

Appendix F – Air Quality Data

Table F – Air Quality Analysis Results

Receptor	MP	Side of US 93	1-Hour CO Concentration (ppm)*			8-Hour CO Concentration (ppm)**		
			Existing	No Build	Preferred Alt.	Existing	No Build	Preferred Alt.
Segment 1								
W1	193.6	West	2.5	2.5	2.6	1.8	1.8	1.8
W2	192.8	West	2.4	2.5	2.6	1.7	1.8	1.8
W3	191.9	West	2.4	2.4	2.5	1.7	1.7	1.8
W4	190.9	West	2.3	2.3	2.4	1.6	1.6	1.7
W5	190.0	West	2.2	2.3	2.3	1.5	1.6	1.6
W6	189.4	West	2.3	2.3	2.4	1.6	1.6	1.7
E1	193.6	East	2.4	2.4	2.4	1.7	1.7	1.7
E2	192.8	East	2.6	2.6	2.5	1.8	1.8	1.8
E3	191.9	East	2.6	2.6	2.5	1.8	1.8	1.8
E4	190.9	East	2.4	2.4	2.4	1.7	1.7	1.7
E5	190.0	East	2.4	2.4	2.4	1.7	1.7	1.7
E6	189.4	East	2.4	2.4	2.4	1.7	1.7	1.7
Segment 2								
W1	189.1	West	2.3	2.3	2.4	1.6	1.6	1.7
W2	188.1	West	2.2	2.3	2.3	1.5	1.6	1.6
W3	187.2	West	2.3	2.3	2.4	1.6	1.6	1.7
W4	186.2	West	2.2	2.3	2.3	1.5	1.6	1.6
W5	185.3	West	2.3	2.3	2.4	1.6	1.6	1.7
W6	184.3	West	2.2	2.3	2.3	1.5	1.6	1.6
W7	183.5	West	2.2	2.3	2.3	1.5	1.6	1.6
INT-SW	183.0	West	2.2	2.2	2.2	1.5	1.5	1.5
INT-NW	182.9	West	2.2	2.3	2.3	1.5	1.6	1.6
INT-NE	183.0	East	2.2	2.2	2.2	1.5	1.5	1.5
INT-SE	183.0	East	2.2	2.3	2.2	1.5	1.6	1.5
E1	183.5	East	2.4	2.4	2.4	1.7	1.7	1.7
E2	184.3	East	2.4	2.4	2.4	1.7	1.7	1.7
E3	185.3	East	2.4	2.4	2.4	1.7	1.7	1.7
E4	186.2	East	2.4	2.4	2.4	1.7	1.7	1.7
E5	187.2	East	2.4	2.4	2.4	1.7	1.7	1.7
E6	188.1	East	2.4	2.4	2.4	1.7	1.7	1.7
E7	189.1	East	2.4	2.4	2.4	-	-	-
Segment 3								
W1	182.3	West	2.6	2.7	2.6	1.8	1.9	1.8
W2	181.4	West	2.5	2.5	2.5	1.8	1.8	1.8
W3	180.5	West	2.6	2.7	2.6	1.8	1.9	1.8
W4	179.5	West	2.5	2.5	2.5	1.8	1.8	1.8

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Table F – Air Quality Analysis Results (continued)

Receptor	MP	Side of US 93	1-Hour CO Concentration (ppm)*			8-Hour CO Concentration (ppm)**		
			Existing	No Build	Preferred Alt.	Existing	No Build	Preferred Alt.
W5	178.6	West	2.6	2.7	2.6	1.8	1.9	1.8
W6	177.6	West	2.5	2.5	2.5	1.8	1.8	1.8
E1	177.6	East	2.6	2.6	2.5	1.8	1.8	1.8
E2	178.6	East	2.6	2.6	2.5	1.8	1.8	1.8
E3	179.5	East	2.6	2.6	2.5	1.8	1.8	1.8
E4	180.5	East	2.6	2.6	2.5	1.8	1.8	1.8
E5	181.4	East	2.6	2.6	2.5	1.8	1.8	1.8
E6	182.3	East	2.6	2.6	2.5	1.8	1.8	1.8
Segment 4								
W1	177.2	West	2.5	2.5	2.4	1.8	1.8	1.7
W2	176.7	West	2.6	2.7	2.5	1.8	1.9	1.8
W3	175.7	West	2.5	2.5	2.4	1.8	1.8	1.7
W4	174.8	West	2.6	2.7	2.5	1.8	1.9	1.8
W5	173.9	West	2.5	2.5	2.4	1.8	1.8	1.7
W6	172.9	West	2.6	2.7	2.5	1.8	1.9	1.8
W7	172.0	West	2.5	2.5	2.4	1.8	1.8	1.7
W8	170.9	West	2.6	2.7	2.5	1.8	1.9	1.8
W9	170.0	West	2.5	2.5	2.4	1.8	1.8	1.7
W10	169.2	West	2.7	2.7	2.4	1.9	1.9	1.7
W11	168.2	West	2.5	2.7	2.4	1.8	1.9	1.7
W12	167.3	West	2.6	2.7	2.5	1.8	1.9	1.8
W13	166.3	West	2.5	2.5	2.4	1.8	1.8	1.7
W14	165.4	West	2.6	2.7	2.5	1.8	1.9	1.8
W15	164.4	West	2.5	2.5	2.4	1.8	1.8	1.7
W16	163.5	West	2.6	2.7	2.5	1.8	1.9	1.8
W17	162.6	West	2.5	2.5	2.4	1.8	1.8	1.7
W18	161.8	West	2.5	2.5	2.5	1.8	1.8	1.8
E1	161.8	East	2.4	2.4	2.5	1.7	1.7	1.8
E2	162.6	East	2.6	2.6	2.5	1.8	1.8	1.8
E3	163.5	East	2.6	2.6	2.4	1.8	1.8	1.7
E4	164.4	East	2.6	2.6	2.4	1.8	1.8	1.7
E5	165.4	East	2.6	2.6	2.4	1.8	1.8	1.7
E6	166.3	East	2.6	2.6	2.4	1.8	1.8	1.7
E7	167.3	East	2.6	2.6	2.4	1.8	1.8	1.7
E8	168.2	East	2.6	2.6	2.4	1.8	1.8	1.7
E9	169.2	East	2.6	2.6	2.3	1.8	1.8	1.6
E10	170.0	East	2.5	2.5	2.4	1.8	1.8	1.7

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Table F – Air Quality Analysis Results (continued)

<i>Receptor</i>	<i>MP</i>	<i>Side of US 93</i>	<i>1-Hour CO Concentration (ppm)*</i>			<i>8-Hour CO Concentration (ppm)**</i>		
			<i>Existing</i>	<i>No Build</i>	<i>Preferred Alt.</i>	<i>Existing</i>	<i>No Build</i>	<i>Preferred Alt.</i>
E11	170.9	East	2.6	2.6	2.4	1.8	1.8	1.7
E12	172.0	East	2.6	2.6	2.4	1.8	1.8	1.7
E13	172.9	East	2.6	2.6	2.4	1.8	1.8	1.7
E14	173.9	East	2.6	2.6	2.5	1.8	1.8	1.8
E15	174.8	East	2.6	2.6	2.4	1.8	1.8	1.7
E16	175.7	East	2.6	2.6	2.5	1.8	1.8	1.8
E17	176.7	East	2.6	2.6	2.4	1.8	1.8	1.7
E18	177.2	East	2.6	2.6	2.4	1.8	1.8	1.7

* Includes 2.0 ppm background CO concentration

** Based on 0.7 persistence factor

