. Level) *			10th Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (w/o Bkg. Level) **		
				1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground
A01	823101	837242	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A01A	823124	837181	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A02	823093	837314	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A02A	823120	837359	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A03	823261	837374	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A04	823277	837456	4.3	91	91	91	0	0	0	61	61	61	0	0	0
A05	823287	837674	4.2	91	91	91	1	0	0	61	61	61	0	0	0
A05A	823270	837645	4.2	91	91	91	0	0	0	61	61	61	0	0	0
A05B	823309	837726	4.2	91	91	91	1	1	0	61	61	61	0	0	0
A06	823405	837870	4.2	91	91	91	1	1	1	62	61	61	1	1	1
A06A	823366	837884	4.2	91	91	91	1	1	1	62	61	61	1	1	0
A07	823789	837883	3.1	92	92	92	2	1	1	61	61	61	1	1	0
A08	823679	837572	2.3	91	91	91	0	0	0	61	61	61	0	0	0
A09	823717	837567	3.5	91	91	91	0	0	0	61	61	61	0	0	0
A10	823228	837344	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A10A	823189	837327	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A11	823382	837043	4.5	91	91	91	0	0	0	61	61	61	0	0	0
A12	823509	837018	6.5	91	91	91	0	0	0	61	61	61	0	0	0
A13	823171	837105	4.6	91	91	91	0	0	0	61	61	61	0	0	0
A14	823176	837031	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A15	823272	836947	4.1	91	91	91	0	0	0	61	61	61	0	0	0
A16	823496	837908	4.2	91	91	91	3	2	1	62	62	61	2	1	1
A16A	823470	837872	4.2	91	91	91	3	2	1	62	61	61	2	1	1
A17	823501	838152	5.7	91	91	91	1	1	1	61	61	61	1	0	0
A18	823726	838016	3.5	92	92	92	1	1	1	61	61	61	1	1	0
A19	823750	837460	3.3	91	91	91	0	0	0	61	61	61	0	0	0
A20	823745	837355	4.2	91	91	91	0	0	0	61	61	61	0	0	0
A21	823714	837274	4.2	91	91	91	0	0	0	61	61	61	0	0	0
A22	823645	837066	3.5	91	91	91	0	0	0	61	61	61	0	0	0
A23	823921	837887	3.6	92	92	92	1	1	0	61	61	61	0	0	0
A24	823928	837924	3.5	92	92	92	0	0	0	61	61	61	0	0	0
A25	823756	838085	4.9	92	92	92	1	1	0	61	61	61	0	0	0
A26	823041	838099	4.4	91	91	91	0	0	0	61	61	61	0	0	0
A27	823466	837090	4.5	91	91	91	0	0	0	61	61	61	0	0	0
A28	823287	837864	4.3	91	91	91	1	0	0	61	61	61	0	0	0
A29	823279	837827	4.3	91	91	91	1	1	1	61	61	61	0	0	0
A30	823293	837535	4.5	91	91	91	0	0	0	61	61	61	0	0	0
A31	823394	837960	3.9	91	91	91	2	1	1	61	61	61	1	1	0
A32	823353	837069	4.5	91	91	91	0	0	0	61	61	61	0	0	0
A33	823439	837932	3.9	91	91	91	3	1	1	62	61	61	1	1	0
A34	823425	838140	5.2	91	91	91	1	0	0	61	61	61	0	0	0
A35	823581	838166	5	91	91	91	1	1	1	61	61	61	1	1	0
A36	823703	837968	3.5	92	92	92	2	1	1	61	61	61	1	1	1
A1Pa	823688	837719	3	91	91	91	1	1	1	61	61	61	0	0	0
A2Pa	823545	837421	3	91	91	91	0	0	0	61	61	61	0	0	0
A3Pa	823455	837785	4	91	91	91	3	1	1	62	61	61	1	1	1
A4Pa	823305	837427	4	91	91	91	0	0	0	61	61	61	0	0	0
A5Pa	823482	837385	6.5	91	91	91	0	0	0	61	61	61	0	0	0
V01	823572	837356	3	91	91	91	0	0	0	61	61	61	0	0	0
V02	823780	837738	2.4	91	91	91	1	1	0	61	61	61	0	0	0
V03	823525	837232	3	91	91	91	0	0	0	61	61	61	0	0	0
V04	823385	837124	4.8	91	91	91	0	0	0	61	61	61	0	0	0
Max Conc. (with bkg. Level)				92	92	92	3	2	1	62	62	61	2	1	1
AQO Criteria				75	75	75	75	75	75	75	75	75	75	75	75
Compliance with AQO?				No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Remark: * The above results have included the background level extracted from the PATH Output (year 2015). The hour-by-hour background contribution is estimated using output of PATH model, and added hour-by-hour to the Project contribution, and the results are presented above.

** The FSP concentrations are calculated based on the predicted RSP concentrations by applying a FSP/RSP ratio of 0.3 according to the USEPA AP-42 reference document. Please refer to Appendix 3-10 for the justification of FSP/RSP ratio.

Appendix 3-7-4 Results of Mitigated Maximum Daily Average FSP Concentrations Due to Removal of Surcharge Works

ASR	X	Y	Height	1st Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (with Bkg. Level) *			1st Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (w/o Bkg. Level) **			10th Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (with Bkg. Level) *			10th Highest Daily FSP Conc. (Filling/ Excavation) (Y01 to Y21), µg/m3 (w/o Bkg. Level) **		
				1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground
A01	823101	837242	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A01A	823124	837181	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A02	823093	837314	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A02A	823120	837359	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A03	823261	837374	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A04	823277	837456	4.3	74	74	74	0	0	0	60	60	60	0	0	0
A05	823287	837674	4.2	74	74	74	0	0	0	60	60	60	0	0	0
A05A	823270	837645	4.2	74	74	74	0	0	0	60	60	60	0	0	0
A05B	823309	837726	4.2	74	74	74	0	0	0	60	60	60	0	0	0
A06	823405	837870	4.2	74	74	74	2	1	1	60	60	60	0	0	0
A06A	823366	837884	4.2	74	74	74	1	1	1	60	60	60	0	0	0
A07	823789	837883	3.1	74	74	74	1	1	0	60	60	60	0	0	0
A08	823679	837572	2.3	74	74	74	0	0	0	61	61	60	0	0	0
A09	823717	837567	3.5	74	74	74	0	0	0	60	60	60	0	0	0
A10	823228	837344	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A10A	823189	837327	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A11	823382	837043	4.5	74	74	74	0	0	0	60	60	60	0	0	0
A12	823509	837018	6.5	74	74	74	0	0	0	60	60	60	0	0	0
A13	823171	837105	4.6	74	74	74	0	0	0	60	60	60	0	0	0
A14	823176	837031	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A15	823272	836947	4.1	74	74	74	0	0	0	60	60	60	0	0	0
A16	823496	837908	4.2	74	74	74	3	1	1	60	60	60	1	0	0
A16A	823470	837872	4.2	74	74	74	2	1	1	60	60	60	1	1	0
A17	823501	838152	5.7	74	74	74	1	1	1	60	60	60	0	0	0
A18	823726	838016	3.5	74	74	74	1	1	0	60	60	60	0	0	0
A19	823750	837460	3.3	74	74	74	0	0	0	60	60	60	0	0	0
A20	823745	837355	4.2	74	74	74	0	0	0	60	60	60	0	0	0
A21	823714	837274	4.2	74	74	74	0	0	0	60	60	60	0	0	0
A22	823645	837066	3.5	74	74	74	0	0	0	60	60	60	0	0	0
A23	823921	837887	3.6	74	74	74	0	0	0	60	60	60	0	0	0
A24	823928	837924	3.5	75	75	74	0	0	0	60	60	60	0	0	0
A25	823756	838085	4.9	74	74	74	0	0	0	60	60	60	0	0	0
A26	823041	838099	4.4	74	74	74	0	0	0	60	60	60	0	0	0
A27	823466	837090	4.5	74	74	74	0	0	0	60	60	60	0	0	0
A28	823287	837864	4.3	74	74	74	1	0	0	60	60	60	0	0	0
A29	823279	837827	4.3	74	74	74	1	0	0	61	60	60	0	0	0
A30	823293	837535	4.5	74	74	74	0	0	0	60	60	60	0	0	0
A31	823394	837960	3.9	74	74	74	2	1	1	60	60	60	0	0	0
A32	823353	837069	4.5	74	74	74	0	0	0	60	60	60	0	0	0
A33	823439	837932	3.9	74	74	74	3	1	0	60	60	60	1	0	0
A34	823425	838140	5.2	74	74	74	0	0	0	60	60	60	0	0	0
A35	823581	838166	5	74	74	74	1	1	1	60	60	60	0	0	0
A36	823703	837968	3.5	74	74	74	2	1	1	61	61	60	0	0	0
A1Pa	823688	837719	3	74	74	74	1	1	1	61	61	61	0	0	0
A2Pa	823545	837421	3	74	74	74	0	0	0	60	60	60	0	0	0
A3Pa	823455	837785	4	74	74	74	3	1	1	61	60	60	1	1	0
A4Pa	823305	837427	4	74	74	74	0	0	0	60	60	60	0	0	0
A5Pa	823482	837385	6.5	74	74	74	0	0	0	60	60	60	0	0	0
V01	823572	837356	3	74	74	74	0	0	0	60	60	60	0	0	0
V02	823780	837738	2.4	75	75	74	0	0	0	61	61	61	0	0	0
V03	823525	837232	3	74	74	74	0	0	0	60	60	60	0	0	0
V04	823385	837124	4.8	74	74	74	0	0	0	60	60	60	0	0	0
	Max Conc. (with bkg. Level)			75	75	74	3	1	1	61	61	61	1	1	0
	AQO Criteria			75	75	75	75	75	75	75	75	75	75	75	75
	Compliance with AQO?		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Remark: * The above results have included the background level extracted from the PATH Output (year 2015). The hour-by-hour background contribution is estimated using output of PATH model, and added hour-by-hour to the Project contribution, and the results are presented above.

** The FSP concentrations are calculated based on the predicted RSP concentrations by applying a FSP/RSP ratio of 0.3 according to the USEPA AP-42 reference document. Please refer to Appendix 3-10 for the justification of FSP/RSP ratio.

Appendix 3-7-5 Results of Mitigated Maximum Annual Average RSP and Annual Average FSP Concentrations

ASR	X	Y	Height	Maximum Annual Average RSP (Y01 to Y21), µg/m3 (with Bkg. Level) *			Maximum Annual Average RSP (Y01 to Y21), µg/m3 (w/o Bkg. Level)			Maximum Annual Average FSP (Y01 to Y21), µg/m3 (with Bkg. Level) *			Maximum Annual Average FSP (Y01 to Y21), µg/m3 (w/o Bkg. Level) **		
				1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground	1.5m Above Ground	4.5m Above Ground	7.5m Above Ground
A01	823101	837242	4.4	43.3	43.3	43.3	0.1	0.1	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A01A	823124	837181	4.4	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A02	823093	837314	4.4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A02A	823120	837359	4.4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A03	823261	837374	4.4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A04	823277	837456	4.3	43.4	43.4	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A05	823287	837674	4.2	43.4	43.4	43.4	0.2	0.2	0.1	30.8	30.8	30.7	0.1	0.0	0.0
A05A	823270	837645	4.2	43.4	43.4	43.4	0.2	0.1	0.1	30.8	30.7	30.7	0.0	0.0	0.0
A05B	823309	837726	4.2	43.5	43.4	43.4	0.2	0.2	0.2	30.8	30.8	30.8	0.1	0.1	0.0
A06	823405	837870	4.2	43.7	43.6	43.5	0.5	0.4	0.3	30.9	30.8	30.8	0.2	0.1	0.1
A06A	823366	837884	4.2	43.6	43.6	43.5	0.4	0.3	0.2	30.8	30.8	30.8	0.1	0.1	0.1
A07	823789	837883	3.1	43.6	43.5	43.4	0.4	0.3	0.2	30.8	30.8	30.8	0.1	0.1	0.1
A08	823679	837572	2.3	43.3	43.3	43.3	0.1	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A09	823717	837567	3.5	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A10	823228	837344	4.4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A10A	823189	837327	4.4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A11	823382	837043	4.5	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A12	823509	837018	6.5	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A13	823171	837105	4.6	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A14	823176	837031	4.4	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A15	823272	836947	4.1	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A16	823496	837908	4.2	44.3	43.9	43.6	1.1	0.6	0.4	31.0	30.9	30.8	0.3	0.2	0.1
A16A	823470	837872	4.2	44.2	43.8	43.6	1.0	0.6	0.4	31.0	30.9	30.8	0.3	0.2	0.1
A17	823501	838152	5.7	43.5	43.4	43.4	0.2	0.2	0.1	30.8	30.8	30.7	0.1	0.1	0.0
A18	823726	838016	3.5	43.7	43.6	43.5	0.5	0.4	0.3	30.8	30.8	30.8	0.1	0.1	0.1
A19	823750	837460	3.3	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A20	823745	837355	4.2	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A21	823714	837274	4.2	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A22	823645	837066	3.5	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A23	823921	837887	3.6	43.4	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A24	823928	837924	3.5	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A25	823756	838085	4.9	43.5	43.5	43.4	0.3	0.2	0.2	30.8	30.8	30.8	0.1	0.1	0.1
A26	823041	838099	4.4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A27	823466	837090	4.5	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A28	823287	837864	4.3	43.5	43.4	43.4	0.2	0.2	0.2	30.8	30.8	30.8	0.1	0.1	0.0
A29	823279	837827	4.3	43.5	43.4	43.4	0.2	0.2	0.2	30.8	30.8	30.8	0.1	0.1	0.0
A30	823293	837535	4.5	43.4	43.4	43.4	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A31	823394	837960	3.9	43.6	43.6	43.5	0.4	0.3	0.2	30.8	30.8	30.8	0.1	0.1	0.1
A32	823353	837069	4.5	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
A33	823439	837932	3.9	43.9	43.7	43.5	0.6	0.4	0.3	30.9	30.8	30.8	0.2	0.1	0.1
A34	823425	838140	5.2	43.4	43.4	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A35	823581	838166	5	43.6	43.5	43.5	0.3	0.3	0.2	30.8	30.8	30.8	0.1	0.1	0.1
A36	823703	837968	3.5	44.0	43.8	43.6	0.8	0.6	0.4	30.9	30.9	30.8	0.2	0.2	0.1
A1Pa	823688	837719	3	43.5	43.4	43.4	0.2	0.2	0.1	30.8	30.8	30.7	0.1	0.1	0.0
A2Pa	823545	837421	3	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A3Pa	823455	837785	4	43.9	43.7	43.6	0.7	0.5	0.3	30.9	30.8	30.8	0.2	0.1	0.1
A4Pa	823305	837427	4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
A5Pa	823482	837385	6.5	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
V01	823572	837356	3	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
V02	823780	837738	2.4	43.3	43.3	43.3	0.1	0.1	0.1	30.7	30.7	30.7	0.0	0.0	0.0
V03	823525	837232	3	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
V04	823385	837124	4.8	43.3	43.3	43.3	0.0	0.0	0.0	30.7	30.7	30.7	0.0	0.0	0.0
Max Conc. (with bkg. Level)				44.3	43.9	43.6	1.1	0.6	0.4	31.0	30.9	30.8	0.3	0.2	0.1
AQO Criteria				50	50	50	50	50	50	35	35	35	35	35	35
Compliance with AQO?				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Remark: * The above results have included the background level extracted from the PATH Output (year 2015). The hour-by-hour background contribution is estimated using output of PATH model, and added hour-by-hour to the Project contribution, and the results are presented above.

** The FSP concentrations are calculated based on the predicted RSP concentrations by applying a FSP/RSP ratio of 0.3 according to the USEPA AP-42 reference document. Please refer to Appendix 3-10 for the justification of FSP/RSP ratio.