Appendix 3-7

Summary Table of RSP and PM2.5 Assessment Results (Mitigated)

Northern Portion

Appendix 3-7A Summary Table of Daily Average RSP Level of the Northern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Daily RSP (With Bkg. Level), µg/m^3 * With Bkg. Level	1st Highest Daily RSP (W/o Bkg.), µg/m^3 Without Bkg.
A01	823101.12	837242.38	4.4	1.5	122	1
A01A	823124.28	837181.3	4.4	1.5	122	0
A02	823092.84	837313.97	4.4	1.5	122	1
A02A	823119.86	837359.05	4.4	1.5	122	1
A03	823260.81	837373.69	4.4	1.5	122	1
A04	823276.81	837456.12	4.3	1.5	122	3
A05	823287.12	837673.88	4.2	1.5	122	5
A05A	823269.63	837644.52	4.2	1.5	122	11
A05B	823308.73	837726.21	4.2	1.5	122	11
A06	823405	837870	4.2	1.5	123	11
A06A	823365.92	837883.55	4.2	1.5	122	10
A07	823788.62	837882.5	3.1	1.5	122	0
A08	823679.12	837571.69	2.3	1.5	122	0
A09	823717.31	837567	3.5	1.5	122	0
A10	823227.62	837343.88	4.4	1.5	122	1
A10A	823188.8	837327.28	4.4	1.5	122	1
A11	823382.12	837043.19	4.5	1.5	122	0
A12	823509.19	837017.62	6.5	1.5	122	0
A13	823171.38	837105	4.6	1.5	122	0
A14	823175.5	837030.5	4.4	1.5	122	0
A15	823271.81	836947.19	4.1	1.5	122	0
A16	823496	837908.19	4.2	1.5	122	5
A16A	823470.21	837871.64	4.2	1.5	123	**13**
A17	823500.62	838152.38	5.7	1.5	122	1
A18	823725.62	838015.88	3.5	1.5	122	0
A19	823749.5	837459.62	3.3	1.5	122	0
A20	823745.38	837355.31	4.2	1.5	122	0
A21	823713.88	837274	4.2	1.5	122	0
A22	823645.12	837066.12	3.5	1.5	122	0
A23	823920.62	837886.69	3.6	1.5	122	0
A24	823927.69	837923.62	3.5	1.5	122	0
A25	823756	838085.19	4.9	1.5	122	0
A26	823040.62	838098.62	4.4	1.5	122	0
A27	823465.59	837089.89	4.5	1.5	122	0
A28	823286.57	837864.24	4.3	1.5	122	5
A29	823279.17	837826.61	4.3	1.5	122	9
A30	823293.2	837534.53	4.5	1.5	122	7
A31	823393.53	837959.69	3.9	1.5	123	3
A32	823353.02	837069.09	4.5	1.5	122	0
A33	823439.27	837932.11	3.9	1.5	122	6
A34	823424.53	838140.16	5.2	1.5	122	1
A35	823581.4	838166.28	5	1.5	122	1
A36	823703.1	837968.5	3.5	1.5	122	0
A1P	823478.5	837806.7	2	1.5	**131**	10
A2P	823371	837176.69	5	1.5	122	0
A3P	823392.81	837419.12	7	1.5	122	1
A4P	823424.31	837553.12	3	1.5	122	2
A5P	823687.88	837719	3	1.5	122	1
V01	823571.7	837355.7	3	1.5	122	0
V02	823780.1	837738.47	2.4	1.5	122	1
V03	823524.7	837232	3	1.5	122	0
V04	823384.5	837124.2	4.8	1.5	122	0
A01	823101.12	837242.38	4.4	4.5	122	1
A01A	823124.28	837181.3	4.4	4.5	122	0
A02	823092.84	837313.97	4.4	4.5	122	1
A02A	823119.86	837359.05	4.4	4.5	122	1
A03	823260.81	837373.69	4.4	4.5	122	1
A04	823276.81	837456.12	4.3	4.5	122	2
A05	823287.12	837673.88	4.2	4.5	122	4
A05A	823269.63	837644.52	4.2	4.5	122	3
A05B	823308.73	837726.21	4.2	4.5	122	4
A06	823405	837870	4.2	4.5	122	3
A06A	823365.92	837883.55	4.2	4.5	122	4
A07	823788.62	837882.5	3.1	4.5	122	0
A08	823679.12	837571.69	2.3	4.5	122	0
A09	823717.31	837567	3.5	4.5	122	0
A10	823227.62	837343.88	4.4	4.5	122	1
A10A	823188.8	837327.28	4.4	4.5	122	1
A11	823382.12	837043.19	4.5	4.5	122	0
A12	823509.19	837017.62	6.5	4.5	122	0
A13	823171.38	837105	4.6	4.5	122	0
A14	823175.5	837030.5	4.4	4.5	122	0
A15	823271.81	836947.19	4.1	4.5	122	0
A16	823496	837908.19	4.2	4.5	122	3
A16A	823470.21	837871.64	4.2	4.5	122	3
A17	823500.62	838152.38	5.7	4.5	122	1
A18	823725.62	838015.88	3.5	4.5	122	0
A19	823749.5	837459.62	3.3	4.5	122	0
A20	823745.38	837355.31	4.2	4.5	122	0
A21	823713.88	837274	4.2	4.5	122	0
A22	823645.12	837066.12	3.5	4.5	122	0
A23	823920.62	837886.69	3.6	4.5	122	0
A24	823927.69	837923.62	3.5	4.5	122	0
A25	823756	838085.19	4.9	4.5	122	0
A26	823040.62	838098.62	4.4	4.5	122	0
A27	823465.59	837089.89	4.5	4.5	122	0
A28	823286.57	837864.24	4.3	4.5	122	2
A29	823279.17	837826.61	4.3	4.5	122	3
A30	823293.2	837534.53	4.5	4.5	122	3
A31	823393.53	837959.69	3.9	4.5	122	3
A32	823353.02	837069.09	4.5	4.5	122	0
A33	823439.27	837932.11	3.9	4.5	122	3
A34	823424.53	838140.16	5.2	4.5	122	1
A35	823581.4	838166.28	5	4.5	122	1
A36	823703.1	837968.5	3.5	4.5	122	0
A1P	823478.5	837806.7	2	4.5	123	3
A2P	823371	837176.69	5	4.5	122	0
A3P	823392.81	837419.12	7	4.5	122	1
A4P	823424.31	837553.12	3	4.5	122	2
A5P	823687.88	837719	3	4.5	122	1
V01	823571.7	837355.7	3	4.5	122	0
V02	823780.1	837738.47	2.4	4.5	122	1
V03	823524.7	837232	3	4.5	122	0
V04	823384.5	837124.2	4.8	4.5	122	0
A01	823101.12	837242.38	4.4	7.5	122	0
A01A	823124.28	837181.3	4.4	7.5	122	0
A02	823092.84	837313.97	4.4	7.5	122	1
A02A	823119.86	837359.05	4.4	7.5	122	1
A03	823260.81	837373.69	4.4	7.5	122	1
A04	823276.81	837456.12	4.3	7.5	122	1
A05	823287.12	837673.88	4.2	7.5	122	2
A05A	823269.63	837644.52	4.2	7.5	122	2
A05B	823308.73	837726.21	4.2	7.5	122	3
A06	823405	837870	4.2	7.5	122	1
A06A	823365.92	837883.55	4.2	7.5	122	2
A07	823788.62	837882.5	3.1	7.5	122	0
A08	823679.12	837571.69	2.3	7.5	122	0
A09	823717.31	837567	3.5	7.5	122	0
A10	823227.62	837343.88	4.4	7.5	122	1
A10A	823188.8	837327.28	4.4	7.5	122	1

ASR	X	Y	Z	Height above ground	1st Highest Daily RSP (With Bkg. Level), µg/m³ * With Bkg. Level	1st Highest Daily RSP (W/o Bkg.), µg/m³ Without Bkg.
A11	823382.12	837043.19	4.5	7.5	122	0
A12	823509.19	837017.62	6.5	7.5	122	0
A13	823171.38	837105	4.6	7.5	122	0
A14	823175.5	837030.5	4.4	7.5	122	0
A15	823271.81	836947.19	4.1	7.5	122	0
A16	823496	837908.19	4.2	7.5	122	2
A16A	823470.21	837871.64	4.2	7.5	122	1
A17	823500.62	838152.38	5.7	7.5	122	1
A18	823725.62	838015.88	3.5	7.5	122	0
A19	823749.5	837459.62	3.3	7.5	122	0
A20	823745.38	837355.31	4.2	7.5	122	0
A21	823713.88	837274	4.2	7.5	122	0
A22	823645.12	837066.12	3.5	7.5	122	0
A23	823920.62	837886.69	3.6	7.5	122	0
A24	823927.69	837923.62	3.5	7.5	122	0
A25	823756	838085.19	4.9	7.5	122	0
A26	823040.62	838098.62	4.4	7.5	122	0
A27	823465.59	837089.89	4.5	7.5	122	0
A28	823286.57	837864.24	4.3	7.5	122	1
A29	823279.17	837826.61	4.3	7.5	122	2
A30	823293.2	837534.53	4.5	7.5	122	2
A31	823393.53	837959.69	3.9	7.5	122	2
A32	823353.02	837069.09	4.5	7.5	122	0
A33	823439.27	837932.11	3.9	7.5	122	2
A34	823424.53	838140.16	5.2	7.5	122	1
A35	823581.4	838166.28	5	7.5	122	1
A36	823703.1	837968.5	3.5	7.5	122	0
A1P	823478.5	837806.7	2	7.5	122	2
A2P	823371	837176.69	5	7.5	122	0
A3P	823392.81	837419.12	7	7.5	122	1
A4P	823424.31	837553.12	3	7.5	122	2
A5P	823687.88	837719	3	7.5	122	1
V01	823571.7	837355.7	3	7.5	122	0
V02	823780.1	837738.47	2.4	7.5	122	0
V03	823524.7	837232	3	7.5	122	0
V04	823384.5	837124.2	4.8	7.5	122	0
Max. RSP Level, ug/m³					**131**	**13**
No. of Exceedance					**3**	**-**
Relevant AQO Criteria, ug/m³					100	100
No. of Exceedance Allowed					9	-
Compliance with AQO Criteria?					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 3-7B Summary Table of Daily Average PM2.5 Level of the Northern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Daily PM2.5 (With Bkg. Level), µg/m³ * & ** With Bkg. Level	1st Highest Daily PM2.5 (W/o Bkg.), µg/m³ ** Without Bkg.
A01	823101.12	837242.38	4.4	1.5	91	0
A01A	823124.28	837181.3	4.4	1.5	91	0
A02	823092.84	837313.97	4.4	1.5	91	0
A02A	823119.86	837359.05	4.4	1.5	91	0
A03	823260.81	837373.69	4.4	1.5	91	0
A04	823276.81	837456.12	4.3	1.5	91	1
A05	823287.12	837673.88	4.2	1.5	91	2
A05A	823269.63	837644.52	4.2	1.5	91	3
A05B	823308.73	837726.21	4.2	1.5	91	3
A06	823405	837870	4.2	1.5	92	3
A06A	823365.92	837883.55	4.2	1.5	91	3
A07	823788.62	837882.5	3.1	1.5	91	0
A08	823679.12	837571.69	2.3	1.5	91	0
A09	823717.31	837567	3.5	1.5	91	0
A10	823227.62	837343.88	4.4	1.5	91	0
A10A	823188.8	837327.28	4.4	1.5	91	0
A11	823382.12	837043.19	4.5	1.5	91	0
A12	823509.19	837017.62	6.5	1.5	91	0
A13	823171.38	837105	4.6	1.5	91	0
A14	823175.5	837030.5	4.4	1.5	91	0
A15	823271.81	836947.19	4.1	1.5	91	0
A16	823496	837908.19	4.2	1.5	92	1
A16A	823470.21	837871.64	4.2	1.5	92	**4**
A17	823500.62	838152.38	5.7	1.5	91	0
A18	823725.62	838015.88	3.5	1.5	91	0
A19	823749.5	837459.62	3.3	1.5	91	0
A20	823745.38	837355.31	4.2	1.5	91	0
A21	823713.88	837274	4.2	1.5	91	0
A22	823645.12	837066.12	3.5	1.5	91	0
A23	823920.62	837886.69	3.6	1.5	91	0
A24	823927.69	837923.62	3.5	1.5	91	0
A25	823756	838085.19	4.9	1.5	91	0
A26	823040.62	838098.62	4.4	1.5	91	0
A27	823465.59	837089.89	4.5	1.5	91	0
A28	823286.57	837864.24	4.3	1.5	91	1
A29	823279.17	837826.61	4.3	1.5	91	3
A30	823293.2	837534.53	4.5	1.5	91	2
A31	823393.53	837959.69	3.9	1.5	92	1
A32	823353.02	837069.09	4.5	1.5	91	0
A33	823439.27	837932.11	3.9	1.5	91	2
A34	823424.53	838140.16	5.2	1.5	91	0
A35	823581.4	838166.28	5	1.5	91	0
A36	823703.1	837968.5	3.5	1.5	91	0
A1P	823478.5	837806.7	2	1.5	**94**	3
A2P	823371	837176.69	5	1.5	91	0
A3P	823392.81	837419.12	7	1.5	91	0
A4P	823424.31	837553.12	3	1.5	91	1
A5P	823687.88	837719	3	1.5	92	0
V01	823571.7	837355.7	3	1.5	91	0
V02	823780.1	837738.47	2.4	1.5	91	0
V03	823524.7	837232	3	1.5	91	0
V04	823384.5	837124.2	4.8	1.5	91	0
A01	823101.12	837242.38	4.4	4.5	91	0
A01A	823124.28	837181.3	4.4	4.5	91	0
A02	823092.84	837313.97	4.4	4.5	91	0
A02A	823119.86	837359.05	4.4	4.5	91	0
A03	823260.81	837373.69	4.4	4.5	91	0
A04	823276.81	837456.12	4.3	4.5	91	1
A05	823287.12	837673.88	4.2	4.5	91	1
A05A	823269.63	837644.52	4.2	4.5	91	1
A05B	823308.73	837726.21	4.2	4.5	91	1
A06	823405	837870	4.2	4.5	91	1
A06A	823365.92	837883.55	4.2	4.5	91	1
A07	823788.62	837882.5	3.1	4.5	91	0
A08	823679.12	837571.69	2.3	4.5	91	0
A09	823717.31	837567	3.5	4.5	91	0
A10	823227.62	837343.88	4.4	4.5	91	0
A10A	823188.8	837327.28	4.4	4.5	91	0
A11	823382.12	837043.19	4.5	4.5	91	0
A12	823509.19	837017.62	6.5	4.5	91	0
A13	823171.38	837105	4.6	4.5	91	0
A14	823175.5	837030.5	4.4	4.5	91	0
A15	823271.81	836947.19	4.1	4.5	91	0
A16	823496	837908.19	4.2	4.5	91	1
A16A	823470.21	837871.64	4.2	4.5	92	1
A17	823500.62	838152.38	5.7	4.5	91	0
A18	823725.62	838015.88	3.5	4.5	91	0
A19	823749.5	837459.62	3.3	4.5	91	0
A20	823745.38	837355.31	4.2	4.5	91	0
A21	823713.88	837274	4.2	4.5	91	0
A22	823645.12	837066.12	3.5	4.5	91	0
A23	823920.62	837886.69	3.6	4.5	91	0
A24	823927.69	837923.62	3.5	4.5	91	0
A25	823756	838085.19	4.9	4.5	91	0
A26	823040.62	838098.62	4.4	4.5	91	0
A27	823465.59	837089.89	4.5	4.5	91	0
A28	823286.57	837864.24	4.3	4.5	91	1
A29	823279.17	837826.61	4.3	4.5	91	1
A30	823293.2	837534.53	4.5	4.5	91	1
A31	823393.53	837959.69	3.9	4.5	91	1
A32	823353.02	837069.09	4.5	4.5	91	0
A33	823439.27	837932.11	3.9	4.5	91	1
A34	823424.53	838140.16	5.2	4.5	91	0
A35	823581.4	838166.28	5	4.5	91	0
A36	823703.1	837968.5	3.5	4.5	91	0
A1P	823478.5	837806.7	2	4.5	92	1
A2P	823371	837176.69	5	4.5	91	0
A3P	823392.81	837419.12	7	4.5	91	0
A4P	823424.31	837553.12	3	4.5	91	1
A5P	823687.88	837719	3	4.5	92	0
V01	823571.7	837355.7	3	4.5	91	0
V02	823780.1	837738.47	2.4	4.5	91	0
V03	823524.7	837232	3	4.5	91	0
V04	823384.5	837124.2	4.8	4.5	91	0
A01	823101.12	837242.38	4.4	7.5	91	0
A01A	823124.28	837181.3	4.4	7.5	91	0
A02	823092.84	837313.97	4.4	7.5	91	0
A02A	823119.86	837359.05	4.4	7.5	91	0
A03	823260.81	837373.69	4.4	7.5	91	0
A04	823276.81	837456.12	4.3	7.5	91	0
A05	823287.12	837673.88	4.2	7.5	91	1
A05A	823269.63	837644.52	4.2	7.5	91	1
A05B	823308.73	837726.21	4.2	7.5	91	1
A06	823405	837870	4.2	7.5	91	0
A06A	823365.92	837883.55	4.2	7.5	91	0
A07	823788.62	837882.5	3.1	7.5	91	0
A08	823679.12	837571.69	2.3	7.5	91	0
A09	823717.31	837567	3.5	7.5	91	0
A10	823227.62	837343.88	4.4	7.5	91	0

ASR	X	Y	Z	Height above ground	1st Highest Daily PM2.5 (With Bkg. Level), µg/m^3 * & ** With Bkg. Level	1st Highest Daily PM2.5 (W/o Bkg.), µg/m^3 ** Without Bkg.
A10A	823188.8	837327.28	4.4	7.5	91	0
A11	823382.12	837043.19	4.5	7.5	91	0
A12	823509.19	837017.62	6.5	7.5	91	0
A13	823171.38	837105	4.6	7.5	91	0
A14	823175.5	837030.5	4.4	7.5	91	0
A15	823271.81	836947.19	4.1	7.5	91	0
A16	823496	837908.19	4.2	7.5	91	1
A16A	823470.21	837871.64	4.2	7.5	91	0
A17	823500.62	838152.38	5.7	7.5	91	0
A18	823725.62	838015.88	3.5	7.5	91	0
A19	823749.5	837459.62	3.3	7.5	91	0
A20	823745.38	837355.31	4.2	7.5	91	0
A21	823713.88	837274	4.2	7.5	91	0
A22	823645.12	837066.12	3.5	7.5	91	0
A23	823920.62	837886.69	3.6	7.5	91	0
A24	823927.69	837923.62	3.5	7.5	91	0
A25	823756	838085.19	4.9	7.5	91	0
A26	823040.62	838098.62	4.4	7.5	91	0
A27	823465.59	837089.89	4.5	7.5	91	0
A28	823286.57	837864.24	4.3	7.5	91	0
A29	823279.17	837826.61	4.3	7.5	91	0
A30	823293.2	837534.53	4.5	7.5	91	1
A31	823393.53	837959.69	3.9	7.5	91	1
A32	823353.02	837069.09	4.5	7.5	91	0
A33	823439.27	837932.11	3.9	7.5	91	1
A34	823424.53	838140.16	5.2	7.5	91	0
A35	823581.4	838166.28	5	7.5	91	0
A36	823703.1	837968.5	3.5	7.5	91	0
A1P	823478.5	837806.7	2	7.5	91	1
A2P	823371	837176.69	5	7.5	91	0
A3P	823392.81	837419.12	7	7.5	91	0
A4P	823424.31	837553.12	3	7.5	91	0
A5P	823687.88	837719	3	7.5	91	0
V01	823571.7	837355.7	3	7.5	91	0
V02	823780.1	837738.47	2.4	7.5	91	0
V03	823524.7	837232	3	7.5	91	0
V04	823384.5	837124.2	4.8	7.5	91	0
Max. PM2.5 Level, ug/m^3					**94**	**4**
No. of Exceedance					**3**	**-**
Relevant AQO Criteria, ug/m^3					75	75
No. of Exceedance Allowed					9	-
Compliance with AQO Criteria?					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 PM2.5 concentrations are calculated based on the predicted RSP concentrations by applying a PM2.5/RSP ratio of 0.3 according to the USEPA AP-42 reference document. Please refer to Appendix 3-10 for the justification of PM2.5/RSP ratio.

Appendix 3-7C Summary Table of Annual Average RSP Level of the Northern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Annual Average RSP (With Bkg. Level), µg/m³ * With Bkg. Level	1st Highest Annual Average RSP (W/o Bkg.), µg/m³ Without Bkg.
A01	823101.12	837242.38	4.4	1.5	43.3	0.0
A01A	823124.28	837181.3	4.4	1.5	43.3	0.0
A02	823092.84	837313.97	4.4	1.5	43.3	0.1
A02A	823119.86	837359.05	4.4	1.5	43.3	0.1
A03	823260.81	837373.69	4.4	1.5	43.3	0.1
A04	823276.81	837456.12	4.3	1.5	43.4	0.1
A05	823287.12	837673.88	4.2	1.5	43.8	0.5
A05A	823269.63	837644.52	4.2	1.5	43.9	**0.6**
A05B	823308.73	837726.21	4.2	1.5	**43.8**	0.6
A06	823405	837870	4.2	1.5	43.7	0.5
A06A	823365.92	837883.55	4.2	1.5	43.7	0.4
A07	823788.62	837882.5	3.1	1.5	43.3	0.0
A08	823679.12	837571.69	2.3	1.5	43.3	0.0
A09	823717.31	837567	3.5	1.5	43.3	0.0
A10	823227.62	837343.88	4.4	1.5	43.3	0.1
A10A	823188.8	837327.28	4.4	1.5	43.3	0.1
A11	823382.12	837043.19	4.5	1.5	43.3	0.0
A12	823509.19	837017.62	6.5	1.5	43.2	0.0
A13	823171.38	837105	4.6	1.5	43.3	0.0
A14	823175.5	837030.5	4.4	1.5	43.3	0.0
A15	823271.81	836947.19	4.1	1.5	43.3	0.0
A16	823496	837908.19	4.2	1.5	43.4	0.2
A16A	823470.21	837871.64	4.2	1.5	43.6	0.3
A17	823500.62	838152.38	5.7	1.5	43.3	0.0
A18	823725.62	838015.88	3.5	1.5	43.3	0.0
A19	823749.5	837459.62	3.3	1.5	43.2	0.0
A20	823745.38	837355.31	4.2	1.5	43.2	0.0
A21	823713.88	837274	4.2	1.5	43.2	0.0
A22	823645.12	837066.12	3.5	1.5	43.2	0.0
A23	823920.62	837886.69	3.6	1.5	43.3	0.0
A24	823927.69	837923.62	3.5	1.5	43.3	0.0
A25	823756	838085.19	4.9	1.5	43.3	0.0
A26	823040.62	838098.62	4.4	1.5	43.3	0.0
A27	823465.59	837089.89	4.5	1.5	43.2	0.0
A28	823286.57	837864.24	4.3	1.5	43.4	0.2
A29	823279.17	837826.61	4.3	1.5	43.5	0.3
A30	823293.2	837534.53	4.5	1.5	43.6	0.4
A31	823393.53	837959.69	3.9	1.5	43.4	0.2
A32	823353.02	837069.09	4.5	1.5	43.3	0.0
A33	823439.27	837932.11	3.9	1.5	43.5	0.2
A34	823424.53	838140.16	5.2	1.5	43.3	0.1
A35	823581.4	838166.28	5	1.5	43.3	0.0
A36	823703.1	837968.5	3.5	1.5	43.3	0.0
A1P	823478.5	837806.7	2	1.5	**43.7**	0.4
A2P	823371	837176.69	5	1.5	43.3	0.0
A3P	823392.81	837419.12	7	1.5	43.3	0.0
A4P	823424.31	837553.12	3	1.5	43.3	0.1
A5P	823687.88	837719	3	1.5	43.3	0.0
V01	823571.7	837355.7	3	1.5	43.3	0.0
V02	823780.1	837738.47	2.4	1.5	43.3	0.0
V03	823524.7	837232	3	1.5	43.3	0.0
V04	823384.5	837124.2	4.8	1.5	43.3	0.0
A01	823101.12	837242.38	4.4	4.5	43.3	0.0
A01A	823124.28	837181.3	4.4	4.5	43.3	0.0
A02	823092.84	837313.97	4.4	4.5	43.3	0.1
A02A	823119.86	837359.05	4.4	4.5	43.3	0.1
A03	823260.81	837373.69	4.4	4.5	43.3	0.1
A04	823276.81	837456.12	4.3	4.5	43.4	0.1
A05	823287.12	837673.88	4.2	4.5	43.5	0.3
A05A	823269.63	837644.52	4.2	4.5	43.5	0.3
A05B	823308.73	837726.21	4.2	4.5	43.5	0.3
A06	823405	837870	4.2	4.5	43.4	0.2
A06A	823365.92	837883.55	4.2	4.5	43.4	0.2
A07	823788.62	837882.5	3.1	4.5	43.3	0.0
A08	823679.12	837571.69	2.3	4.5	43.3	0.0
A09	823717.31	837567	3.5	4.5	43.3	0.0
A10	823227.62	837343.88	4.4	4.5	43.3	0.1
A10A	823188.8	837327.28	4.4	4.5	43.3	0.1
A11	823382.12	837043.19	4.5	4.5	43.3	0.0
A12	823509.19	837017.62	6.5	4.5	43.2	0.0
A13	823171.38	837105	4.6	4.5	43.3	0.0
A14	823175.5	837030.5	4.4	4.5	43.3	0.0
A15	823271.81	836947.19	4.1	4.5	43.3	0.0
A16	823496	837908.19	4.2	4.5	43.3	0.1
A16A	823470.21	837871.64	4.2	4.5	43.4	0.1
A17	823500.62	838152.38	5.7	4.5	43.3	0.0
A18	823725.62	838015.88	3.5	4.5	43.3	0.0
A19	823749.5	837459.62	3.3	4.5	43.2	0.0
A20	823745.38	837355.31	4.2	4.5	43.2	0.0
A21	823713.88	837274	4.2	4.5	43.2	0.0
A22	823645.12	837066.12	3.5	4.5	43.2	0.0
A23	823920.62	837886.69	3.6	4.5	43.3	0.0
A24	823927.69	837923.62	3.5	4.5	43.3	0.0
A25	823756	838085.19	4.9	4.5	43.3	0.0
A26	823040.62	838098.62	4.4	4.5	43.3	0.0
A27	823465.59	837089.89	4.5	4.5	43.2	0.0
A28	823286.57	837864.24	4.3	4.5	43.3	0.1
A29	823279.17	837826.61	4.3	4.5	43.4	0.1
A30	823293.2	837534.53	4.5	4.5	43.5	0.2
A31	823393.53	837959.69	3.9	4.5	43.4	0.1
A32	823353.02	837069.09	4.5	4.5	43.3	0.0
A33	823439.27	837932.11	3.9	4.5	43.4	0.1
A34	823424.53	838140.16	5.2	4.5	43.3	0.0
A35	823581.4	838166.28	5	4.5	43.3	0.0
A36	823703.1	837968.5	3.5	4.5	43.3	0.0
A1P	823478.5	837806.7	2	4.5	43.4	0.2
A2P	823371	837176.69	5	4.5	43.3	0.0
A3P	823392.81	837419.12	7	4.5	43.3	0.0
A4P	823424.31	837553.12	3	4.5	43.3	0.1
A5P	823687.88	837719	3	4.5	43.3	0.0
V01	823571.7	837355.7	3	4.5	43.3	0.0
V02	823780.1	837738.47	2.4	4.5	43.3	0.0
V03	823524.7	837232	3	4.5	43.3	0.0
V04	823384.5	837124.2	4.8	4.5	43.3	0.0
A01	823101.12	837242.38	4.4	7.5	43.3	0.0
A01A	823124.28	837181.3	4.4	7.5	43.3	0.0
A02	823092.84	837313.97	4.4	7.5	43.3	0.1
A02A	823119.86	837359.05	4.4	7.5	43.3	0.1
A03	823260.81	837373.69	4.4	7.5	43.3	0.1
A04	823276.81	837456.12	4.3	7.5	43.3	0.1
A05	823287.12	837673.88	4.2	7.5	43.4	0.1
A05A	823269.63	837644.52	4.2	7.5	43.4	0.2
A05B	823308.73	837726.21	4.2	7.5	43.4	0.1
A06	823405	837870	4.2	7.5	43.3	0.1
A06A	823365.92	837883.55	4.2	7.5	43.3	0.1
A07	823788.62	837882.5	3.1	7.5	43.3	0.0
A08	823679.12	837571.69	2.3	7.5	43.3	0.0
A09	823717.31	837567	3.5	7.5	43.3	0.0
A10	823227.62	837343.88	4.4	7.5	43.3	0.1
A10A	823188.8	837327.28	4.4	7.5	43.3	0.1

ASR	X	Y	Z	Height above ground	1st Highest Annual Average RSP (With Bkg. Level), µg/m^3 * With Bkg. Level	1st Highest Annual Average RSP (W/o Bkg.), µg/m^3 Without Bkg.
A11	823382.12	837043.19	4.5	7.5	43.3	0.0
A12	823509.19	837017.62	6.5	7.5	43.2	0.0
A13	823171.38	837105	4.6	7.5	43.3	0.0
A14	823175.5	837030.5	4.4	7.5	43.3	0.0
A15	823271.81	836947.19	4.1	7.5	43.3	0.0
A16	823496	837908.19	4.2	7.5	43.3	0.1
A16A	823470.21	837871.64	4.2	7.5	43.3	0.1
A17	823500.62	838152.38	5.7	7.5	43.3	0.0
A18	823725.62	838015.88	3.5	7.5	43.3	0.0
A19	823749.5	837459.62	3.3	7.5	43.2	0.0
A20	823745.38	837355.31	4.2	7.5	43.2	0.0
A21	823713.88	837274	4.2	7.5	43.2	0.0
A22	823645.12	837066.12	3.5	7.5	43.2	0.0
A23	823920.62	837886.69	3.6	7.5	43.3	0.0
A24	823927.69	837923.62	3.5	7.5	43.3	0.0
A25	823756	838085.19	4.9	7.5	43.3	0.0
A26	823040.62	838098.62	4.4	7.5	43.3	0.0
A27	823465.59	837089.89	4.5	7.5	43.2	0.0
A28	823286.57	837864.24	4.3	7.5	43.3	0.1
A29	823279.17	837826.61	4.3	7.5	43.3	0.1
A30	823293.2	837534.53	4.5	7.5	43.4	0.2
A31	823393.53	837959.69	3.9	7.5	43.3	0.1
A32	823353.02	837069.09	4.5	7.5	43.3	0.0
A33	823439.27	837932.11	3.9	7.5	43.3	0.1
A34	823424.53	838140.16	5.2	7.5	43.3	0.0
A35	823581.4	838166.28	5	7.5	43.3	0.0
A36	823703.1	837968.5	3.5	7.5	43.3	0.0
A1P	823478.5	837806.7	2	7.5	43.3	0.1
A2P	823371	837176.69	5	7.5	43.3	0.0
A3P	823392.81	837419.12	7	7.5	43.3	0.0
A4P	823424.31	837553.12	3	7.5	43.3	0.1
A5P	823687.88	837719	3	7.5	43.3	0.0
V01	823571.7	837355.7	3	7.5	43.3	0.0
V02	823780.1	837738.47	2.4	7.5	43.3	0.0
V03	823524.7	837232	3	7.5	43.3	0.0
V04	823384.5	837124.2	4.8	7.5	43.3	0.0
Max. RSP Level, ug/m^3					**43.9**	**0.6**
Relevant AQO Criteria, ug/m^3					50	50
Compliance with AQO Criteria?					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 3-7D Summary Table of Annual Average PM2.5 Level of the Northern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Annual Average PM2.5 (With Bkg. Level), µg/m^3 * & ** With Bkg. Level	1st Highest Annual Average PM2.5 (W/o Bkg.), µg/m^3 ** Without Bkg.
A01	823101.12	837242.38	4.4	1.5	30.7	0.0
A01A	823124.28	837181.3	4.4	1.5	30.7	0.0
A02	823092.84	837313.97	4.4	1.5	30.7	0.0
A02A	823119.86	837359.05	4.4	1.5	30.7	0.0
A03	823260.81	837373.69	4.4	1.5	30.7	0.0
A04	823276.81	837456.12	4.3	1.5	30.7	0.0
A05	823287.12	837673.88	4.2	1.5	30.9	0.2
A05A	823269.63	837644.52	4.2	1.5	**30.9**	**0.2**
A05B	823308.73	837726.21	4.2	1.5	30.9	**0.2**
A06	823405	837870	4.2	1.5	30.8	0.1
A06A	823365.92	837883.55	4.2	1.5	30.8	0.1
A07	823788.62	837882.5	3.1	1.5	30.7	0.0
A08	823679.12	837571.69	2.3	1.5	30.7	0.0
A09	823717.31	837567	3.5	1.5	30.7	0.0
A10	823227.62	837343.88	4.4	1.5	30.7	0.0
A10A	823188.8	837327.28	4.4	1.5	30.7	0.0
A11	823382.12	837043.19	4.5	1.5	30.7	0.0
A12	823509.19	837017.62	6.5	1.5	30.7	0.0
A13	823171.38	837105	4.6	1.5	30.7	0.0
A14	823175.5	837030.5	4.4	1.5	30.7	0.0
A15	823271.81	836947.19	4.1	1.5	30.7	0.0
A16	823496	837908.19	4.2	1.5	30.8	0.0
A16A	823470.21	837871.64	4.2	1.5	30.8	0.1
A17	823500.62	838152.38	5.7	1.5	30.7	0.0
A18	823725.62	838015.88	3.5	1.5	30.7	0.0
A19	823749.5	837459.62	3.3	1.5	30.7	0.0
A20	823745.38	837355.31	4.2	1.5	30.7	0.0
A21	823713.88	837274	4.2	1.5	30.7	0.0
A22	823645.12	837066.12	3.5	1.5	30.7	0.0
A23	823920.62	837886.69	3.6	1.5	30.7	0.0
A24	823927.69	837923.62	3.5	1.5	30.7	0.0
A25	823756	838085.19	4.9	1.5	30.7	0.0
A26	823040.62	838098.62	4.4	1.5	30.7	0.0
A27	823465.59	837089.89	4.5	1.5	30.7	0.0
A28	823286.57	837864.24	4.3	1.5	30.8	0.1
A29	823279.17	837826.61	4.3	1.5	30.8	0.1
A30	823293.2	837534.53	4.5	1.5	30.8	0.1
A31	823393.53	837959.69	3.9	1.5	30.8	0.0
A32	823353.02	837069.09	4.5	1.5	30.7	0.0
A33	823439.27	837932.11	3.9	1.5	30.8	0.1
A34	823424.53	838140.16	5.2	1.5	30.7	0.0
A35	823581.4	838166.28	5	1.5	30.7	0.0
A36	823703.1	837968.5	3.5	1.5	30.7	0.0
A1P	823478.5	837806.7	2	1.5	**30.8**	0.1
A2P	823371	837176.69	5	1.5	30.7	0.0
A3P	823392.81	837419.12	7	1.5	30.7	0.0
A4P	823424.31	837553.12	3	1.5	30.7	0.0
A5P	823687.88	837719	3	1.5	30.7	0.0
V01	823571.7	837355.7	3	1.5	30.7	0.0
V02	823780.1	837738.47	2.4	1.5	30.7	0.0
V03	823524.7	837232	3	1.5	30.7	0.0
V04	823384.5	837124.2	4.8	1.5	30.7	0.0
A01	823101.12	837242.38	4.4	4.5	30.7	0.0
A01A	823124.28	837181.3	4.4	4.5	30.7	0.0
A02	823092.84	837313.97	4.4	4.5	30.7	0.0
A02A	823119.86	837359.05	4.4	4.5	30.7	0.0
A03	823260.81	837373.69	4.4	4.5	30.7	0.0
A04	823276.81	837456.12	4.3	4.5	30.7	0.0
A05	823287.12	837673.88	4.2	4.5	30.8	0.1
A05A	823269.63	837644.52	4.2	4.5	30.8	0.1
A05B	823308.73	837726.21	4.2	4.5	30.8	0.1
A06	823405	837870	4.2	4.5	30.8	0.0
A06A	823365.92	837883.55	4.2	4.5	30.8	0.1
A07	823788.62	837882.5	3.1	4.5	30.7	0.0
A08	823679.12	837571.69	2.3	4.5	30.7	0.0
A09	823717.31	837567	3.5	4.5	30.7	0.0
A10	823227.62	837343.88	4.4	4.5	30.7	0.0
A10A	823188.8	837327.28	4.4	4.5	30.7	0.0
A11	823382.12	837043.19	4.5	4.5	30.7	0.0
A12	823509.19	837017.62	6.5	4.5	30.7	0.0
A13	823171.38	837105	4.6	4.5	30.7	0.0
A14	823175.5	837030.5	4.4	4.5	30.7	0.0
A15	823271.81	836947.19	4.1	4.5	30.7	0.0
A16	823496	837908.19	4.2	4.5	30.7	0.0
A16A	823470.21	837871.64	4.2	4.5	30.7	0.0
A17	823500.62	838152.38	5.7	4.5	30.7	0.0
A18	823725.62	838015.88	3.5	4.5	30.7	0.0
A19	823749.5	837459.62	3.3	4.5	30.7	0.0
A20	823745.38	837355.31	4.2	4.5	30.7	0.0
A21	823713.88	837274	4.2	4.5	30.7	0.0
A22	823645.12	837066.12	3.5	4.5	30.7	0.0
A23	823920.62	837886.69	3.6	4.5	30.7	0.0
A24	823927.69	837923.62	3.5	4.5	30.7	0.0
A25	823756	838085.19	4.9	4.5	30.7	0.0
A26	823040.62	838098.62	4.4	4.5	30.7	0.0
A27	823465.59	837089.89	4.5	4.5	30.7	0.0
A28	823286.57	837864.24	4.3	4.5	30.7	0.0
A29	823279.17	837826.61	4.3	4.5	30.7	0.0
A30	823293.2	837534.53	4.5	4.5	30.8	0.1
A31	823393.53	837959.69	3.9	4.5	30.7	0.0
A32	823353.02	837069.09	4.5	4.5	30.7	0.0
A33	823439.27	837932.11	3.9	4.5	30.7	0.0
A34	823424.53	838140.16	5.2	4.5	30.7	0.0
A35	823581.4	838166.28	5	4.5	30.7	0.0
A36	823703.1	837968.5	3.5	4.5	30.7	0.0
A1P	823478.5	837806.7	2	4.5	30.8	0.1
A2P	823371	837176.69	5	4.5	30.7	0.0
A3P	823392.81	837419.12	7	4.5	30.7	0.0
A4P	823424.31	837553.12	3	4.5	30.7	0.0
A5P	823687.88	837719	3	4.5	30.7	0.0
V01	823571.7	837355.7	3	4.5	30.7	0.0
V02	823780.1	837738.47	2.4	4.5	30.7	0.0
V03	823524.7	837232	3	4.5	30.7	0.0
V04	823384.5	837124.2	4.8	4.5	30.7	0.0
A01	823101.12	837242.38	4.4	7.5	30.7	0.0
A01A	823124.28	837181.3	4.4	7.5	30.7	0.0
A02	823092.84	837313.97	4.4	7.5	30.7	0.0
A02A	823119.86	837359.05	4.4	7.5	30.7	0.0
A03	823260.81	837373.69	4.4	7.5	30.7	0.0
A04	823276.81	837456.12	4.3	7.5	30.7	0.0
A05	823287.12	837673.88	4.2	7.5	30.7	0.0
A05A	823269.63	837644.52	4.2	7.5	30.7	0.0
A05B	823308.73	837726.21	4.2	7.5	30.7	0.0
A06	823405	837870	4.2	7.5	30.7	0.0
A06A	823365.92	837883.55	4.2	7.5	30.7	0.0
A07	823788.62	837882.5	3.1	7.5	30.7	0.0
A08	823679.12	837571.69	2.3	7.5	30.7	0.0
A09	823717.31	837567	3.5	7.5	30.7	0.0
A10	823227.62	837343.88	4.4	7.5	30.7	0.0

ASR	X	Y	Z	Height above ground	1st Highest Annual Average PM2.5 (With Bkg. Level), µg/m^3 * & ** With Bkg. Level	1st Highest Annual Average PM2.5 (W/o Bkg.), µg/m^3 ** Without Bkg.
A10A	823188.8	837327.28	4.4	7.5	30.7	0.0
A11	823382.12	837043.19	4.5	7.5	30.7	0.0
A12	823509.19	837017.62	6.5	7.5	30.7	0.0
A13	823171.38	837105	4.6	7.5	30.7	0.0
A14	823175.5	837030.5	4.4	7.5	30.7	0.0
A15	823271.81	836947.19	4.1	7.5	30.7	0.0
A16	823496	837908.19	4.2	7.5	30.7	0.0
A16A	823470.21	837871.64	4.2	7.5	30.7	0.0
A17	823500.62	838152.38	5.7	7.5	30.7	0.0
A18	823725.62	838015.88	3.5	7.5	30.7	0.0
A19	823749.5	837459.62	3.3	7.5	30.7	0.0
A20	823745.38	837355.31	4.2	7.5	30.7	0.0
A21	823713.88	837274	4.2	7.5	30.7	0.0
A22	823645.12	837066.12	3.5	7.5	30.7	0.0
A23	823920.62	837886.69	3.6	7.5	30.7	0.0
A24	823927.69	837923.62	3.5	7.5	30.7	0.0
A25	823756	838085.19	4.9	7.5	30.7	0.0
A26	823040.62	838098.62	4.4	7.5	30.7	0.0
A27	823465.59	837089.89	4.5	7.5	30.7	0.0
A28	823286.57	837864.24	4.3	7.5	30.7	0.0
A29	823279.17	837826.61	4.3	7.5	30.7	0.0
A30	823293.2	837534.53	4.5	7.5	30.8	0.0
A31	823393.53	837959.69	3.9	7.5	30.7	0.0
A32	823353.02	837069.09	4.5	7.5	30.7	0.0
A33	823439.27	837932.11	3.9	7.5	30.7	0.0
A34	823424.53	838140.16	5.2	7.5	30.7	0.0
A35	823581.4	838166.28	5	7.5	30.7	0.0
A36	823703.1	837968.5	3.5	7.5	30.7	0.0
A1P	823478.5	837806.7	2	7.5	30.7	0.0
A2P	823371	837176.69	5	7.5	30.7	0.0
A3P	823392.81	837419.12	7	7.5	30.7	0.0
A4P	823424.31	837553.12	3	7.5	30.7	0.0
A5P	823687.88	837719	3	7.5	30.7	0.0
V01	823571.7	837355.7	3	7.5	30.7	0.0
V02	823780.1	837738.47	2.4	7.5	30.7	0.0
V03	823524.7	837232	3	7.5	30.7	0.0
V04	823384.5	837124.2	4.8	7.5	30.7	0.0
Max. PM2.5 Level, ug/m^3					**30.9**	**0.2**
Relevant AQO Criteria, ug/m^3					35	35
Compliance with AQO Criteria?					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 PM2.5 concentrations are calculated based on the predicted RSP concentrations by applying a PM2.5/RSP ratio of 0.3 according to the USEPA AP-42 reference document. Please refer to Appendix 3-10 for the justification of PM2.5/RSP ratio.

Southern Portion

Appendix 3-7E Summary Table of Daily Average RSP Level of the Southern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Daily RSP (With Bkg. Level), µg/m³ * With Bkg. Level	1st Highest Daily RSP (W/o Bkg.), µg/m³ Without Bkg.
A01	823101.12	837242.38	4.4	1.5	**117**	13
A01A	823124.28	837181.3	4.4	1.5	114	8
A02	823092.84	837313.97	4.4	1.5	111	11
A02A	823119.86	837359.05	4.4	1.5	111	7
A03	823260.81	837373.69	4.4	1.5	111	11
A04	823276.81	837456.12	4.3	1.5	111	**14**
A05	823287.12	837673.88	4.2	1.5	111	1
A05A	823269.63	837644.52	4.2	1.5	111	2
A05B	823308.73	837726.21	4.2	1.5	111	1
A06	823405	837870	4.2	1.5	111	1
A06A	823365.92	837883.55	4.2	1.5	111	1
A07	823788.62	837882.5	3.1	1.5	111	0
A08	823679.12	837571.69	2.3	1.5	111	1
A09	823717.31	837567	3.5	1.5	111	1
A10	823227.62	837343.88	4.4	1.5	112	5
A10A	823188.8	837327.28	4.4	1.5	113	4
A11	823382.12	837043.19	4.5	1.5	111	1
A12	823509.19	837017.62	6.5	1.5	111	0
A13	823171.38	837105	4.6	1.5	111	11
A14	823175.5	837030.5	4.4	1.5	111	5
A15	823271.81	836947.19	4.1	1.5	111	1
A16	823496	837908.19	4.2	1.5	111	0
A16A	823470.21	837871.64	4.2	1.5	111	0
A17	823500.62	838152.38	5.7	1.5	111	0
A18	823725.62	838015.88	3.5	1.5	111	0
A19	823749.5	837459.62	3.3	1.5	111	0
A20	823745.38	837355.31	4.2	1.5	111	1
A21	823713.88	837274	4.2	1.5	111	0
A22	823645.12	837066.12	3.5	1.5	111	0
A23	823920.62	837886.69	3.6	1.5	111	0
A24	823927.69	837923.62	3.5	1.5	111	0
A25	823756	838085.19	4.9	1.5	111	0
A26	823040.62	838098.62	4.4	1.5	111	0
A27	823465.59	837089.89	4.5	1.5	111	1
A28	823286.57	837864.24	4.3	1.5	111	1
A29	823279.17	837826.61	4.3	1.5	111	1
A30	823293.2	837534.53	4.5	1.5	111	4
A31	823393.53	837959.69	3.9	1.5	111	1
A32	823353.02	837069.09	4.5	1.5	111	1
A33	823439.27	837932.11	3.9	1.5	111	1
A34	823424.53	838140.16	5.2	1.5	111	0
A35	823581.4	838166.28	5	1.5	111	0
A36	823703.1	837968.5	3.5	1.5	111	0
A1P	823478.5	837806.7	2	1.5	111	1
A2P	823371	837176.69	5	1.5	111	2
A3P	823392.81	837419.12	7	1.5	111	5
A4P	823424.31	837553.12	3	1.5	111	2
A5P	823687.88	837719	3	1.5	111	0
V01	823571.7	837355.7	3	1.5	111	1
V02	823780.1	837738.47	2.4	1.5	111	0
V03	823524.7	837232	3	1.5	111	1
V04	823384.5	837124.2	4.8	1.5	112	2
A01	823101.12	837242.38	4.4	4.5	112	5
A01A	823124.28	837181.3	4.4	4.5	113	5
A02	823092.84	837313.97	4.4	4.5	111	5
A02A	823119.86	837359.05	4.4	4.5	111	2
A03	823260.81	837373.69	4.4	4.5	111	5
A04	823276.81	837456.12	4.3	4.5	111	4
A05	823287.12	837673.88	4.2	4.5	111	1
A05A	823269.63	837644.52	4.2	4.5	111	1
A05B	823308.73	837726.21	4.2	4.5	111	1
A06	823405	837870	4.2	4.5	111	1
A06A	823365.92	837883.55	4.2	4.5	111	1
A07	823788.62	837882.5	3.1	4.5	111	0
A08	823679.12	837571.69	2.3	4.5	111	1
A09	823717.31	837567	3.5	4.5	111	1
A10	823227.62	837343.88	4.4	4.5	111	3
A10A	823188.8	837327.28	4.4	4.5	112	3
A11	823382.12	837043.19	4.5	4.5	111	1
A12	823509.19	837017.62	6.5	4.5	111	0
A13	823171.38	837105	4.6	4.5	111	4
A14	823175.5	837030.5	4.4	4.5	111	4
A15	823271.81	836947.19	4.1	4.5	111	1
A16	823496	837908.19	4.2	4.5	111	0
A16A	823470.21	837871.64	4.2	4.5	111	0
A17	823500.62	838152.38	5.7	4.5	111	0
A18	823725.62	838015.88	3.5	4.5	111	0
A19	823749.5	837459.62	3.3	4.5	111	0
A20	823745.38	837355.31	4.2	4.5	111	0
A21	823713.88	837274	4.2	4.5	111	0
A22	823645.12	837066.12	3.5	4.5	111	0
A23	823920.62	837886.69	3.6	4.5	111	0
A24	823927.69	837923.62	3.5	4.5	111	0
A25	823756	838085.19	4.9	4.5	111	0
A26	823040.62	838098.62	4.4	4.5	111	0
A27	823465.59	837089.89	4.5	4.5	111	1
A28	823286.57	837864.24	4.3	4.5	111	0
A29	823279.17	837826.61	4.3	4.5	111	1
A30	823293.2	837534.53	4.5	4.5	111	2
A31	823393.53	837959.69	3.9	4.5	111	1
A32	823353.02	837069.09	4.5	4.5	111	1
A33	823439.27	837932.11	3.9	4.5	111	1
A34	823424.53	838140.16	5.2	4.5	111	0
A35	823581.4	838166.28	5	4.5	111	0
A36	823703.1	837968.5	3.5	4.5	111	0
A1P	823478.5	837806.7	2	4.5	111	1
A2P	823371	837176.69	5	4.5	111	2
A3P	823392.81	837419.12	7	4.5	111	3
A4P	823424.31	837553.12	3	4.5	111	2
A5P	823687.88	837719	3	4.5	111	0
V01	823571.7	837355.7	3	4.5	111	1
V02	823780.1	837738.47	2.4	4.5	111	0
V03	823524.7	837232	3	4.5	111	1
V04	823384.5	837124.2	4.8	4.5	112	1
A01	823101.12	837242.38	4.4	7.5	111	2
A01A	823124.28	837181.3	4.4	7.5	112	2
A02	823092.84	837313.97	4.4	7.5	111	2
A02A	823119.86	837359.05	4.4	7.5	111	1
A03	823260.81	837373.69	4.4	7.5	111	2
A04	823276.81	837456.12	4.3	7.5	111	2
A05	823287.12	837673.88	4.2	7.5	111	1
A05A	823269.63	837644.52	4.2	7.5	111	1
A05B	823308.73	837726.21	4.2	7.5	111	1
A06	823405	837870	4.2	7.5	111	1
A06A	823365.92	837883.55	4.2	7.5	111	1
A07	823788.62	837882.5	3.1	7.5	111	0
A08	823679.12	837571.69	2.3	7.5	111	1
A09	823717.31	837567	3.5	7.5	111	0
A10	823227.62	837343.88	4.4	7.5	111	2
A10A	823188.8	837327.28	4.4	7.5	111	2

ASR	X	Y	Z	Height above ground	1st Highest Daily RSP (With Bkg. Level), µg/m³ * With Bkg. Level	1st Highest Daily RSP (W/o Bkg.), µg/m³ Without Bkg.
A11	823382.12	837043.19	4.5	7.5	111	0
A12	823509.19	837017.62	6.5	7.5	111	0
A13	823171.38	837105	4.6	7.5	111	3
A14	823175.5	837030.5	4.4	7.5	111	2
A15	823271.81	836947.19	4.1	7.5	111	1
A16	823496	837908.19	4.2	7.5	111	0
A16A	823470.21	837871.64	4.2	7.5	111	0
A17	823500.62	838152.38	5.7	7.5	111	0
A18	823725.62	838015.88	3.5	7.5	111	0
A19	823749.5	837459.62	3.3	7.5	111	0
A20	823745.38	837355.31	4.2	7.5	111	0
A21	823713.88	837274	4.2	7.5	111	0
A22	823645.12	837066.12	3.5	7.5	111	0
A23	823920.62	837886.69	3.6	7.5	111	0
A24	823927.69	837923.62	3.5	7.5	111	0
A25	823756	838085.19	4.9	7.5	111	0
A26	823040.62	838098.62	4.4	7.5	111	0
A27	823465.59	837089.89	4.5	7.5	111	1
A28	823286.57	837864.24	4.3	7.5	111	0
A29	823279.17	837826.61	4.3	7.5	111	0
A30	823293.2	837534.53	4.5	7.5	111	2
A31	823393.53	837959.69	3.9	7.5	111	1
A32	823353.02	837069.09	4.5	7.5	111	1
A33	823439.27	837932.11	3.9	7.5	111	1
A34	823424.53	838140.16	5.2	7.5	111	0
A35	823581.4	838166.28	5	7.5	111	0
A36	823703.1	837968.5	3.5	7.5	111	0
A1P	823478.5	837806.7	2	7.5	111	1
A2P	823371	837176.69	5	7.5	111	1
A3P	823392.81	837419.12	7	7.5	111	2
A4P	823424.31	837553.12	3	7.5	111	2
A5P	823687.88	837719	3	7.5	111	0
V01	823571.7	837355.7	3	7.5	111	1
V02	823780.1	837738.47	2.4	7.5	111	0
V03	823524.7	837232	3	7.5	111	1
V04	823384.5	837124.2	4.8	7.5	111	1
Max. RSP Level, ug/m³					**117**	**14**
No. of Exceedance @					**2**	**-**
Relevant AQO Criteria, ug/m³					100	100
No. of Exceedance Allowed					9	-
Compliance with AQO Criteria?					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.

@ No. of exceedance of the AQO during the duration of construction period (i.e. 7.5 months).

Appendix 3-7F Summary Table of Daily Average PM2.5 Level of the Southern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Daily PM2.5 (With Bkg. Level), µg/m³ * & ** With Bkg. Level	1st Highest Daily PM2.5 (W/o Bkg.), µg/m³ ** Without Bkg.
A01	823101.12	837242.38	4.4	1.5	**85**	4
A01A	823124.28	837181.3	4.4	1.5	84	3
A02	823092.84	837313.97	4.4	1.5	83	3
A02A	823119.86	837359.05	4.4	1.5	83	2
A03	823260.81	837373.69	4.4	1.5	83	3
A04	823276.81	837456.12	4.3	1.5	83	**4**
A05	823287.12	837673.88	4.2	1.5	83	0
A05A	823269.63	837644.52	4.2	1.5	83	1
A05B	823308.73	837726.21	4.2	1.5	83	0
A06	823405	837870	4.2	1.5	83	0
A06A	823365.92	837883.55	4.2	1.5	83	0
A07	823788.62	837882.5	3.1	1.5	83	0
A08	823679.12	837571.69	2.3	1.5	83	0
A09	823717.31	837567	3.5	1.5	83	0
A10	823227.62	837343.88	4.4	1.5	83	1
A10A	823188.8	837327.28	4.4	1.5	84	1
A11	823382.12	837043.19	4.5	1.5	83	0
A12	823509.19	837017.62	6.5	1.5	83	0
A13	823171.38	837105	4.6	1.5	83	3
A14	823175.5	837030.5	4.4	1.5	83	2
A15	823271.81	836947.19	4.1	1.5	83	0
A16	823496	837908.19	4.2	1.5	83	0
A16A	823470.21	837871.64	4.2	1.5	83	0
A17	823500.62	838152.38	5.7	1.5	83	0
A18	823725.62	838015.88	3.5	1.5	83	0
A19	823749.5	837459.62	3.3	1.5	83	0
A20	823745.38	837355.31	4.2	1.5	83	0
A21	823713.88	837274	4.2	1.5	83	0
A22	823645.12	837066.12	3.5	1.5	83	0
A23	823920.62	837886.69	3.6	1.5	83	0
A24	823927.69	837923.62	3.5	1.5	83	0
A25	823756	838085.19	4.9	1.5	83	0
A26	823040.62	838098.62	4.4	1.5	83	0
A27	823465.59	837089.89	4.5	1.5	83	0
A28	823286.57	837864.24	4.3	1.5	83	0
A29	823279.17	837826.61	4.3	1.5	83	0
A30	823293.2	837534.53	4.5	1.5	83	1
A31	823393.53	837959.69	3.9	1.5	83	0
A32	823353.02	837069.09	4.5	1.5	83	0
A33	823439.27	837932.11	3.9	1.5	83	0
A34	823424.53	838140.16	5.2	1.5	83	0
A35	823581.4	838166.28	5	1.5	83	0
A36	823703.1	837968.5	3.5	1.5	83	0
A1P	823478.5	837806.7	2	1.5	83	0
A2P	823371	837176.69	5	1.5	83	1
A3P	823392.81	837419.12	7	1.5	83	1
A4P	823424.31	837553.12	3	1.5	83	1
A5P	823687.88	837719	3	1.5	83	0
V01	823571.7	837355.7	3	1.5	83	0
V02	823780.1	837738.47	2.4	1.5	83	0
V03	823524.7	837232	3	1.5	83	0
V04	823384.5	837124.2	4.8	1.5	83	1
A01	823101.12	837242.38	4.4	4.5	83	1
A01A	823124.28	837181.3	4.4	4.5	84	1
A02	823092.84	837313.97	4.4	4.5	83	1
A02A	823119.86	837359.05	4.4	4.5	83	0
A03	823260.81	837373.69	4.4	4.5	83	2
A04	823276.81	837456.12	4.3	4.5	83	1
A05	823287.12	837673.88	4.2	4.5	83	0
A05A	823269.63	837644.52	4.2	4.5	83	0
A05B	823308.73	837726.21	4.2	4.5	83	0
A06	823405	837870	4.2	4.5	83	0
A06A	823365.92	837883.55	4.2	4.5	83	0
A07	823788.62	837882.5	3.1	4.5	83	0
A08	823679.12	837571.69	2.3	4.5	83	0
A09	823717.31	837567	3.5	4.5	83	0
A10	823227.62	837343.88	4.4	4.5	83	1
A10A	823188.8	837327.28	4.4	4.5	83	1
A11	823382.12	837043.19	4.5	4.5	83	0
A12	823509.19	837017.62	6.5	4.5	83	0
A13	823171.38	837105	4.6	4.5	83	1
A14	823175.5	837030.5	4.4	4.5	83	1
A15	823271.81	836947.19	4.1	4.5	83	0
A16	823496	837908.19	4.2	4.5	83	0
A16A	823470.21	837871.64	4.2	4.5	83	0
A17	823500.62	838152.38	5.7	4.5	83	0
A18	823725.62	838015.88	3.5	4.5	83	0
A19	823749.5	837459.62	3.3	4.5	83	0
A20	823745.38	837355.31	4.2	4.5	83	0
A21	823713.88	837274	4.2	4.5	83	0
A22	823645.12	837066.12	3.5	4.5	83	0
A23	823920.62	837886.69	3.6	4.5	83	0
A24	823927.69	837923.62	3.5	4.5	83	0
A25	823756	838085.19	4.9	4.5	83	0
A26	823040.62	838098.62	4.4	4.5	83	0
A27	823465.59	837089.89	4.5	4.5	83	0
A28	823286.57	837864.24	4.3	4.5	83	0
A29	823279.17	837826.61	4.3	4.5	83	0
A30	823293.2	837534.53	4.5	4.5	83	1
A31	823393.53	837959.69	3.9	4.5	83	0
A32	823353.02	837069.09	4.5	4.5	83	0
A33	823439.27	837932.11	3.9	4.5	83	0
A34	823424.53	838140.16	5.2	4.5	83	0
A35	823581.4	838166.28	5	4.5	83	0
A36	823703.1	837968.5	3.5	4.5	83	0
A1P	823478.5	837806.7	2	4.5	83	0
A2P	823371	837176.69	5	4.5	83	0
A3P	823392.81	837419.12	7	4.5	83	1
A4P	823424.31	837553.12	3	4.5	83	1
A5P	823687.88	837719	3	4.5	83	0
V01	823571.7	837355.7	3	4.5	83	0
V02	823780.1	837738.47	2.4	4.5	83	0
V03	823524.7	837232	3	4.5	83	0
V04	823384.5	837124.2	4.8	4.5	83	0
A01	823101.12	837242.38	4.4	7.5	83	1
A01A	823124.28	837181.3	4.4	7.5	83	1
A02	823092.84	837313.97	4.4	7.5	83	1
A02A	823119.86	837359.05	4.4	7.5	83	0
A03	823260.81	837373.69	4.4	7.5	83	1
A04	823276.81	837456.12	4.3	7.5	83	1
A05	823287.12	837673.88	4.2	7.5	83	0
A05A	823269.63	837644.52	4.2	7.5	83	0
A05B	823308.73	837726.21	4.2	7.5	83	0
A06	823405	837870	4.2	7.5	83	0
A06A	823365.92	837883.55	4.2	7.5	83	0
A07	823788.62	837882.5	3.1	7.5	83	0
A08	823679.12	837571.69	2.3	7.5	83	0
A09	823717.31	837567	3.5	7.5	83	0
A10	823227.62	837343.88	4.4	7.5	83	1

ASR	X	Y	Z	Height above ground	1st Highest Daily PM2.5 (With Bkg. Level), µg/m^3 * & ** With Bkg. Level	1st Highest Daily PM2.5 (W/o Bkg.), µg/m^3 ** Without Bkg.
A10A	823188.8	837327.28	4.4	7.5	83	1
A11	823382.12	837043.19	4.5	7.5	83	0
A12	823509.19	837017.62	6.5	7.5	83	0
A13	823171.38	837105	4.6	7.5	83	1
A14	823175.5	837030.5	4.4	7.5	83	1
A15	823271.81	836947.19	4.1	7.5	83	0
A16	823496	837908.19	4.2	7.5	83	0
A16A	823470.21	837871.64	4.2	7.5	83	0
A17	823500.62	838152.38	5.7	7.5	83	0
A18	823725.62	838015.88	3.5	7.5	83	0
A19	823749.5	837459.62	3.3	7.5	83	0
A20	823745.38	837355.31	4.2	7.5	83	0
A21	823713.88	837274	4.2	7.5	83	0
A22	823645.12	837066.12	3.5	7.5	83	0
A23	823920.62	837886.69	3.6	7.5	83	0
A24	823927.69	837923.62	3.5	7.5	83	0
A25	823756	838085.19	4.9	7.5	83	0
A26	823040.62	838098.62	4.4	7.5	83	0
A27	823465.59	837089.89	4.5	7.5	83	0
A28	823286.57	837864.24	4.3	7.5	83	0
A29	823279.17	837826.61	4.3	7.5	83	0
A30	823293.2	837534.53	4.5	7.5	83	1
A31	823393.53	837959.69	3.9	7.5	83	0
A32	823353.02	837069.09	4.5	7.5	83	0
A33	823439.27	837932.11	3.9	7.5	83	0
A34	823424.53	838140.16	5.2	7.5	83	0
A35	823581.4	838166.28	5	7.5	83	0
A36	823703.1	837968.5	3.5	7.5	83	0
A1P	823478.5	837806.7	2	7.5	83	0
A2P	823371	837176.69	5	7.5	83	0
A3P	823392.81	837419.12	7	7.5	83	1
A4P	823424.31	837553.12	3	7.5	83	0
A5P	823687.88	837719	3	7.5	83	0
V01	823571.7	837355.7	3	7.5	83	0
V02	823780.1	837738.47	2.4	7.5	83	0
V03	823524.7	837232	3	7.5	83	0
V04	823384.5	837124.2	4.8	7.5	83	0
Max. PM2.5 Level, ug/m^3					**85**	**4**
No. of Exceedance @					**2**	**-**
Relevant AQO Criteria, ug/m^3					75	75
No. of Exceedance Allowed					9	-
Compliance with AQO Criteria?					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 PM2.5 concentrations are calculated based on the predicted RSP concentrations by applying a PM2.5/RSP ratio of 0.3 according to the USEPA AP-42 reference document. Please refer to Appendix 3-10 for the justification of PM2.5/RSP ratio.

@ No. of exceedance of the AQO during the duration of construction period (i.e. 7.5 months).

Appendix 3-7G Summary Table of Annual Average RSP Level of the Southern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Annual Average RSP (With Bkg. Level), µg/m^3 * With Bkg. Level	1st Highest Annual Average RSP (W/o Bkg.), µg/m^3 Without Bkg.
A01	823101.12	837242.38	4.4	1.5	**44.2**	**1.0**
A01A	823124.28	837181.3	4.4	1.5	43.9	0.7
A02	823092.84	837313.97	4.4	1.5	43.7	0.4
A02A	823119.86	837359.05	4.4	1.5	43.4	0.2
A03	823260.81	837373.69	4.4	1.5	43.9	0.7
A04	823276.81	837456.12	4.3	1.5	43.7	0.5
A05	823287.12	837673.88	4.2	1.5	43.3	0.1
A05A	823269.63	837644.52	4.2	1.5	43.3	0.1
A05B	823308.73	837726.21	4.2	1.5	43.3	0.1
A06	823405	837870	4.2	1.5	43.3	0.0
A06A	823365.92	837883.55	4.2	1.5	43.3	0.0
A07	823788.62	837882.5	3.1	1.5	43.3	0.0
A08	823679.12	837571.69	2.3	1.5	43.3	0.0
A09	823717.31	837567	3.5	1.5	43.3	0.0
A10	823227.62	837343.88	4.4	1.5	43.7	0.4
A10A	823188.8	837327.28	4.4	1.5	43.6	0.3
A11	823382.12	837043.19	4.5	1.5	43.3	0.0
A12	823509.19	837017.62	6.5	1.5	43.3	0.0
A13	823171.38	837105	4.6	1.5	43.7	0.4
A14	823175.5	837030.5	4.4	1.5	43.4	0.2
A15	823271.81	836947.19	4.1	1.5	43.3	0.0
A16	823496	837908.19	4.2	1.5	43.3	0.0
A16A	823470.21	837871.64	4.2	1.5	43.3	0.0
A17	823500.62	838152.38	5.7	1.5	43.3	0.0
A18	823725.62	838015.88	3.5	1.5	43.3	0.0
A19	823749.5	837459.62	3.3	1.5	43.3	0.0
A20	823745.38	837355.31	4.2	1.5	43.3	0.0
A21	823713.88	837274	4.2	1.5	43.3	0.0
A22	823645.12	837066.12	3.5	1.5	43.3	0.0
A23	823920.62	837886.69	3.6	1.5	43.2	0.0
A24	823927.69	837923.62	3.5	1.5	43.2	0.0
A25	823756	838085.19	4.9	1.5	43.3	0.0
A26	823040.62	838098.62	4.4	1.5	43.3	0.0
A27	823465.59	837089.89	4.5	1.5	43.3	0.0
A28	823286.57	837864.24	4.3	1.5	43.3	0.0
A29	823279.17	837826.61	4.3	1.5	43.3	0.0
A30	823293.2	837534.53	4.5	1.5	43.4	0.2
A31	823393.53	837959.69	3.9	1.5	43.3	0.0
A32	823353.02	837069.09	4.5	1.5	43.3	0.0
A33	823439.27	837932.11	3.9	1.5	43.3	0.0
A34	823424.53	838140.16	5.2	1.5	43.3	0.0
A35	823581.4	838166.28	5	1.5	43.3	0.0
A36	823703.1	837968.5	3.5	1.5	43.3	0.0
A1P	823478.5	837806.7	2	1.5	43.3	0.0
A2P	823371	837176.69	5	1.5	43.3	0.1
A3P	823392.81	837419.12	7	1.5	43.4	0.1
A4P	823424.31	837553.12	3	1.5	43.3	0.1
A5P	823687.88	837719	3	1.5	43.3	0.0
V01	823571.7	837355.7	3	1.5	43.3	0.0
V02	823780.1	837738.47	2.4	1.5	43.3	0.0
V03	823524.7	837232	3	1.5	43.3	0.0
V04	823384.5	837124.2	4.8	1.5	43.3	0.0
A01	823101.12	837242.38	4.4	4.5	43.6	0.4
A01A	823124.28	837181.3	4.4	4.5	43.6	0.4
A02	823092.84	837313.97	4.4	4.5	43.4	0.2
A02A	823119.86	837359.05	4.4	4.5	43.4	0.1
A03	823260.81	837373.69	4.4	4.5	43.6	0.3
A04	823276.81	837456.12	4.3	4.5	43.5	0.2
A05	823287.12	837673.88	4.2	4.5	43.3	0.1
A05A	823269.63	837644.52	4.2	4.5	43.3	0.1
A05B	823308.73	837726.21	4.2	4.5	43.3	0.1
A06	823405	837870	4.2	4.5	43.3	0.0
A06A	823365.92	837883.55	4.2	4.5	43.3	0.0
A07	823788.62	837882.5	3.1	4.5	43.3	0.0
A08	823679.12	837571.69	2.3	4.5	43.3	0.0
A09	823717.31	837567	3.5	4.5	43.3	0.0
A10	823227.62	837343.88	4.4	4.5	43.5	0.2
A10A	823188.8	837327.28	4.4	4.5	43.5	0.2
A11	823382.12	837043.19	4.5	4.5	43.3	0.0
A12	823509.19	837017.62	6.5	4.5	43.3	0.0
A13	823171.38	837105	4.6	4.5	43.5	0.3
A14	823175.5	837030.5	4.4	4.5	43.4	0.1
A15	823271.81	836947.19	4.1	4.5	43.3	0.0
A16	823496	837908.19	4.2	4.5	43.3	0.0
A16A	823470.21	837871.64	4.2	4.5	43.3	0.0
A17	823500.62	838152.38	5.7	4.5	43.3	0.0
A18	823725.62	838015.88	3.5	4.5	43.3	0.0
A19	823749.5	837459.62	3.3	4.5	43.3	0.0
A20	823745.38	837355.31	4.2	4.5	43.3	0.0
A21	823713.88	837274	4.2	4.5	43.3	0.0
A22	823645.12	837066.12	3.5	4.5	43.3	0.0
A23	823920.62	837886.69	3.6	4.5	43.2	0.0
A24	823927.69	837923.62	3.5	4.5	43.2	0.0
A25	823756	838085.19	4.9	4.5	43.3	0.0
A26	823040.62	838098.62	4.4	4.5	43.3	0.0
A27	823465.59	837089.89	4.5	4.5	43.3	0.0
A28	823286.57	837864.24	4.3	4.5	43.3	0.0
A29	823279.17	837826.61	4.3	4.5	43.3	0.0
A30	823293.2	837534.53	4.5	4.5	43.4	0.2
A31	823393.53	837959.69	3.9	4.5	43.3	0.0
A32	823353.02	837069.09	4.5	4.5	43.3	0.0
A33	823439.27	837932.11	3.9	4.5	43.3	0.0
A34	823424.53	838140.16	5.2	4.5	43.3	0.0
A35	823581.4	838166.28	5	4.5	43.3	0.0
A36	823703.1	837968.5	3.5	4.5	43.3	0.0
A1P	823478.5	837806.7	2	4.5	43.3	0.0
A2P	823371	837176.69	5	4.5	43.3	0.1
A3P	823392.81	837419.12	7	4.5	43.3	0.1
A4P	823424.31	837553.12	3	4.5	43.3	0.1
A5P	823687.88	837719	3	4.5	43.3	0.0
V01	823571.7	837355.7	3	4.5	43.3	0.0
V02	823780.1	837738.47	2.4	4.5	43.3	0.0
V03	823524.7	837232	3	4.5	43.3	0.0
V04	823384.5	837124.2	4.8	4.5	43.3	0.0
A01	823101.12	837242.38	4.4	7.5	43.5	0.2
A01A	823124.28	837181.3	4.4	7.5	43.5	0.2
A02	823092.84	837313.97	4.4	7.5	43.4	0.1
A02A	823119.86	837359.05	4.4	7.5	43.3	0.1
A03	823260.81	837373.69	4.4	7.5	43.4	0.2
A04	823276.81	837456.12	4.3	7.5	43.4	0.1
A05	823287.12	837673.88	4.2	7.5	43.3	0.1
A05A	823269.63	837644.52	4.2	7.5	43.3	0.1
A05B	823308.73	837726.21	4.2	7.5	43.3	0.1
A06	823405	837870	4.2	7.5	43.3	0.0
A06A	823365.92	837883.55	4.2	7.5	43.3	0.0
A07	823788.62	837882.5	3.1	7.5	43.3	0.0
A08	823679.12	837571.69	2.3	7.5	43.3	0.0
A09	823717.31	837567	3.5	7.5	43.3	0.0
A10	823227.62	837343.88	4.4	7.5	43.4	0.1

ASR	X	Y	Z	Height above ground	1st Highest Annual Average RSP (With Bkg. Level), µg/m³ * With Bkg. Level	1st Highest Annual Average RSP (W/o Bkg.), µg/m³ Without Bkg.
A10A	823188.8	837327.28	4.4	7.5	43.4	0.1
A11	823382.12	837043.19	4.5	7.5	43.3	0.0
A12	823509.19	837017.62	6.5	7.5	43.3	0.0
A13	823171.38	837105	4.6	7.5	43.4	0.2
A14	823175.5	837030.5	4.4	7.5	43.3	0.1
A15	823271.81	836947.19	4.1	7.5	43.3	0.0
A16	823496	837908.19	4.2	7.5	43.3	0.0
A16A	823470.21	837871.64	4.2	7.5	43.3	0.0
A17	823500.62	838152.38	5.7	7.5	43.3	0.0
A18	823725.62	838015.88	3.5	7.5	43.3	0.0
A19	823749.5	837459.62	3.3	7.5	43.3	0.0
A20	823745.38	837355.31	4.2	7.5	43.3	0.0
A21	823713.88	837274	4.2	7.5	43.3	0.0
A22	823645.12	837066.12	3.5	7.5	43.3	0.0
A23	823920.62	837886.69	3.6	7.5	43.2	0.0
A24	823927.69	837923.62	3.5	7.5	43.2	0.0
A25	823756	838085.19	4.9	7.5	43.3	0.0
A26	823040.62	838098.62	4.4	7.5	43.3	0.0
A27	823465.59	837089.89	4.5	7.5	43.3	0.0
A28	823286.57	837864.24	4.3	7.5	43.3	0.0
A29	823279.17	837826.61	4.3	7.5	43.3	0.0
A30	823293.2	837534.53	4.5	7.5	43.4	0.1
A31	823393.53	837959.69	3.9	7.5	43.3	0.0
A32	823353.02	837069.09	4.5	7.5	43.3	0.0
A33	823439.27	837932.11	3.9	7.5	43.3	0.0
A34	823424.53	838140.16	5.2	7.5	43.3	0.0
A35	823581.4	838166.28	5	7.5	43.3	0.0
A36	823703.1	837968.5	3.5	7.5	43.3	0.0
A1P	823478.5	837806.7	2	7.5	43.3	0.0
A2P	823371	837176.69	5	7.5	43.3	0.0
A3P	823392.81	837419.12	7	7.5	43.3	0.1
A4P	823424.31	837553.12	3	7.5	43.3	0.0
A5P	823687.88	837719	3	7.5	43.3	0.0
V01	823571.7	837355.7	3	7.5	43.3	0.0
V02	823780.1	837738.47	2.4	7.5	43.3	0.0
V03	823524.7	837232	3	7.5	43.3	0.0
V04	823384.5	837124.2	4.8	7.5	43.3	0.0
Max. RSP Level, ug/m³					**44.2**	**1.0**
Relevant AQO Criteria, ug/m³					50	50
Compliance with AQO Criteria?					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 3-7H Summary Table of Annual Average PM2.5 Level of the Southern Portion (Mitigated Scenario)

ASR	X	Y	Z	Height above ground	1st Highest Annual Average PM2.5 (With Bkg. Level), µg/m^3 * & ** With Bkg. Level	1st Highest Annual Average PM2.5 (W/o Bkg.), µg/m^3 ** Without Bkg.
A01	823101.12	837242.38	4.4	1.5	**31.0**	**0.3**
A01A	823124.28	837181.3	4.4	1.5	30.9	0.2
A02	823092.84	837313.97	4.4	1.5	30.8	0.1
A02A	823119.86	837359.05	4.4	1.5	30.8	0.1
A03	823260.81	837373.69	4.4	1.5	30.9	0.2
A04	823276.81	837456.12	4.3	1.5	30.8	0.1
A05	823287.12	837673.88	4.2	1.5	30.7	0.0
A05A	823269.63	837644.52	4.2	1.5	30.7	0.0
A05B	823308.73	837726.21	4.2	1.5	30.7	0.0
A06	823405	837870	4.2	1.5	30.7	0.0
A06A	823365.92	837883.55	4.2	1.5	30.7	0.0
A07	823788.62	837882.5	3.1	1.5	30.7	0.0
A08	823679.12	837571.69	2.3	1.5	30.7	0.0
A09	823717.31	837567	3.5	1.5	30.7	0.0
A10	823227.62	837343.88	4.4	1.5	30.8	0.1
A10A	823188.8	837327.28	4.4	1.5	30.8	0.1
A11	823382.12	837043.19	4.5	1.5	30.7	0.0
A12	823509.19	837017.62	6.5	1.5	30.7	0.0
A13	823171.38	837105	4.6	1.5	30.8	0.1
A14	823175.5	837030.5	4.4	1.5	30.8	0.0
A15	823271.81	836947.19	4.1	1.5	30.7	0.0
A16	823496	837908.19	4.2	1.5	30.7	0.0
A16A	823470.21	837871.64	4.2	1.5	30.7	0.0
A17	823500.62	838152.38	5.7	1.5	30.7	0.0
A18	823725.62	838015.88	3.5	1.5	30.7	0.0
A19	823749.5	837459.62	3.3	1.5	30.7	0.0
A20	823745.38	837355.31	4.2	1.5	30.7	0.0
A21	823713.88	837274	4.2	1.5	30.7	0.0
A22	823645.12	837066.12	3.5	1.5	30.7	0.0
A23	823920.62	837886.69	3.6	1.5	30.7	0.0
A24	823927.69	837923.62	3.5	1.5	30.7	0.0
A25	823756	838085.19	4.9	1.5	30.7	0.0
A26	823040.62	838098.62	4.4	1.5	30.7	0.0
A27	823465.59	837089.89	4.5	1.5	30.7	0.0
A28	823286.57	837864.24	4.3	1.5	30.7	0.0
A29	823279.17	837826.61	4.3	1.5	30.7	0.0
A30	823293.2	837534.53	4.5	1.5	30.8	0.1
A31	823393.53	837959.69	3.9	1.5	30.7	0.0
A32	823353.02	837069.09	4.5	1.5	30.7	0.0
A33	823439.27	837932.11	3.9	1.5	30.7	0.0
A34	823424.53	838140.16	5.2	1.5	30.7	0.0
A35	823581.4	838166.28	5	1.5	30.7	0.0
A36	823703.1	837968.5	3.5	1.5	30.7	0.0
A1P	823478.5	837806.7	2	1.5	30.7	0.0
A2P	823371	837176.69	5	1.5	30.7	0.0
A3P	823392.81	837419.12	7	1.5	30.7	0.0
A4P	823424.31	837553.12	3	1.5	30.7	0.0
A5P	823687.88	837719	3	1.5	30.7	0.0
V01	823571.7	837355.7	3	1.5	30.7	0.0
V02	823780.1	837738.47	2.4	1.5	30.7	0.0
V03	823524.7	837232	3	1.5	30.7	0.0
V04	823384.5	837124.2	4.8	1.5	30.7	0.0
A01	823101.12	837242.38	4.4	4.5	30.8	0.1
A01A	823124.28	837181.3	4.4	4.5	30.8	0.1
A02	823092.84	837313.97	4.4	4.5	30.8	0.1
A02A	823119.86	837359.05	4.4	4.5	30.7	0.0
A03	823260.81	837373.69	4.4	4.5	30.8	0.1
A04	823276.81	837456.12	4.3	4.5	30.8	0.1
A05	823287.12	837673.88	4.2	4.5	30.7	0.0
A05A	823269.63	837644.52	4.2	4.5	30.7	0.0
A05B	823308.73	837726.21	4.2	4.5	30.7	0.0
A06	823405	837870	4.2	4.5	30.7	0.0
A06A	823365.92	837883.55	4.2	4.5	30.7	0.0
A07	823788.62	837882.5	3.1	4.5	30.7	0.0
A08	823679.12	837571.69	2.3	4.5	30.7	0.0
A09	823717.31	837567	3.5	4.5	30.7	0.0
A10	823227.62	837343.88	4.4	4.5	30.8	0.1
A10A	823188.8	837327.28	4.4	4.5	30.8	0.1
A11	823382.12	837043.19	4.5	4.5	30.7	0.0
A12	823509.19	837017.62	6.5	4.5	30.7	0.0
A13	823171.38	837105	4.6	4.5	30.8	0.1
A14	823175.5	837030.5	4.4	4.5	30.7	0.0
A15	823271.81	836947.19	4.1	4.5	30.7	0.0
A16	823496	837908.19	4.2	4.5	30.7	0.0
A16A	823470.21	837871.64	4.2	4.5	30.7	0.0
A17	823500.62	838152.38	5.7	4.5	30.7	0.0
A18	823725.62	838015.88	3.5	4.5	30.7	0.0
A19	823749.5	837459.62	3.3	4.5	30.7	0.0
A20	823745.38	837355.31	4.2	4.5	30.7	0.0
A21	823713.88	837274	4.2	4.5	30.7	0.0
A22	823645.12	837066.12	3.5	4.5	30.7	0.0
A23	823920.62	837886.69	3.6	4.5	30.7	0.0
A24	823927.69	837923.62	3.5	4.5	30.7	0.0
A25	823756	838085.19	4.9	4.5	30.7	0.0
A26	823040.62	838098.62	4.4	4.5	30.7	0.0
A27	823465.59	837089.89	4.5	4.5	30.7	0.0
A28	823286.57	837864.24	4.3	4.5	30.7	0.0
A29	823279.17	837826.61	4.3	4.5	30.7	0.0
A30	823293.2	837534.53	4.5	4.5	30.7	0.0
A31	823393.53	837959.69	3.9	4.5	30.7	0.0
A32	823353.02	837069.09	4.5	4.5	30.7	0.0
A33	823439.27	837932.11	3.9	4.5	30.7	0.0
A34	823424.53	838140.16	5.2	4.5	30.7	0.0
A35	823581.4	838166.28	5	4.5	30.7	0.0
A36	823703.1	837968.5	3.5	4.5	30.7	0.0
A1P	823478.5	837806.7	2	4.5	30.7	0.0
A2P	823371	837176.69	5	4.5	30.7	0.0
A3P	823392.81	837419.12	7	4.5	30.7	0.0
A4P	823424.31	837553.12	3	4.5	30.7	0.0
A5P	823687.88	837719	3	4.5	30.7	0.0
V01	823571.7	837355.7	3	4.5	30.7	0.0
V02	823780.1	837738.47	2.4	4.5	30.7	0.0
V03	823524.7	837232	3	4.5	30.7	0.0
V04	823384.5	837124.2	4.8	4.5	30.7	0.0
A01	823101.12	837242.38	4.4	7.5	30.8	0.1
A01A	823124.28	837181.3	4.4	7.5	30.8	0.1
A02	823092.84	837313.97	4.4	7.5	30.7	0.0
A02A	823119.86	837359.05	4.4	7.5	30.7	0.0
A03	823260.81	837373.69	4.4	7.5	30.8	0.0
A04	823276.81	837456.12	4.3	7.5	30.7	0.0
A05	823287.12	837673.88	4.2	7.5	30.7	0.0
A05A	823269.63	837644.52	4.2	7.5	30.7	0.0
A05B	823308.73	837726.21	4.2	7.5	30.7	0.0
A06	823405	837870	4.2	7.5	30.7	0.0
A06A	823365.92	837883.55	4.2	7.5	30.7	0.0
A07	823788.62	837882.5	3.1	7.5	30.7	0.0
A08	823679.12	837571.69	2.3	7.5	30.7	0.0
A09	823717.31	837567	3.5	7.5	30.7	0.0
A10	823227.62	837343.88	4.4	7.5	30.7	0.0

ASR	X	Y	Z	Height above ground	1st Highest Annual Average PM2.5 (With Bkg. Level), µg/m^3 * & ** With Bkg. Level	1st Highest Annual Average PM2.5 (W/o Bkg.), µg/m^3 ** Without Bkg.
A10A	823188.8	837327.28	4.4	7.5	30.7	0.0
A11	823382.12	837043.19	4.5	7.5	30.7	0.0
A12	823509.19	837017.62	6.5	7.5	30.7	0.0
A13	823171.38	837105	4.6	7.5	30.8	0.0
A14	823175.5	837030.5	4.4	7.5	30.7	0.0
A15	823271.81	836947.19	4.1	7.5	30.7	0.0
A16	823496	837908.19	4.2	7.5	30.7	0.0
A16A	823470.21	837871.64	4.2	7.5	30.7	0.0
A17	823500.62	838152.38	5.7	7.5	30.7	0.0
A18	823725.62	838015.88	3.5	7.5	30.7	0.0
A19	823749.5	837459.62	3.3	7.5	30.7	0.0
A20	823745.38	837355.31	4.2	7.5	30.7	0.0
A21	823713.88	837274	4.2	7.5	30.7	0.0
A22	823645.12	837066.12	3.5	7.5	30.7	0.0
A23	823920.62	837886.69	3.6	7.5	30.7	0.0
A24	823927.69	837923.62	3.5	7.5	30.7	0.0
A25	823756	838085.19	4.9	7.5	30.7	0.0
A26	823040.62	838098.62	4.4	7.5	30.7	0.0
A27	823465.59	837089.89	4.5	7.5	30.7	0.0
A28	823286.57	837864.24	4.3	7.5	30.7	0.0
A29	823279.17	837826.61	4.3	7.5	30.7	0.0
A30	823293.2	837534.53	4.5	7.5	30.7	0.0
A31	823393.53	837959.69	3.9	7.5	30.7	0.0
A32	823353.02	837069.09	4.5	7.5	30.7	0.0
A33	823439.27	837932.11	3.9	7.5	30.7	0.0
A34	823424.53	838140.16	5.2	7.5	30.7	0.0
A35	823581.4	838166.28	5	7.5	30.7	0.0
A36	823703.1	837968.5	3.5	7.5	30.7	0.0
A1P	823478.5	837806.7	2	7.5	30.7	0.0
A2P	823371	837176.69	5	7.5	30.7	0.0
A3P	823392.81	837419.12	7	7.5	30.7	0.0
A4P	823424.31	837553.12	3	7.5	30.7	0.0
A5P	823687.88	837719	3	7.5	30.7	0.0
V01	823571.7	837355.7	3	7.5	30.7	0.0
V02	823780.1	837738.47	2.4	7.5	30.7	0.0
V03	823524.7	837232	3	7.5	30.7	0.0
V04	823384.5	837124.2	4.8	7.5	30.7	0.0
Max. PM2.5 Level, ug/m^3					**31.0**	**0.3**
Relevant AQO Criteria, ug/m^3					35	35
Compliance with AQO Criteria?					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 PM2.5 concentrations are calculated based on the predicted RSP concentrations by applying a PM2.5/RSP ratio of 0.3 according to the USEPA AP-42 reference document. Please refer to Appendix 3-10 for the justification of PM2.5/RSP ratio.