

# Appendix O

## Air and Climate



Phase	Name	Info	CO - Annual mean mg/m3	Benzene - Annual mean mg/m3	Nox - Annual mean mg/m3	NO <sub>2</sub> * - Annual mean mg/m3	PM <sub>10</sub> - Annual mean mg/m3	PM <sub>10</sub> - Days >50mg/m3
Pre Construction	Houses on Link 1	Pre Construction	0.51	0.51	6.74	4.75	9.90	0.00
During Construction	Houses on Link 1	Haul Route/MV Cable	0.51	0.51	7.71	5.13	9.99	0.00
<i>Difference (%)</i>			0%	0%	14%	8%	1%	
Pre Construction	Houses on Link 2	Pre Construction	0.53	0.54	11.38	6.34	10.35	0.00
During Construction	Houses on Link 2	Haul Route/MV Cable	0.53	0.54	11.52	6.42	10.38	0.00
<i>Difference (%)</i>			0%	0%	1%	1%	0%	
Pre Construction	Houses on Link 3	Pre Construction	0.51	0.51	5.87	4.41	9.85	0.00
During Construction	Houses on Link 3	Haul Route/MV Cable	0.51	0.51	6.22	4.58	9.90	0.00
<i>Difference (%)</i>			0%	0%	6%	4%	1%	
Pre Construction	Houses on Link 4	Pre Construction	0.50	0.50	4.73	3.95	9.71	0.00
During Construction	Houses on Link 4	Haul Route/MV Cable	0.50	0.50	5.09	4.13	9.76	0.00
<i>Difference (%)</i>			0%	0%	7%	4%	1%	
Pre Construction	Houses on Link 5	Pre Construction	0.51	0.51	6.79	4.76	9.91	0.00
During Construction	Houses on Link 5	Haul Route/MV Cable	0.51	0.51	7.75	5.14	9.98	0.00
<i>Difference (%)</i>			0%	0%	14%	8%	1%	
Pre Construction	Houses on Link 6	Pre Construction	0.50	0.50	4.76	3.97	9.72	0.00
During Construction	Houses on Link 6	Haul Route/MV Cable	0.50	0.50	4.93	4.07	9.75	0.00
<i>Difference (%)</i>			0%	0%	4%	2%	0%	
Pre Construction	Houses on Link 7	Pre Construction	0.50	0.50	4.81	3.99	9.72	0.00
During Construction	Houses on Link 7	Haul Route/MV Cable	0.50	0.50	4.97	4.08	9.76	0.00
During Construction	Houses on Link 7b	Haul Route/MV Cable & HV Cable - Option 2	0.50	0.50	5.14	4.15	9.77	0.00
<i>Difference (%)</i>	Houses on Link 7	Haul Route/MV Cable	0%	0%	3%	2%	0%	
<i>Difference (%)</i>	Houses on Link 7b	Haul Route/MV Cable & HV Cable - Option 2	0%	0%	7%	4%	0%	
Pre Construction	Houses on Link 8	Pre Construction	0.50	0.50	4.61	3.90	9.70	0.00
During Construction	Houses on Link 8	Haul Route/MV Cable	0.50	0.50	4.78	4.00	9.74	0.00
<i>Difference (%)</i>			0%	0%	4%	3%	0%	
Pre Construction	Houses on Link 9	Pre Construction	0.50	0.50	4.86	4.01	9.72	0.00
During Construction	Houses on Link 9	Haul Route/MV Cable	0.50	0.50	5.27	4.20	9.78	0.00
<i>Difference (%)</i>			0%	0%	9%	5%	1%	
Pre Construction	Houses on Link 10	Pre Construction	0.50	0.50	4.86	4.01	9.72	0.00
During Construction	Houses on Link 10	Haul Route/MV Cable	0.50	0.50	5.27	4.20	9.78	0.00
<i>Difference (%)</i>			0%	0%	9%	5%	1%	
Pre Construction	Houses on Link 11	Pre Construction	0.52	0.52	7.79	5.13	10.00	0.00
During Construction	Houses on Link 11	Haul Route/MV Cable	0.52	0.52	8.10	5.27	10.04	0.00
<i>Difference (%)</i>			0%	0%	4%	3%	0%	
Pre Construction	Houses on Link 12	Pre Construction	0.51	0.51	5.30	4.19	9.77	0.00
During Construction	Houses on Link 12	Haul Route/MV Cable	0.51	0.51	5.61	4.34	9.81	0.00
<i>Difference (%)</i>			0%	0%	6%	4%	0%	
Pre Construction	Houses on Link 13	Pre Construction	0.51	0.51	6.79	4.79	9.94	0.00
During Construction	Houses on Link 13	HV Cable - Option 1	0.51	0.51	6.88	4.83	9.94	0.00
<i>Difference (%)</i>			0%	0%	1%	1%	0%	
Pre Construction	Houses on Link 14	Pre Construction	0.54	0.54	13.36	6.99	10.55	0.00
During Construction	Houses on Link 14	HV Cable - Option 1	0.54	0.54	13.25	6.96	10.53	0.00
<i>Difference (%)</i>			0%	0%	-1%	0%	0%	

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Pre Construction	Houses on Link 15	Pre Construction	0.50	0.50	5.05	4.11	9.77	0.00
During Construction	Houses on Link 15	HV Cable - Option 1	0.50	0.50	5.19	4.17	9.78	0.00
<i>Difference (%)</i>			0%	0%	3%	1%	0%	
Pre Construction	Houses on Link 16	Pre Construction	0.51	0.51	6.53	4.69	9.91	0.00
During Construction	Houses on Link 16	HV Cable - Option 1	0.51	0.51	6.62	4.73	9.91	0.00
<i>Difference (%)</i>			0%	0%	1%	1%	0%	
Pre Construction	Houses on Link 17	Pre Construction	0.50	0.50	4.42	3.85	9.71	0.00
During Construction	Houses on Link 17	HV Cable - Option 1	0.50	0.50	4.58	3.92	9.72	0.00
<i>Difference (%)</i>			0%	0%	4%	2%	0%	
Pre Construction	Houses on Link 18	Pre Construction	0.51	0.51	5.59	4.33	9.82	0.00
During Construction	Houses on Link 18	HV Cable - Option 2	0.51	0.51	5.71	4.38	9.83	0.00
<i>Difference (%)</i>			0%	0%	2%	1%	0%	
Pre Construction	Houses on Link 19	Pre Construction	0.50	0.50	4.57	3.92	9.73	0.00
During Construction	Houses on Link 19	Haul Route/MV Cable	0.50	0.50	4.87	4.04	9.74	0.00
<i>Difference (%)</i>			0%	0%	7%	3%	0%	
Pre Construction	Houses on Junction 1	Pre Construction	0.68	0.66	20.05	8.91	11.70	0.00
During Construction	Houses on Junction 1	Haul Route/MV Cable	0.68	0.66	22.31	9.52	11.85	0.00
<i>Difference (%)</i>			1%	0%	11%	7%	1%	
Pre Construction	Houses on Junction 2	Pre Construction	0.56	0.55	9.30	5.69	10.34	0.00
During Construction	Houses on Junction 2	Haul Route/MV Cable	0.56	0.55	11.56	6.43	10.50	0.00
<i>Difference (%)</i>			1%	0%	24%	13%	2%	
Pre Construction	Houses on Junction 3	Pre Construction	0.52	0.52	5.81	4.42	9.89	0.00
During Construction	Houses on Junction 3	Haul Route/MV Cable	0.52	0.52	6.32	4.61	9.93	0.00
During Construction	Houses on Junction 3b	Haul Route/MV Cable & HV Cable - Option 2	0.52	0.52	6.68	4.75	9.95	0.00
<i>Difference (%)</i>	Houses on Junction 3	Haul Route/MV Cable	0%	0%	9%	4%	0%	
<i>Difference (%)</i>	Houses on Junction 3b	Haul Route/MV Cable & HV Cable - Option 2	0%	0%	15%	8%	1%	
Pre Construction	Houses on Junction 4	Pre Construction	0.66	0.65	18.49	8.49	11.50	0.00
During Construction	Houses on Junction 4	Haul Route/MV Cable	0.66	0.65	19.33	8.72	11.55	0.00
<i>Difference (%)</i>			0%	0%	5%	3%	0%	
Pre Construction	Houses on Junction 5	Pre Construction	0.54	0.53	7.62	5.10	10.12	0.00
During Construction	Houses on Junction 5	Haul Route/MV Cable	0.54	0.54	8.87	5.54	10.21	0.00
<i>Difference (%)</i>			1%	0%	17%	9%	1%	
Pre Construction	Houses on Junction 6	Pre Construction	0.51	0.51	5.61	4.34	9.85	0.00
During Construction	Houses on Junction 6	Haul Route/MV Cable	0.51	0.51	6.39	4.64	9.90	0.00
<i>Difference (%)</i>			0%	0%	14%	7%	1%	
Pre Construction	Houses on Junction 7	Pre Construction	0.55	0.55	9.18	5.64	10.32	0.00
During Construction	Houses on Junction 7	Haul Route/MV Cable	0.56	0.55	11.55	6.43	10.49	0.00
<i>Difference (%)</i>			1%	0%	26%	14%	2%	
Pre Construction	Houses on Junction 8	Pre Construction	0.56	0.55	9.38	5.71	10.34	0.00
During Construction	Houses on Junction 8	Haul Route/MV Cable	0.56	0.56	12.19	6.63	10.55	0.00
<i>Difference (%)</i>			1%	1%	30%	16%	2%	
Pre Construction	Houses on Junction 9	Pre Construction	0.52	0.52	6.28	4.60	9.95	0.00
During Construction	Houses on Junction 9	Haul Route/MV Cable	0.53	0.52	7.88	5.19	10.07	0.00

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<i>Difference (%)</i>			1%	0%	25%	13%	1%	
Pre Construction	Houses on Junction 10	Pre Construction	0.57	0.57	10.99	6.25	10.55	0.00
During Construction	Houses on Junction 10	Haul Route/MV Cable	0.58	0.57	12.38	6.69	10.65	0.00
<i>Difference (%)</i>			1%	0%	13%	7%	1%	
Pre Construction	Houses on Junction 11	Pre Construction	0.58	0.58	11.67	6.47	10.64	0.00
During Construction	Houses on Junction 11	Haul Route/MV Cable	0.59	0.58	14.11	7.22	10.81	0.00
<i>Difference (%)</i>			1%	0%	21%	12%	2%	
Pre Construction	Houses on Junction 12	Pre Construction	0.58	0.58	11.71	6.48	10.64	0.00
During Construction	Houses on Junction 12	Haul Route/MV Cable	0.59	0.58	12.88	6.85	10.72	0.00
<i>Difference (%)</i>			1%	0%	10%	6%	1%	
Pre Construction	Houses on Junction 13	Pre Construction	0.71	0.69	22.95	9.68	12.07	0.00
During Construction	Houses on Junction 13	HV Cable - Option 1	0.71	0.69	22.96	9.69	12.04	0.00
<i>Difference (%)</i>			0%	0%	0%	0%	0%	
Pre Construction	Houses on Junction 14	Pre Construction	0.68	0.66	20.09	8.93	11.71	0.00
During Construction	Houses on Junction 14	HV Cable - Option 1	0.68	0.66	20.22	8.96	11.69	0.00
<i>Difference (%)</i>			0%	0%	1%	0%	0%	
Pre Construction	Houses on Junction 15	Pre Construction	0.55	0.55	9.18	5.64	10.32	0.00
During Construction	Houses on Junction 15	HV Cable - Option 1	0.56	0.55	9.72	5.83	10.35	0.00
<i>Difference (%)</i>			0%	0%	6%	3%	0%	
Pre Construction	Houses on Junction 16	Pre Construction	0.54	0.54	8.14	5.28	10.19	0.00
During Construction	Houses on Junction 16	HV Cable - Option 1	0.54	0.54	8.72	5.49	10.22	0.00
<i>Difference (%)</i>			0%	0%	7%	4%	0%	
	Houses on Junction 17	Pre Construction	0.52	0.52	6.46	4.67	9.97	0.00
	Houses on Junction 17	Haul Route/MV Cable	0.53	0.52	7.67	5.11	10.06	0.00
<i>Difference (%)</i>			1%	0%	19%	10%	1%	