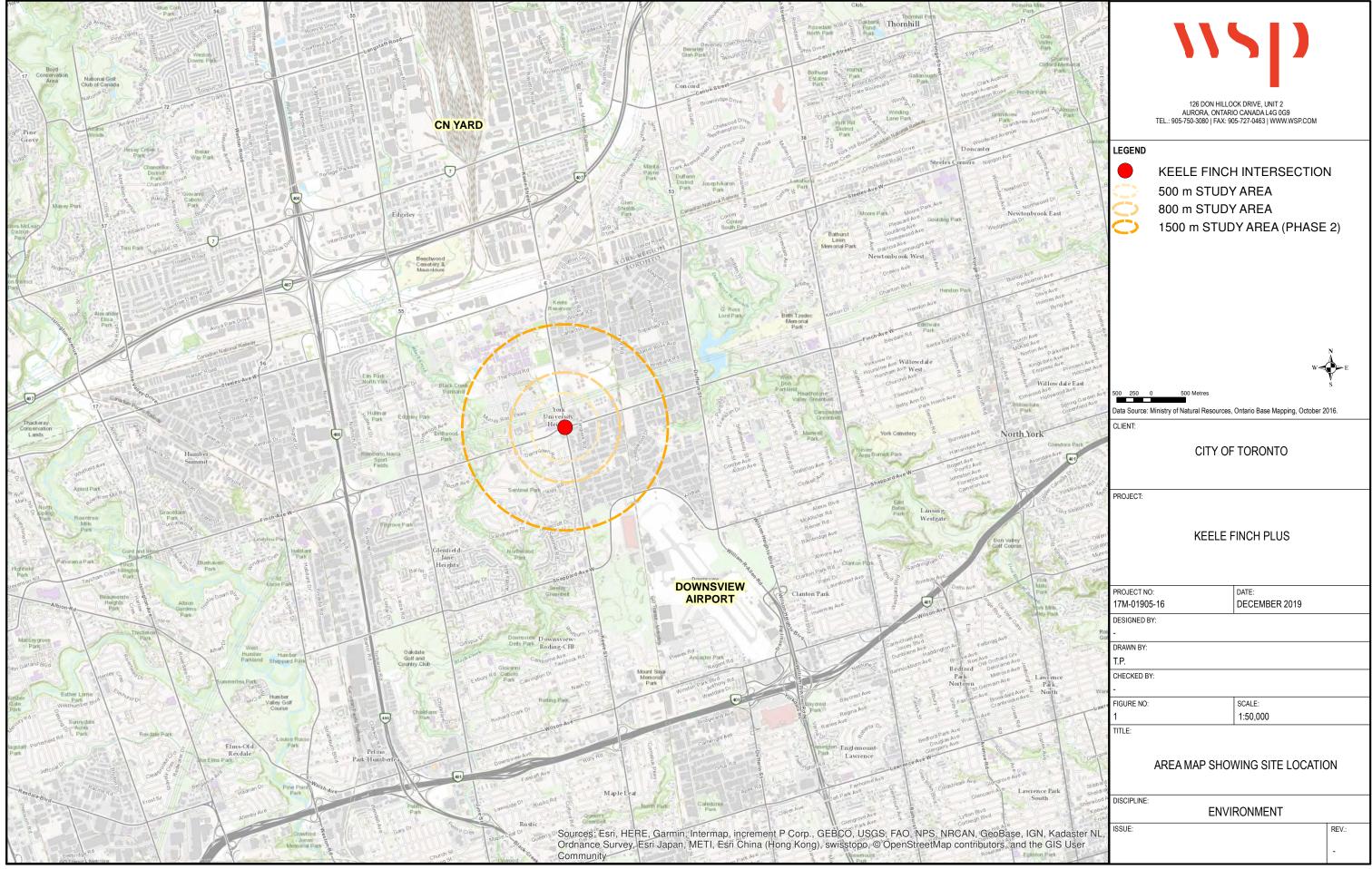
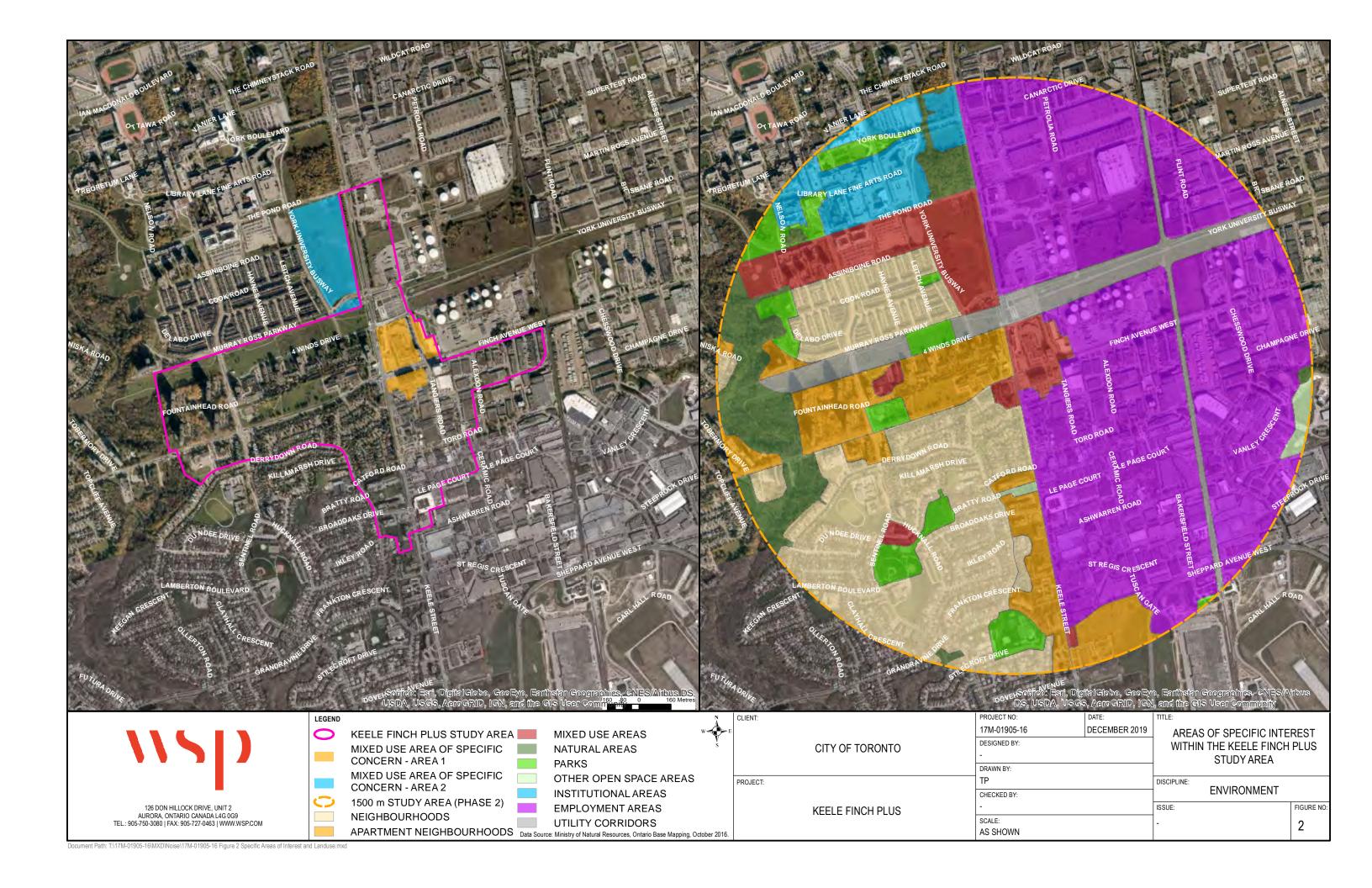
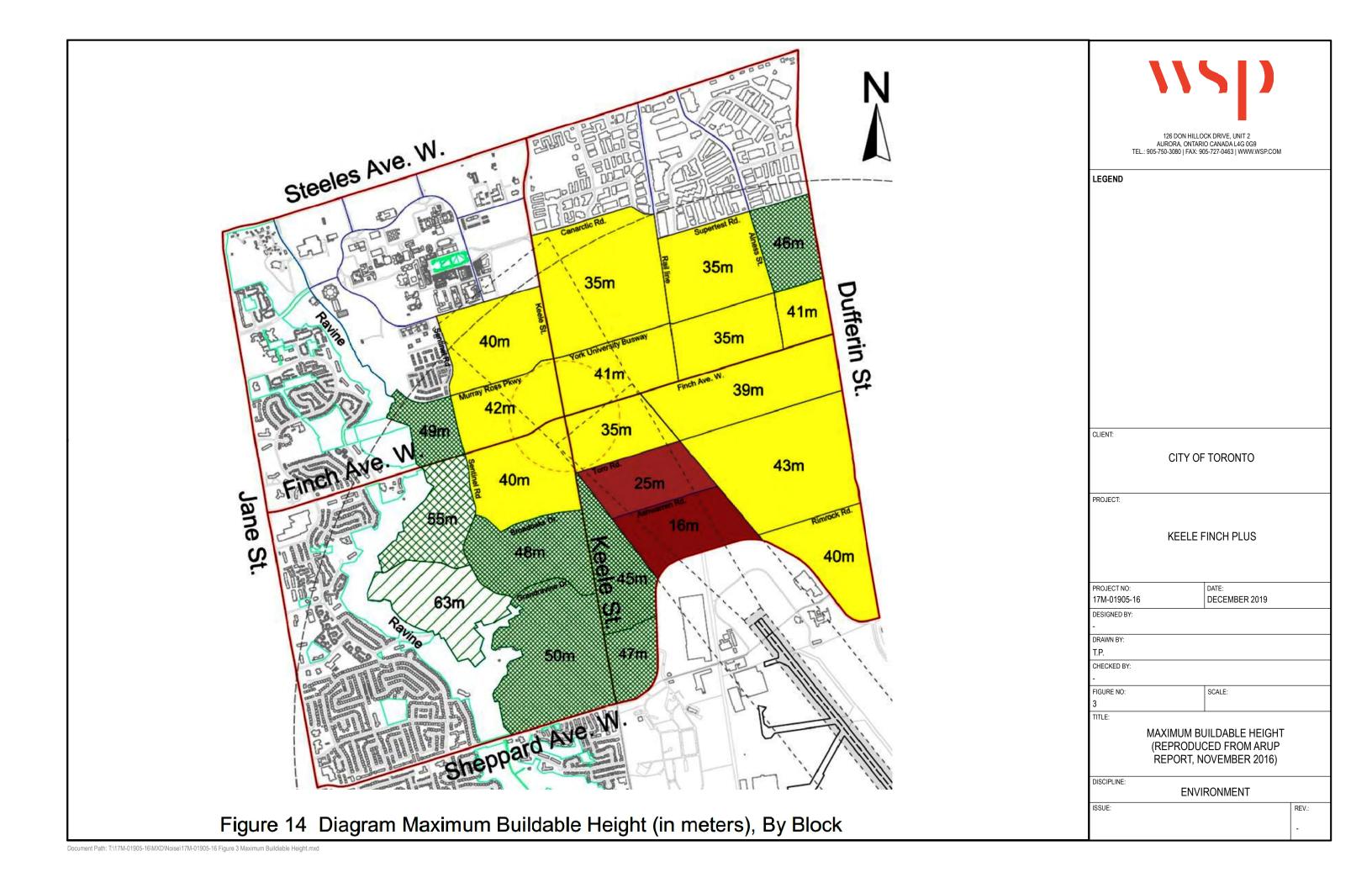
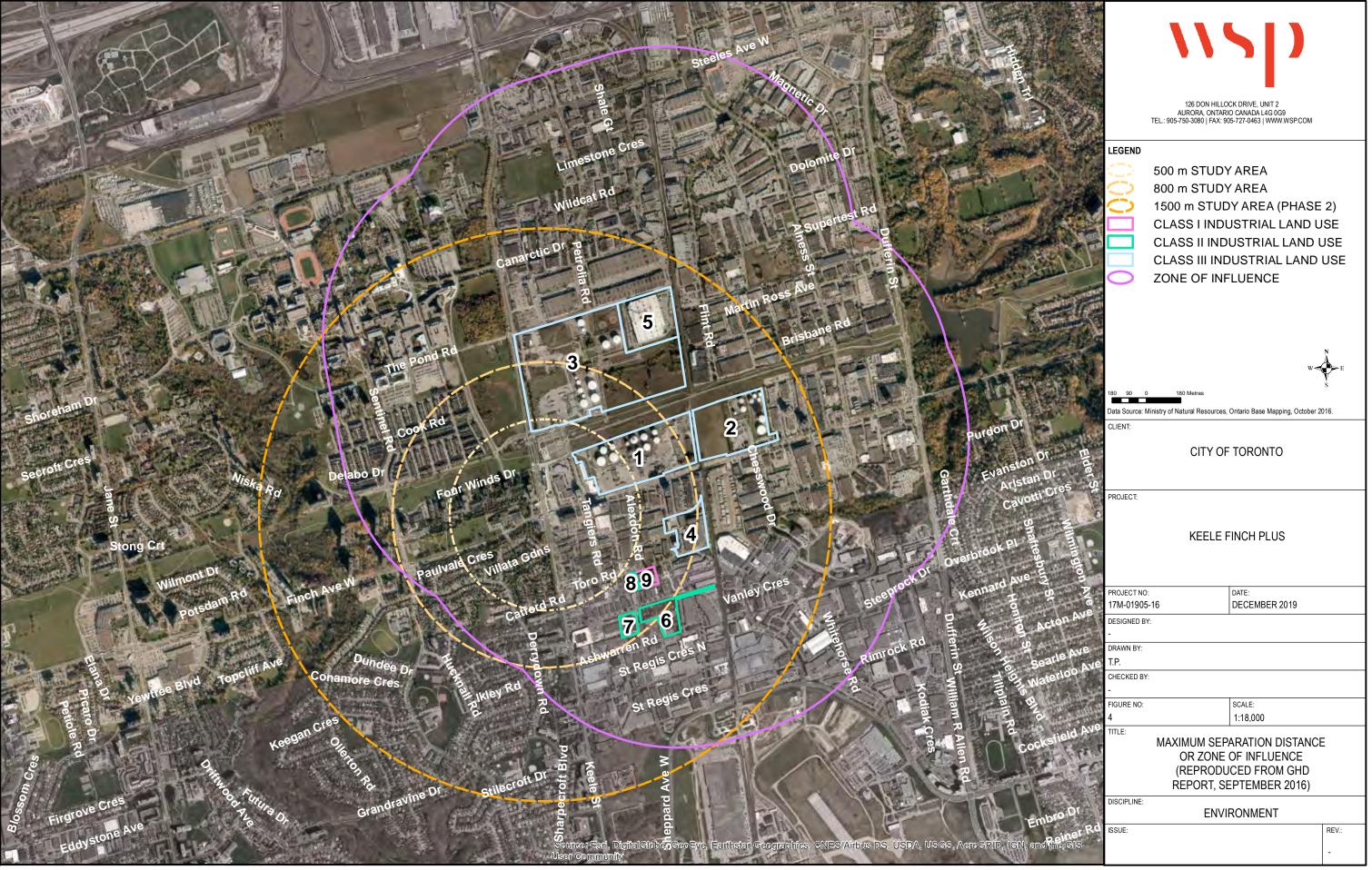
## **FIGURES**







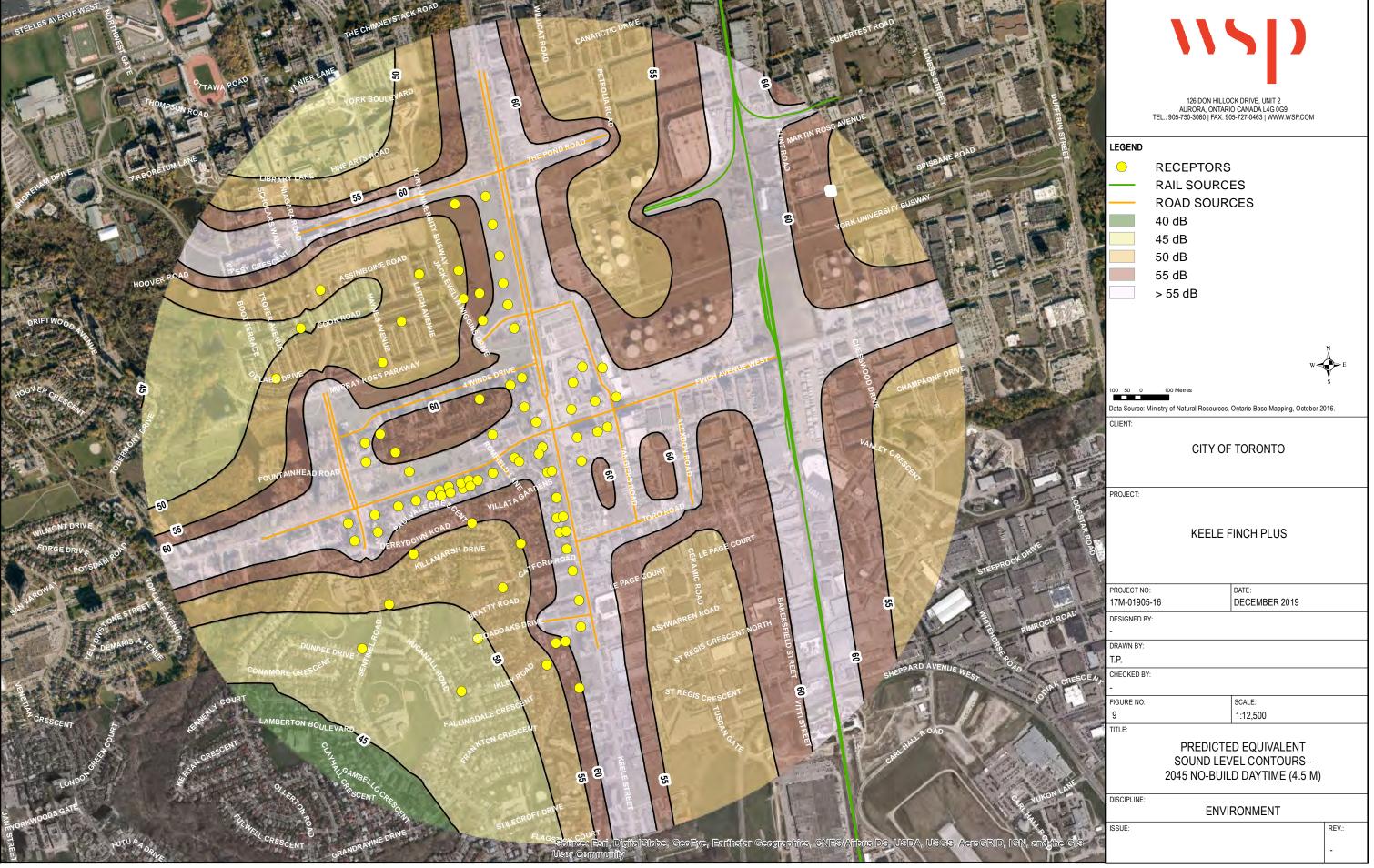








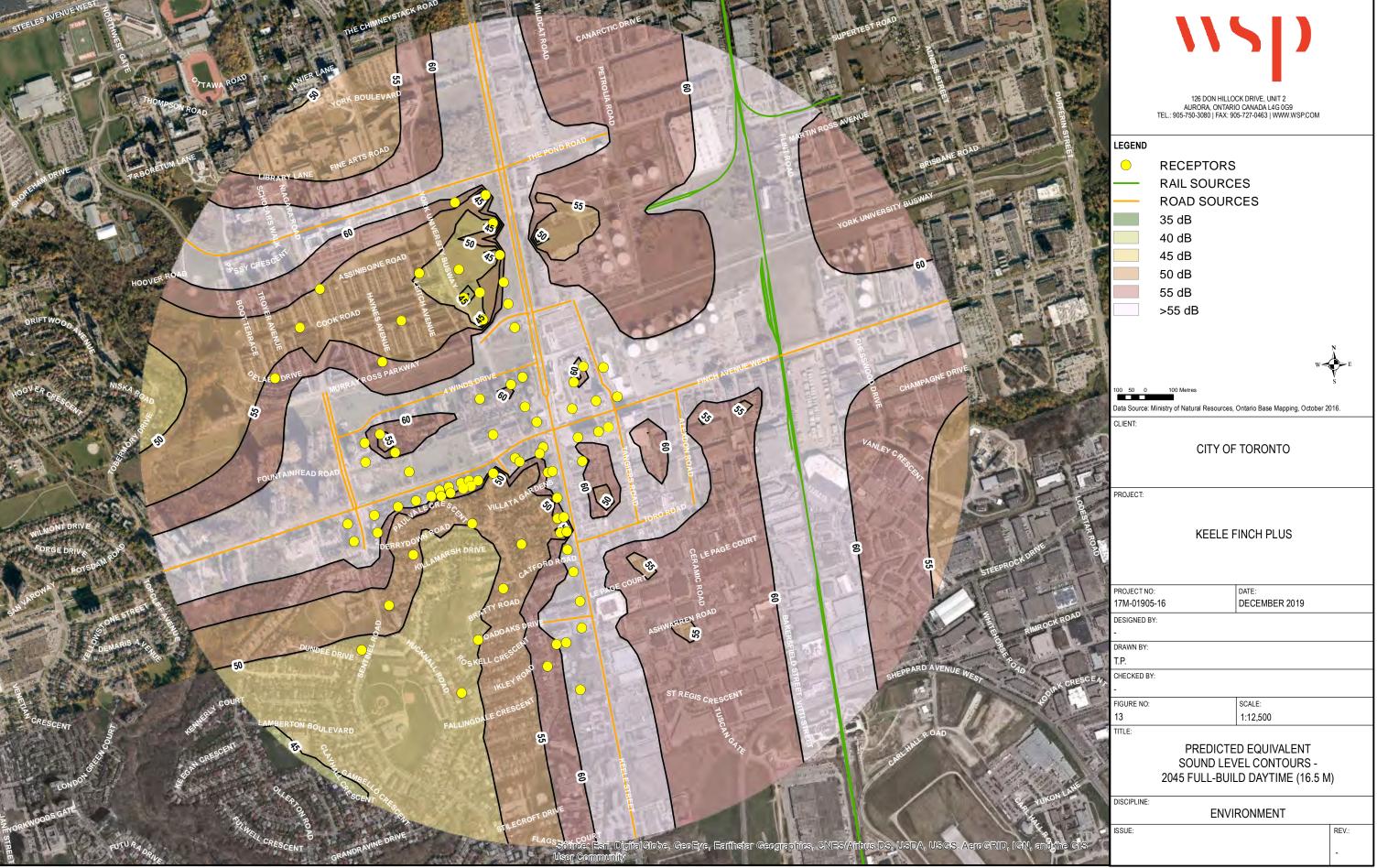


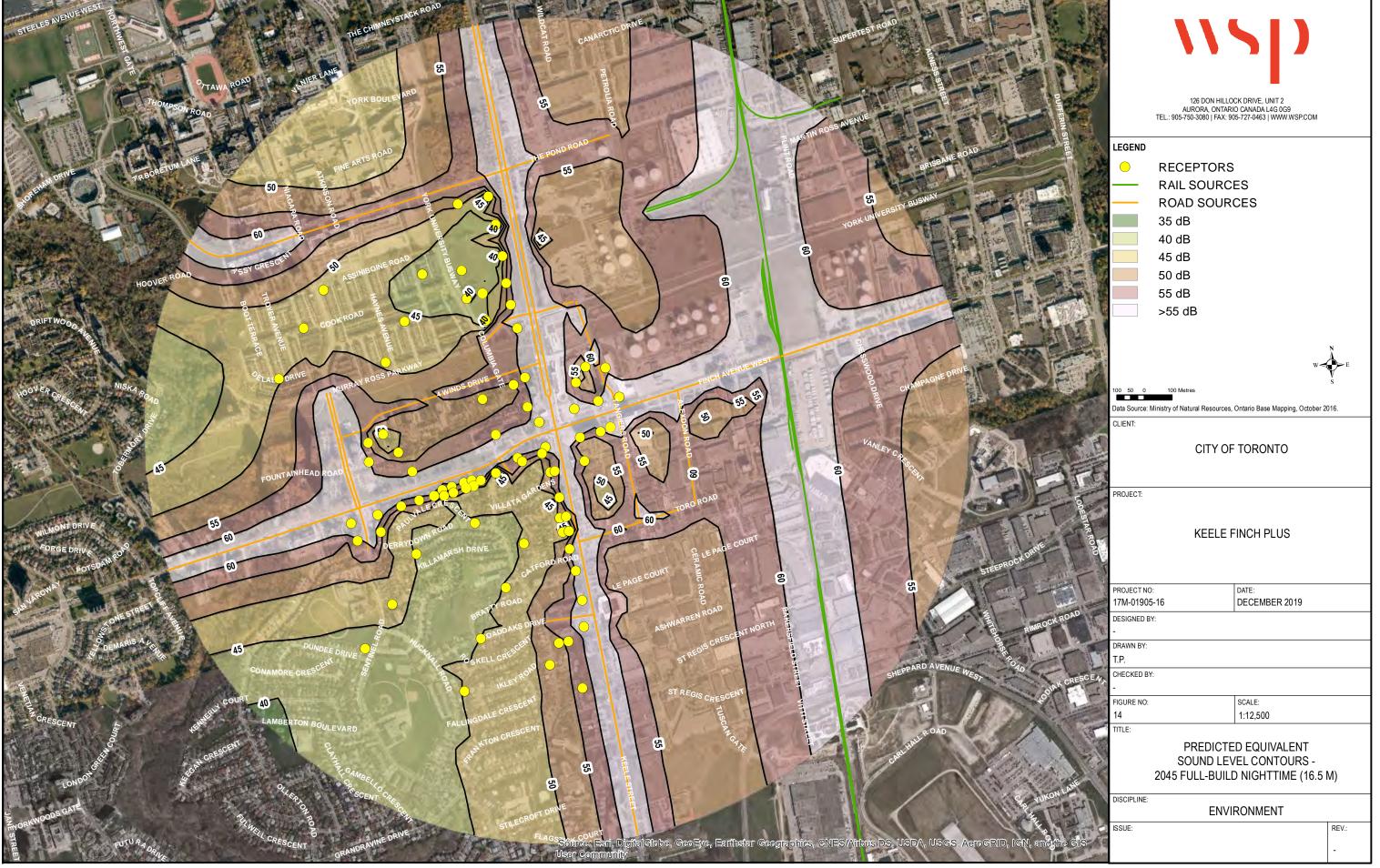






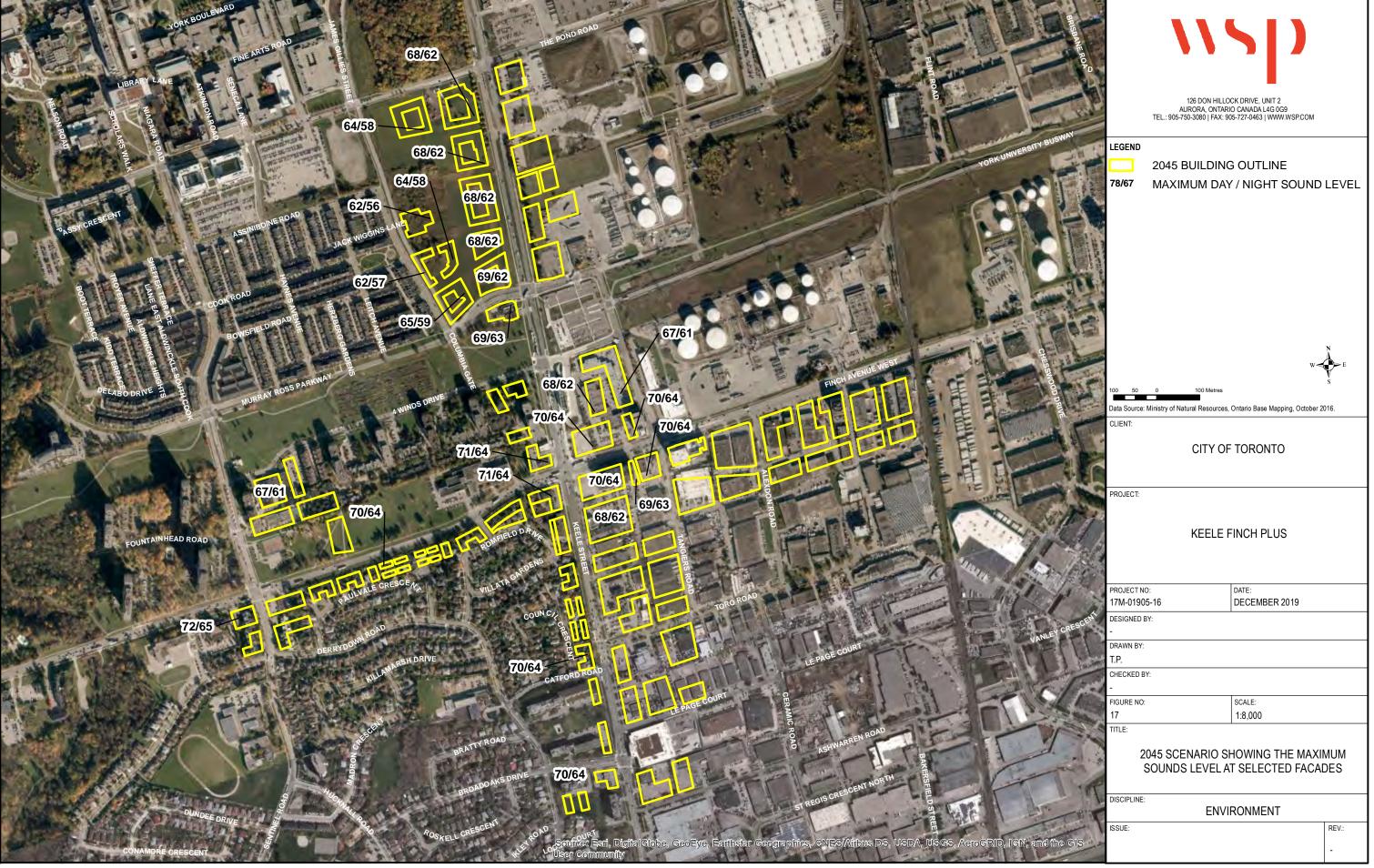


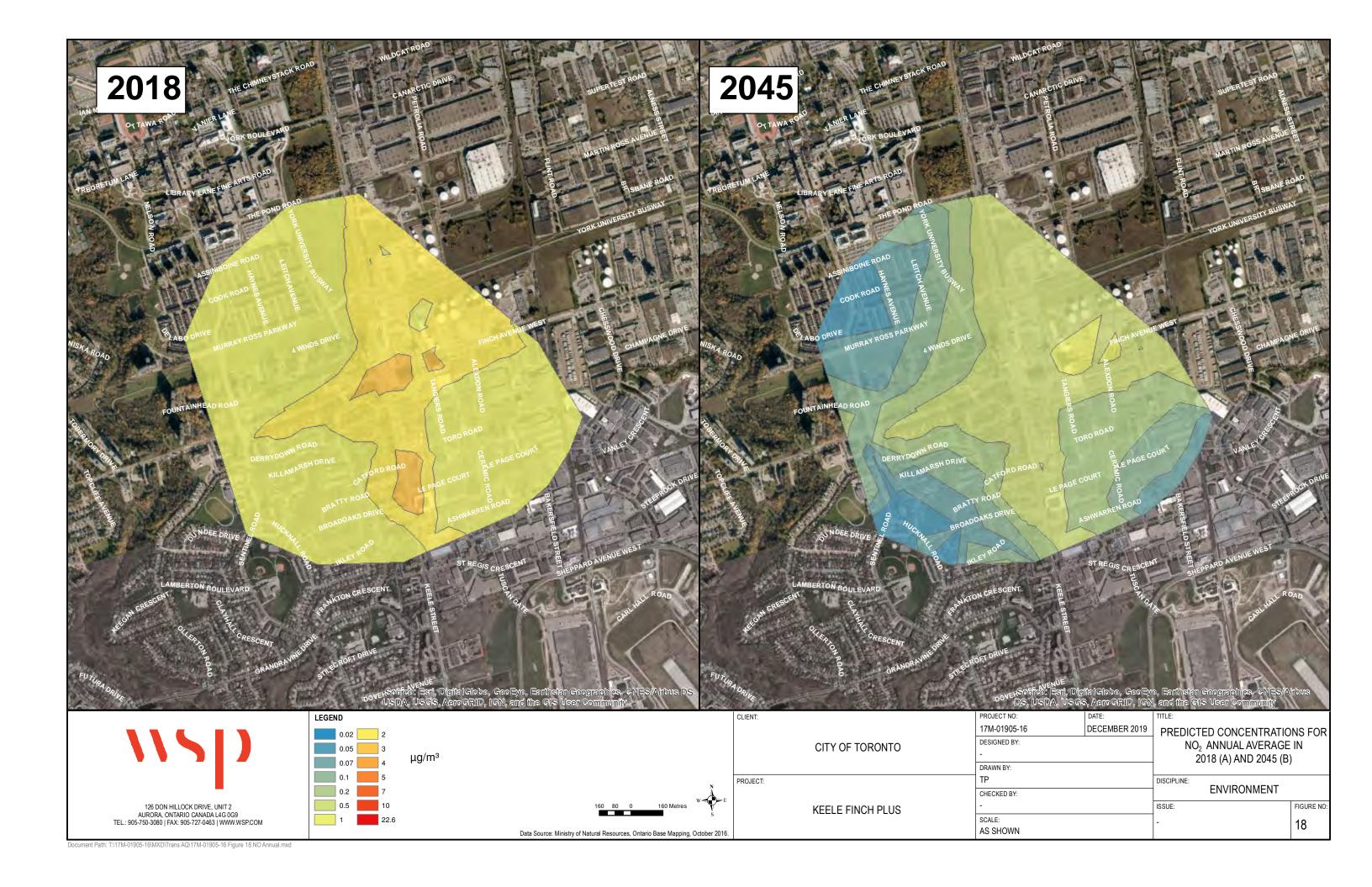


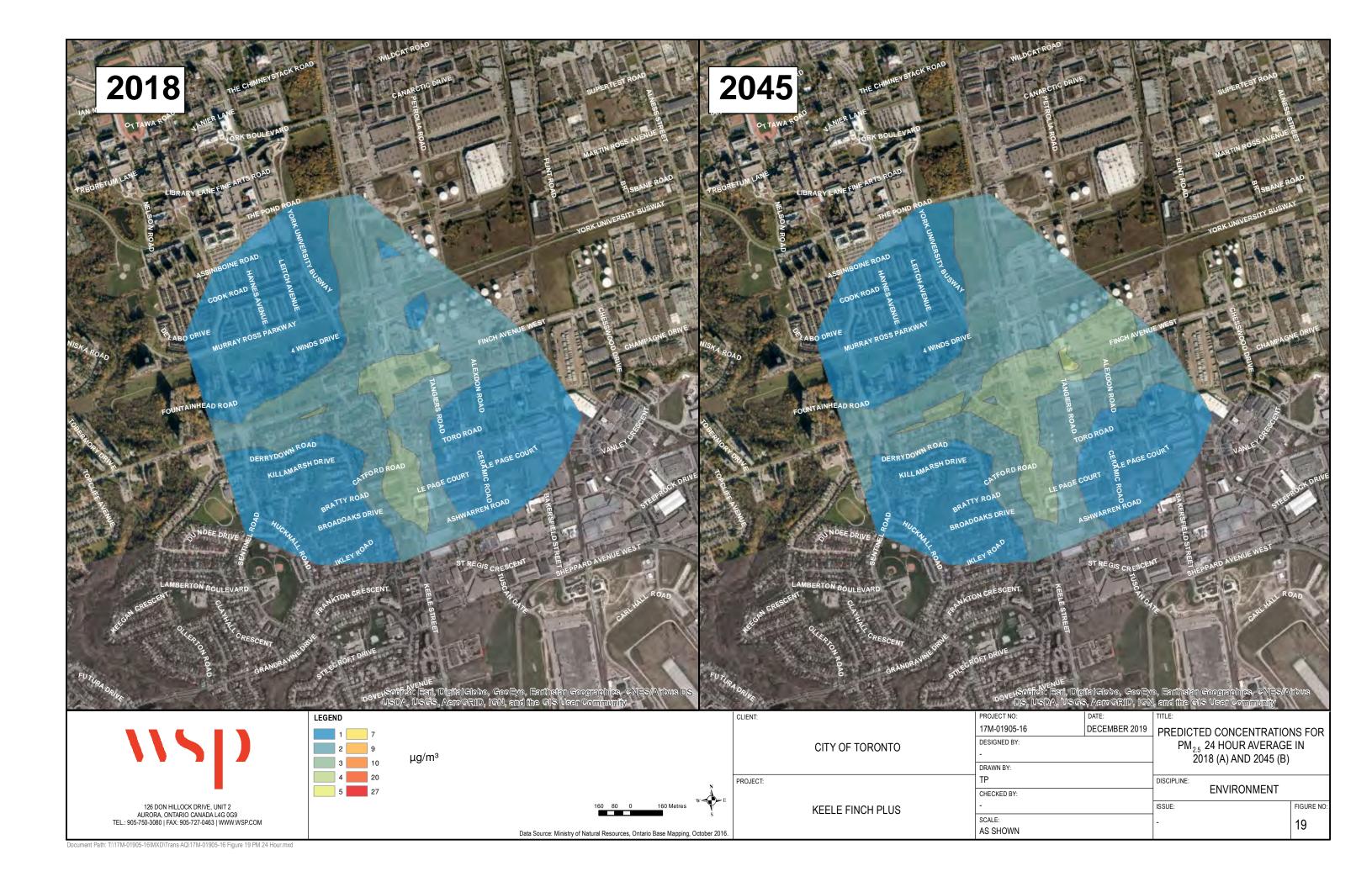


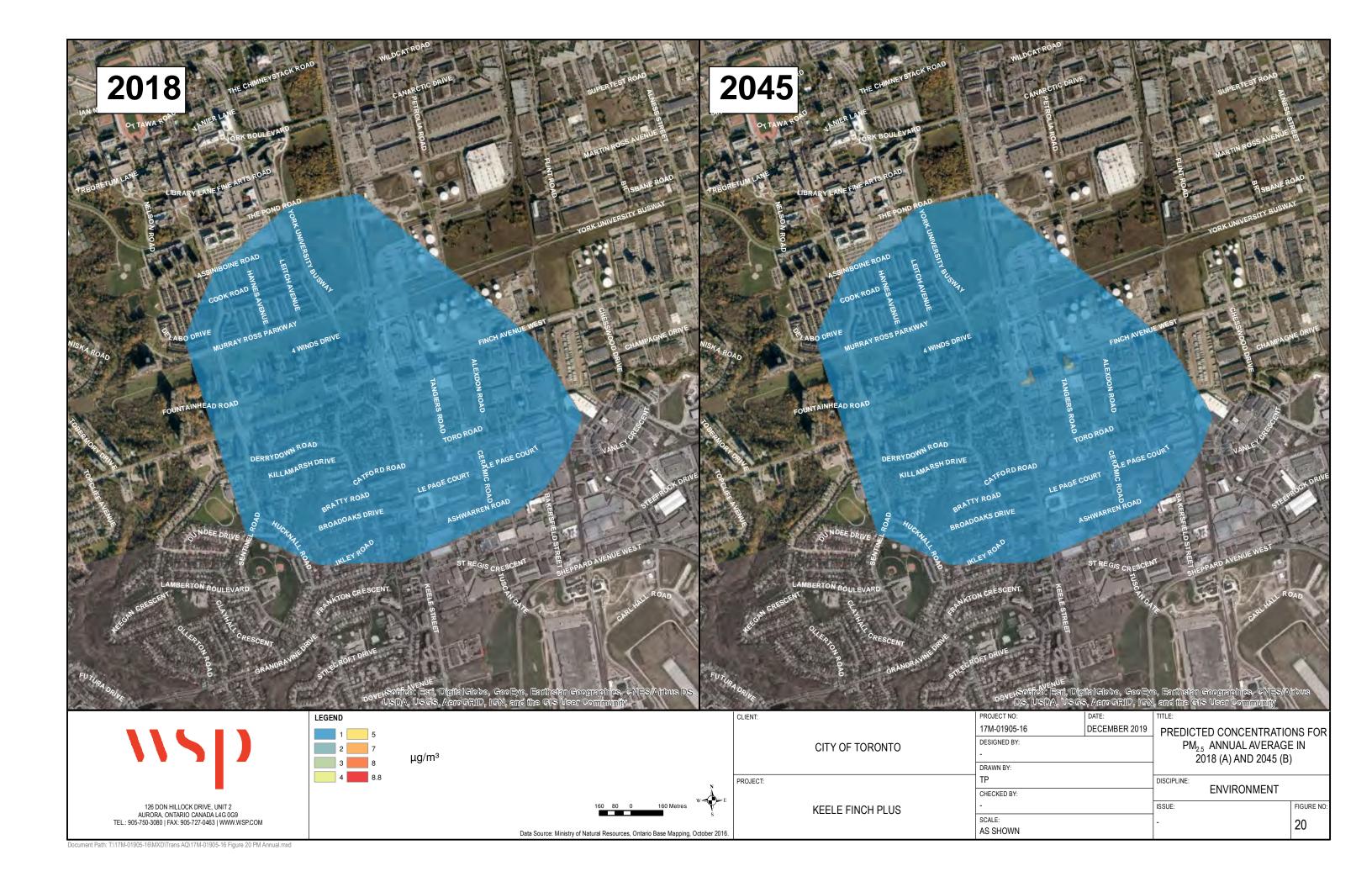


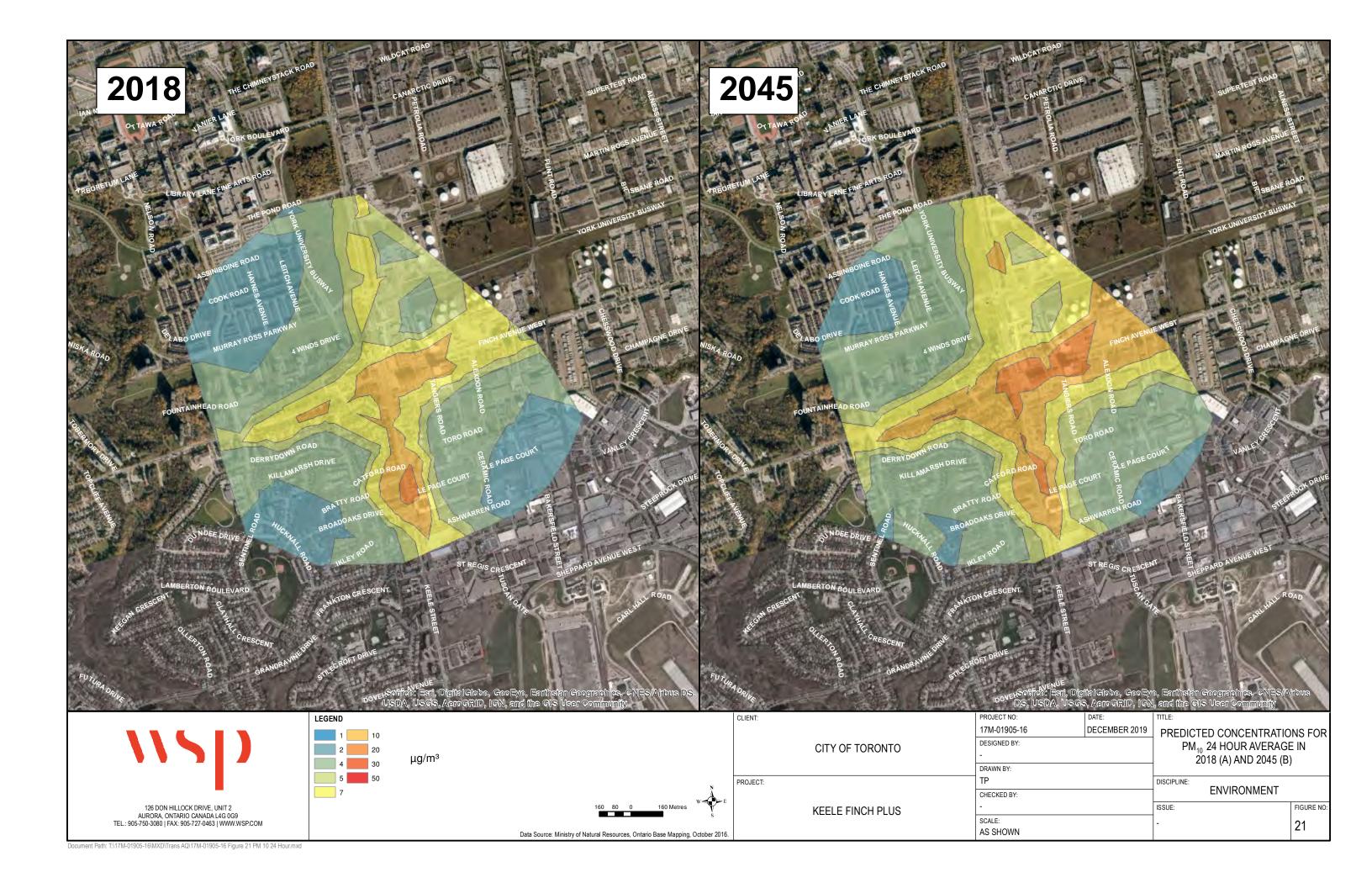


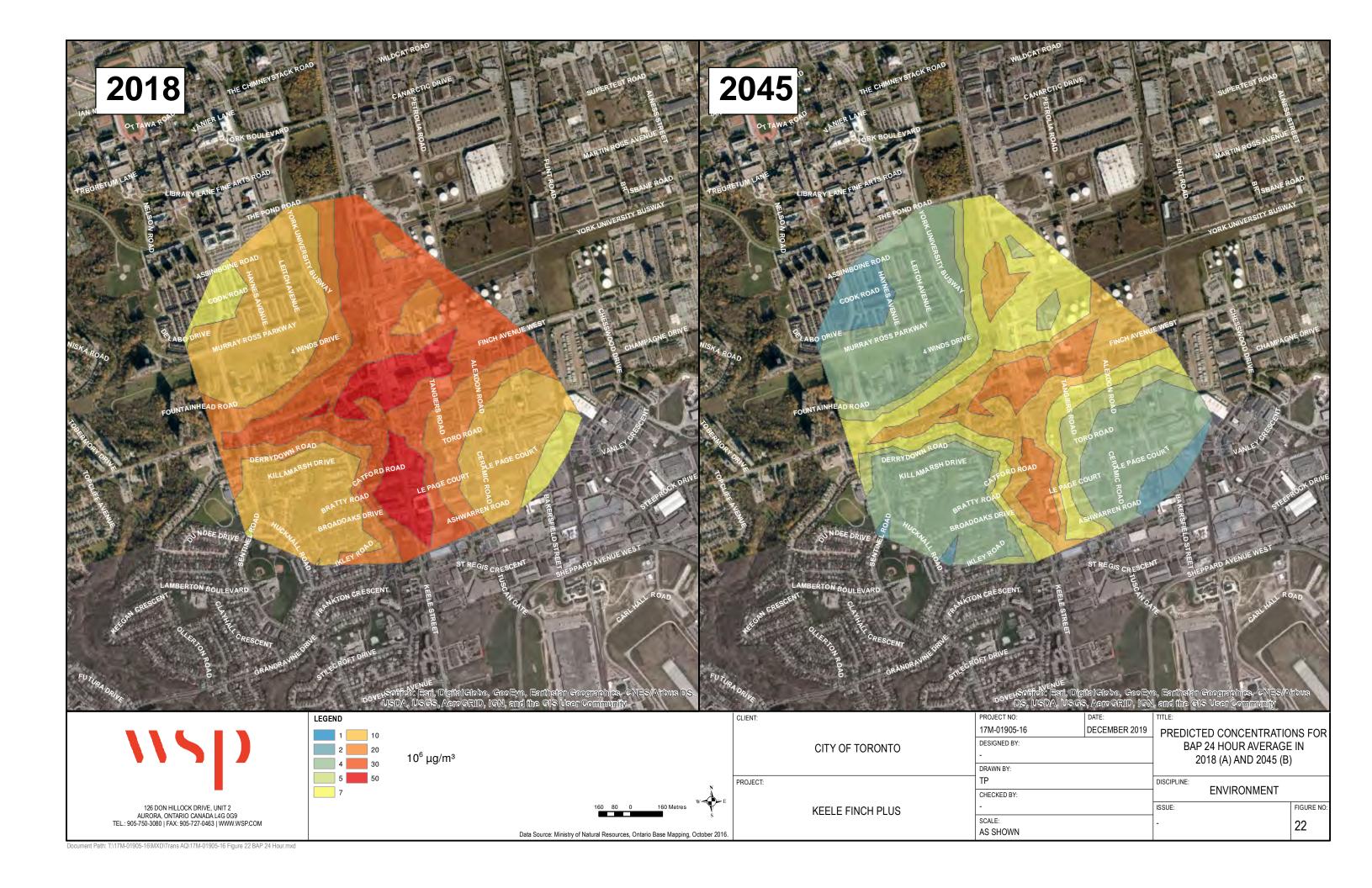


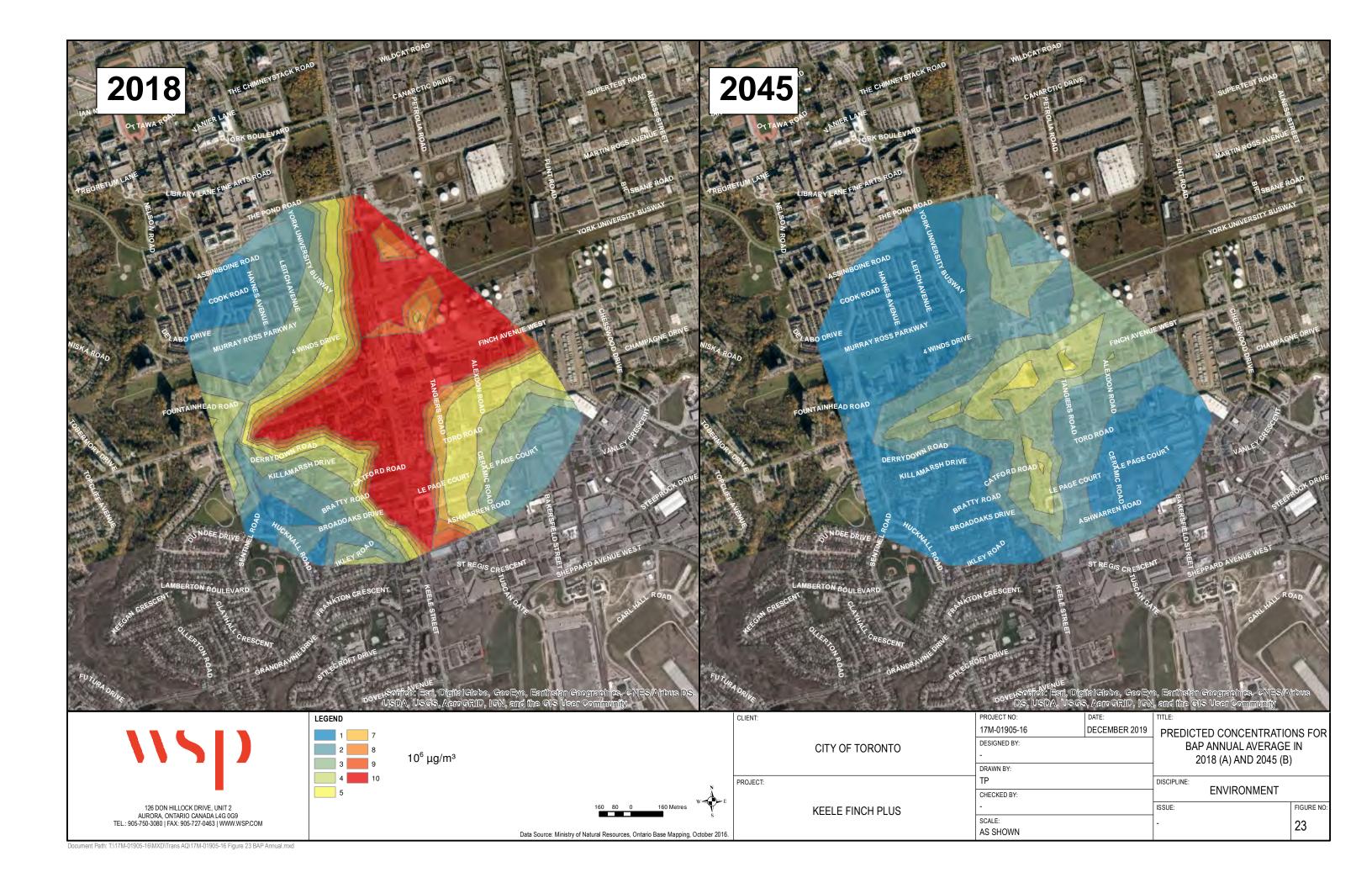


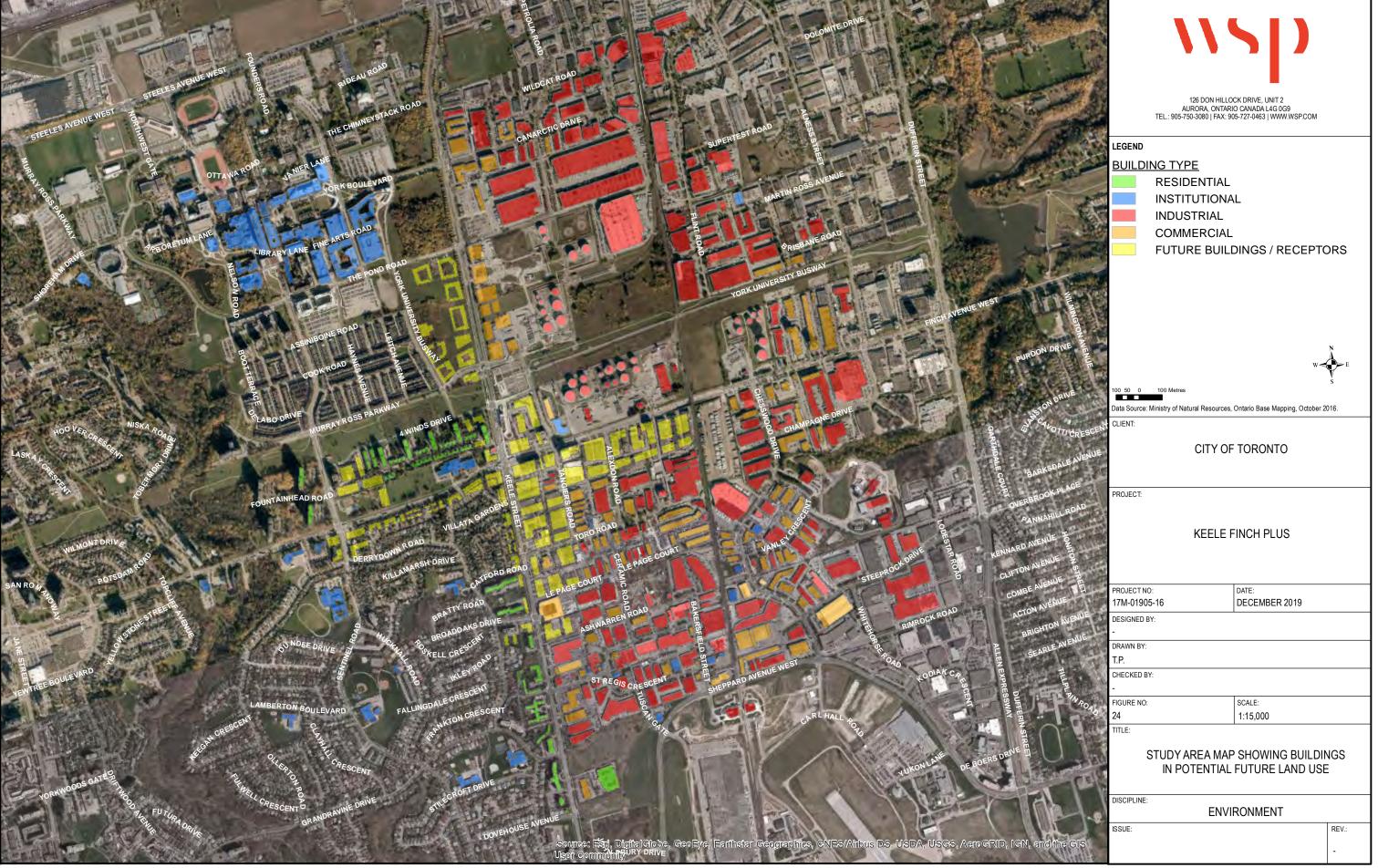


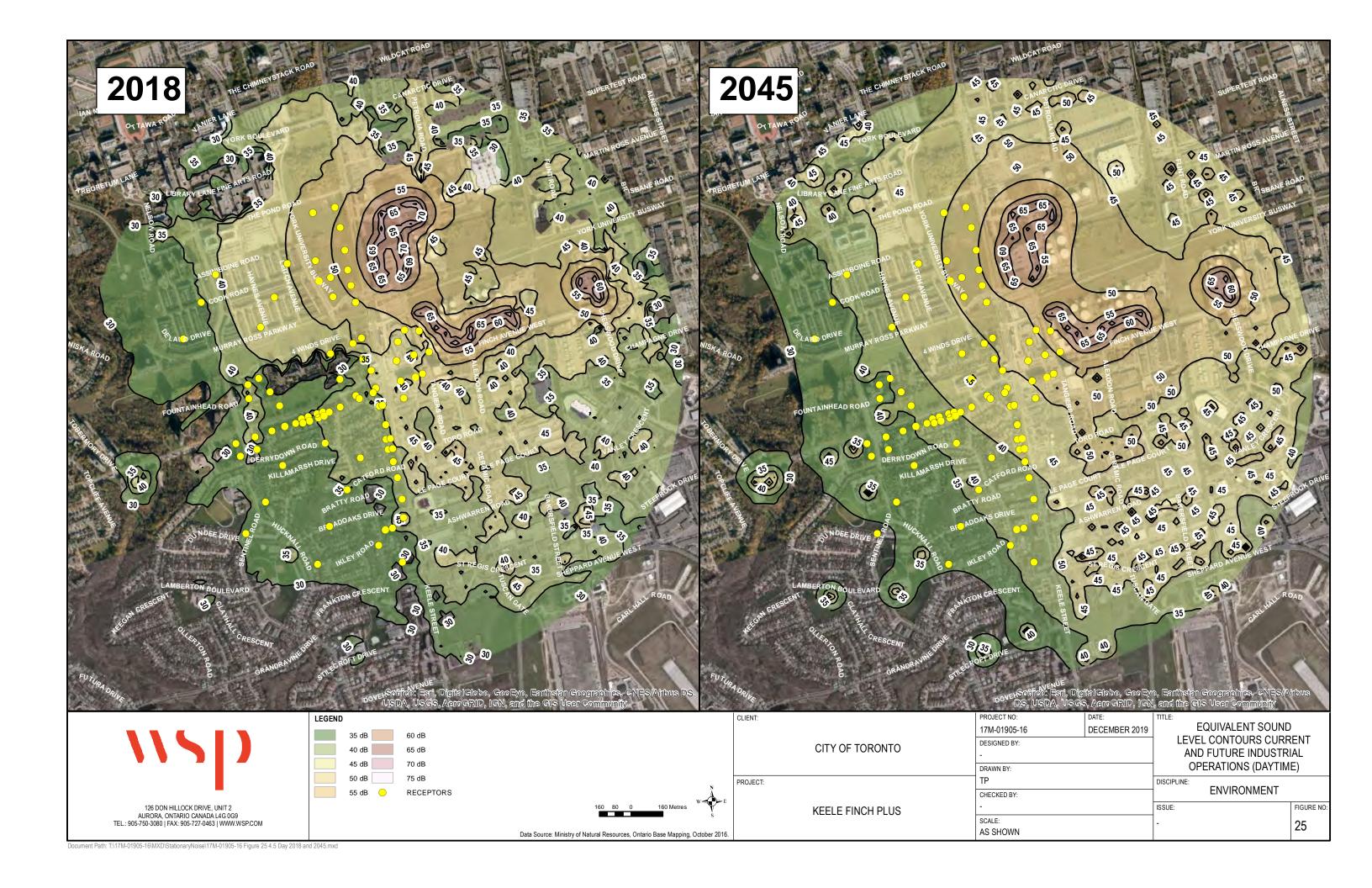


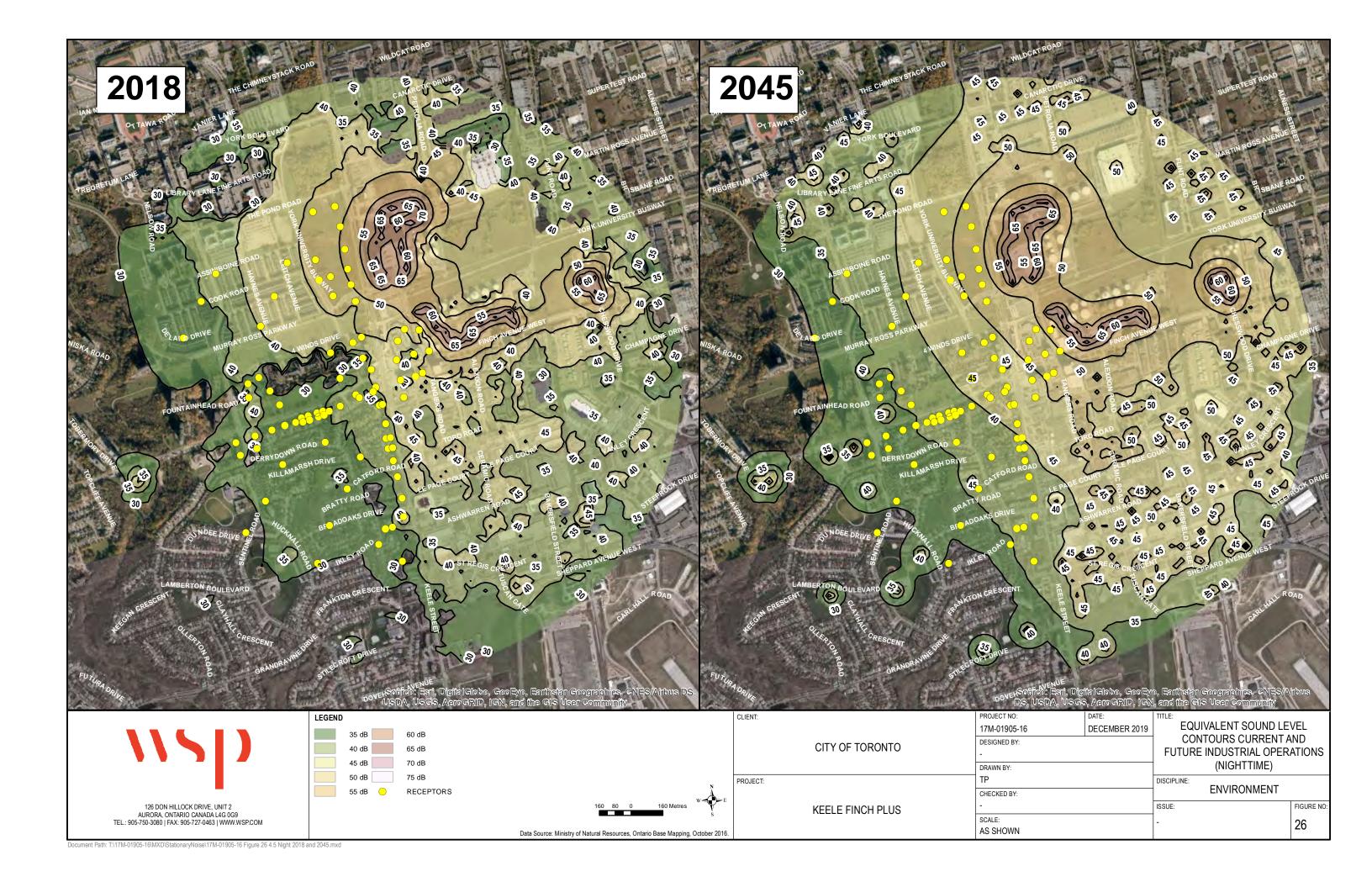


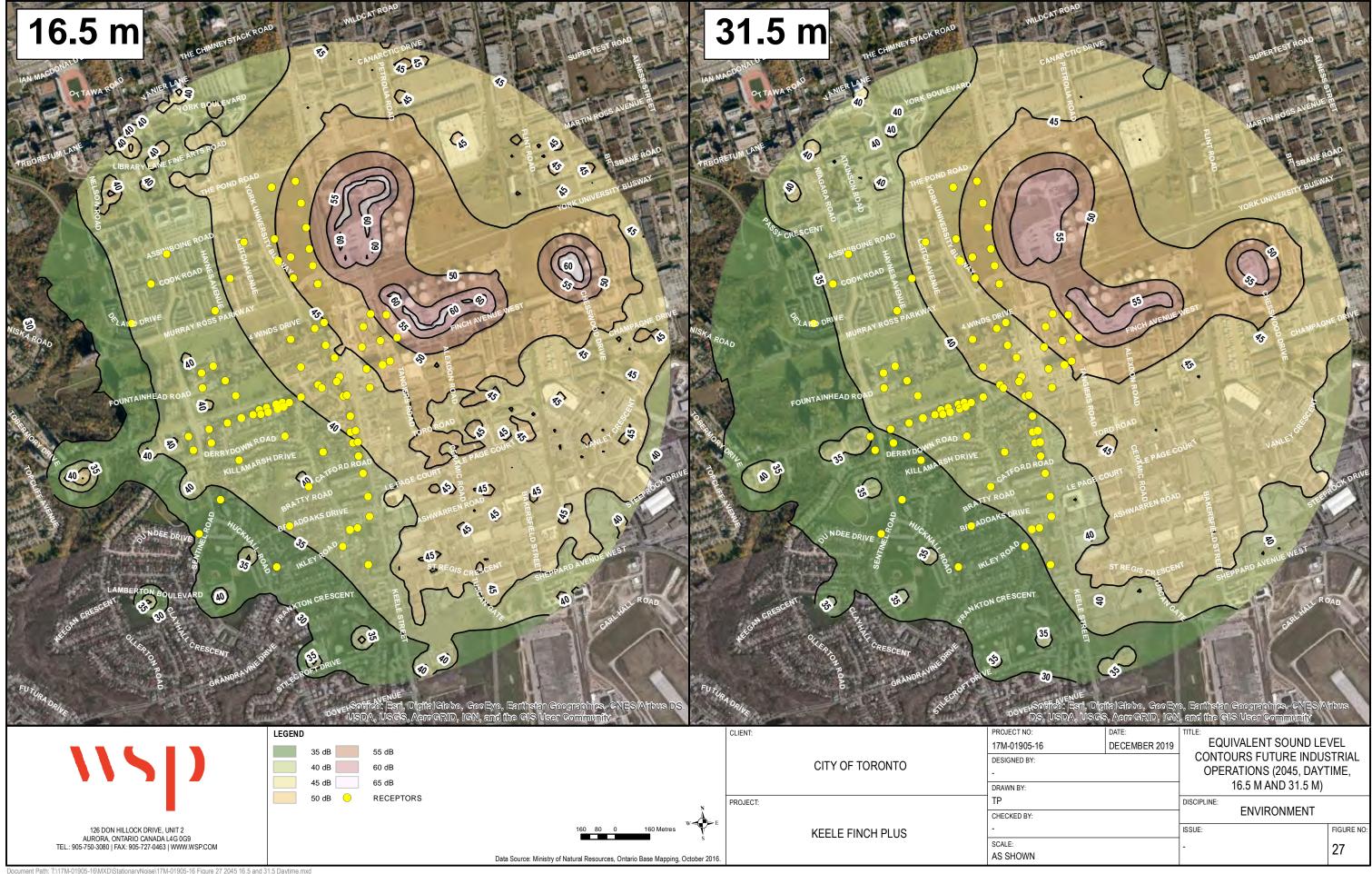


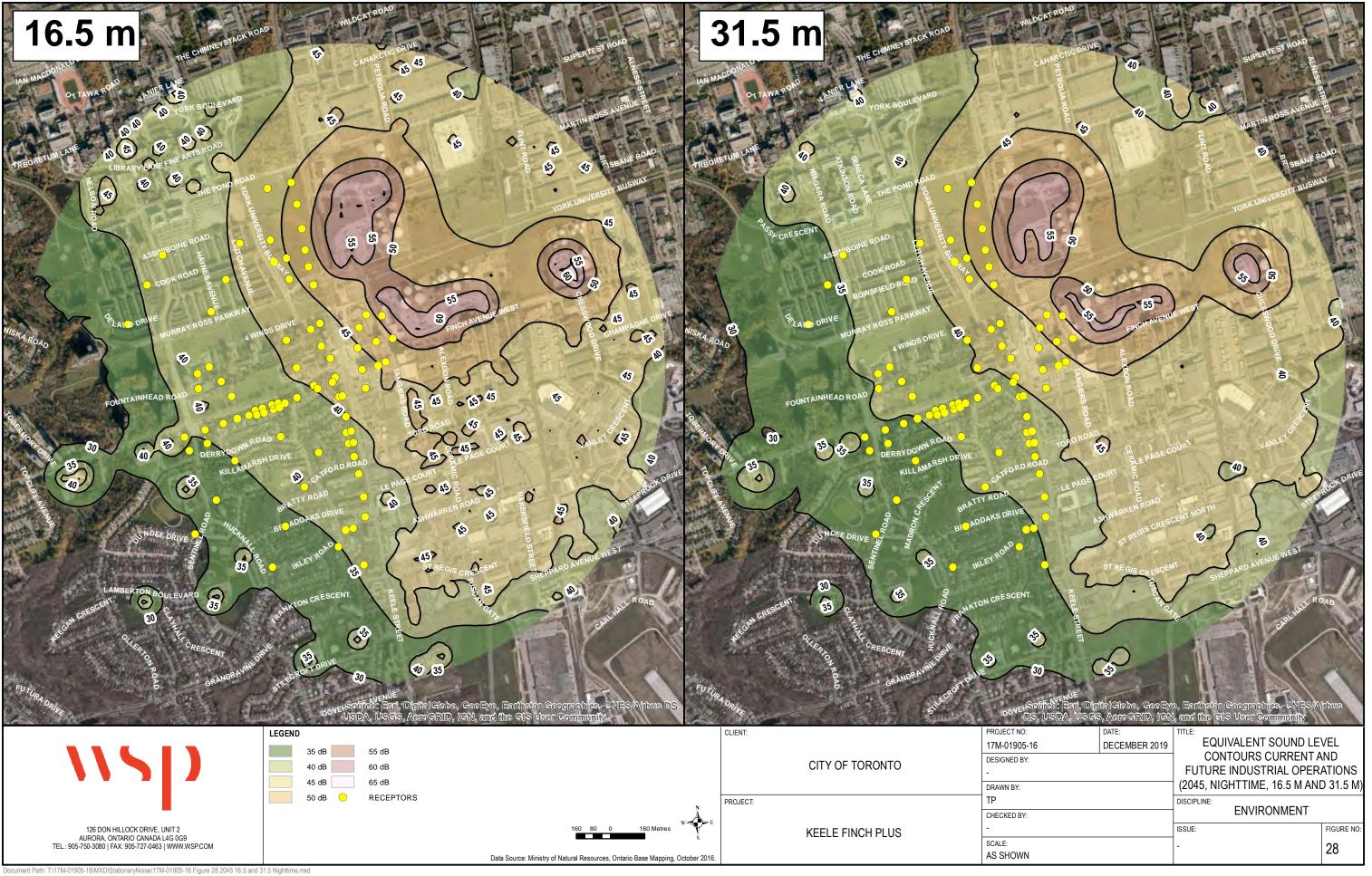


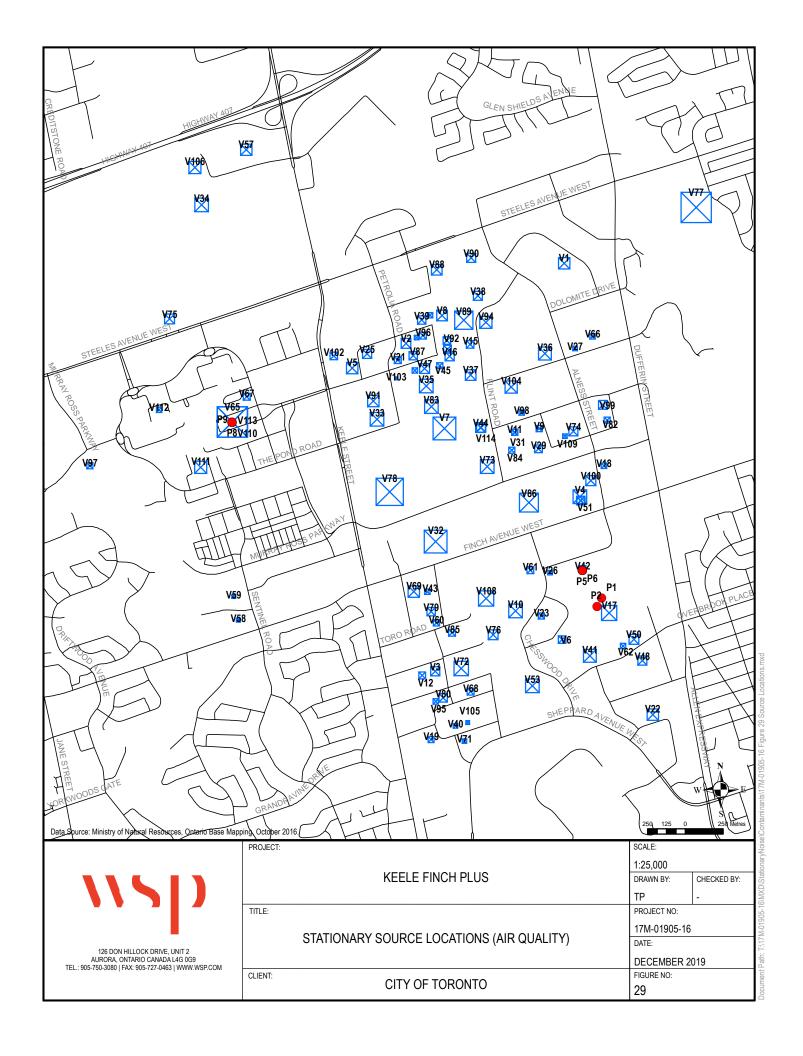


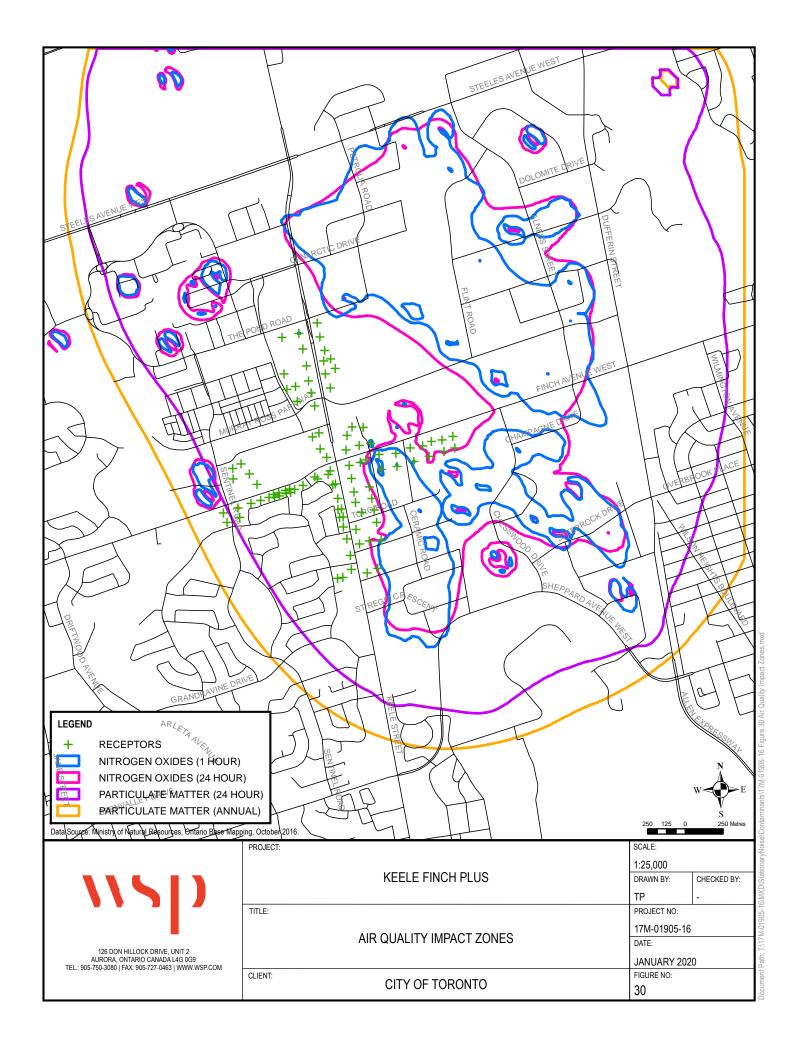


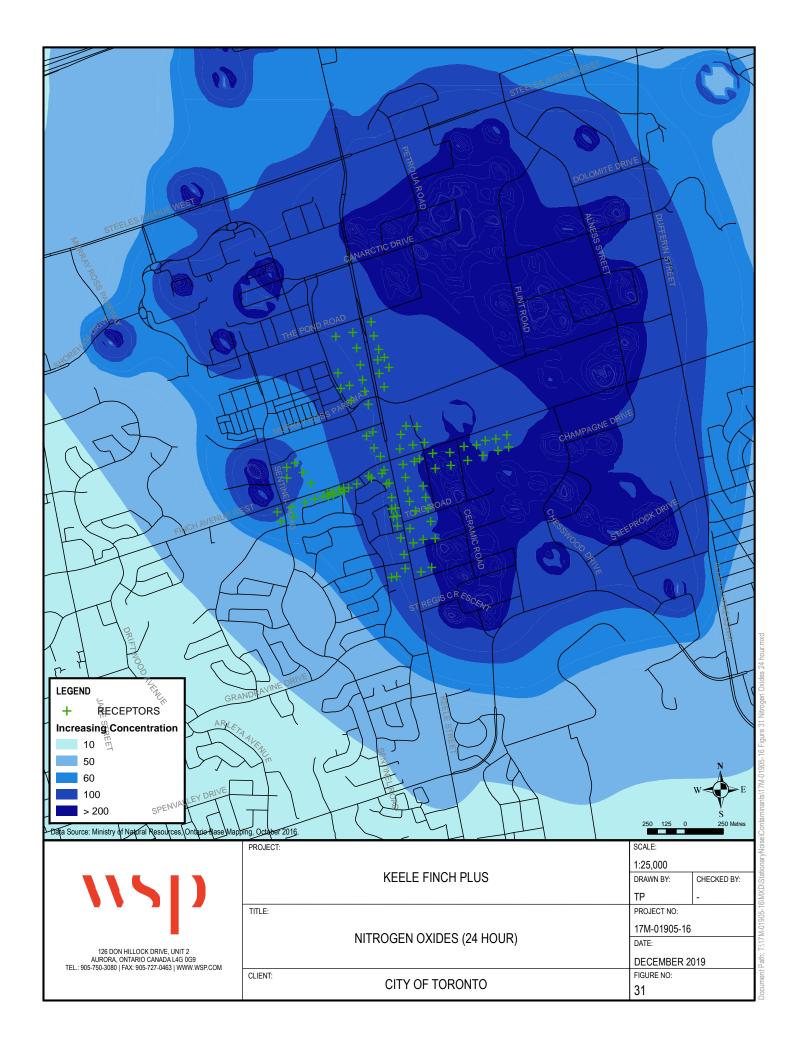


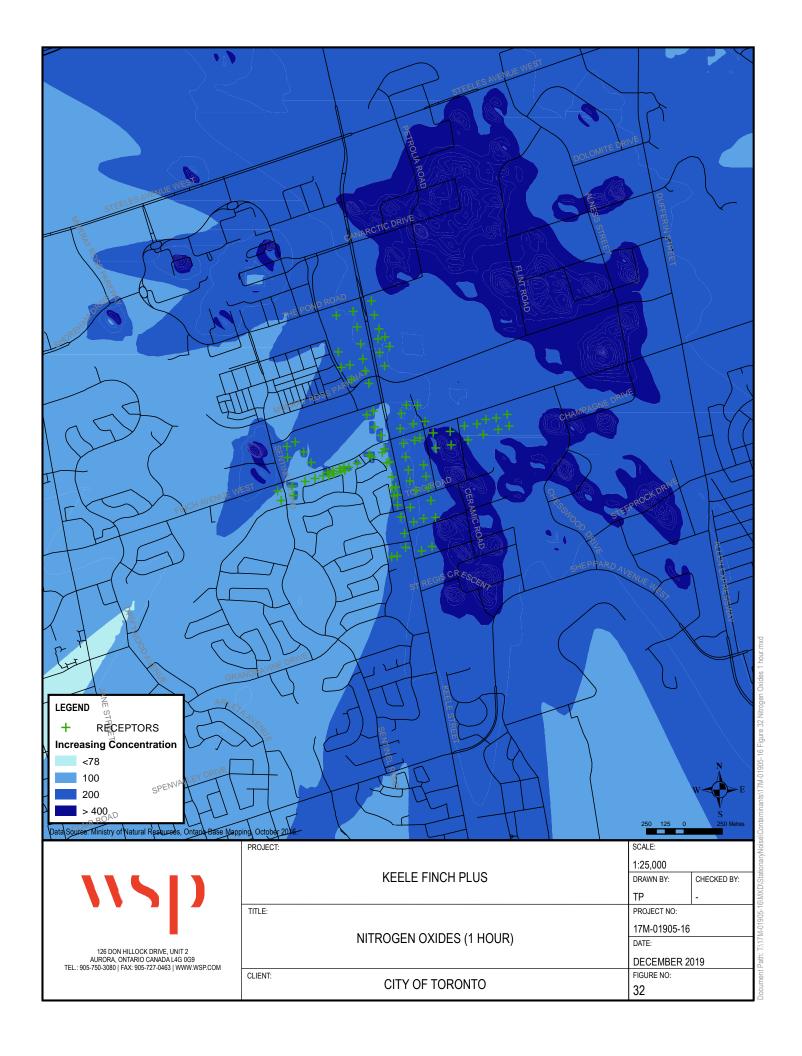


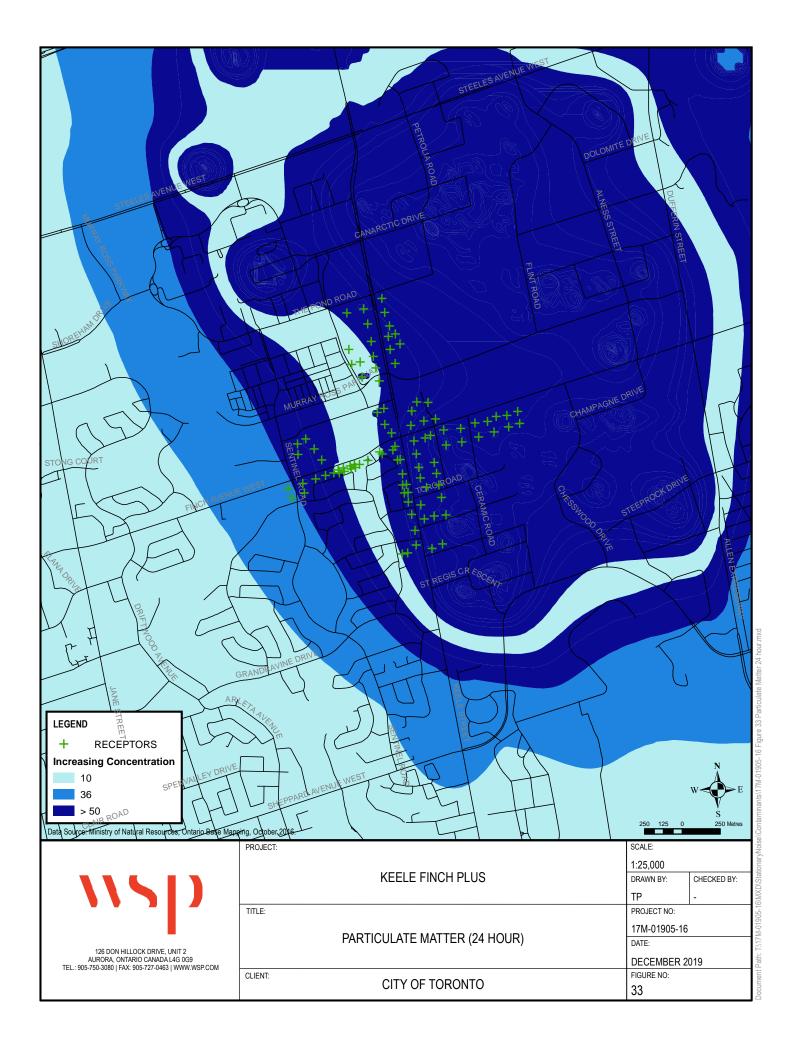


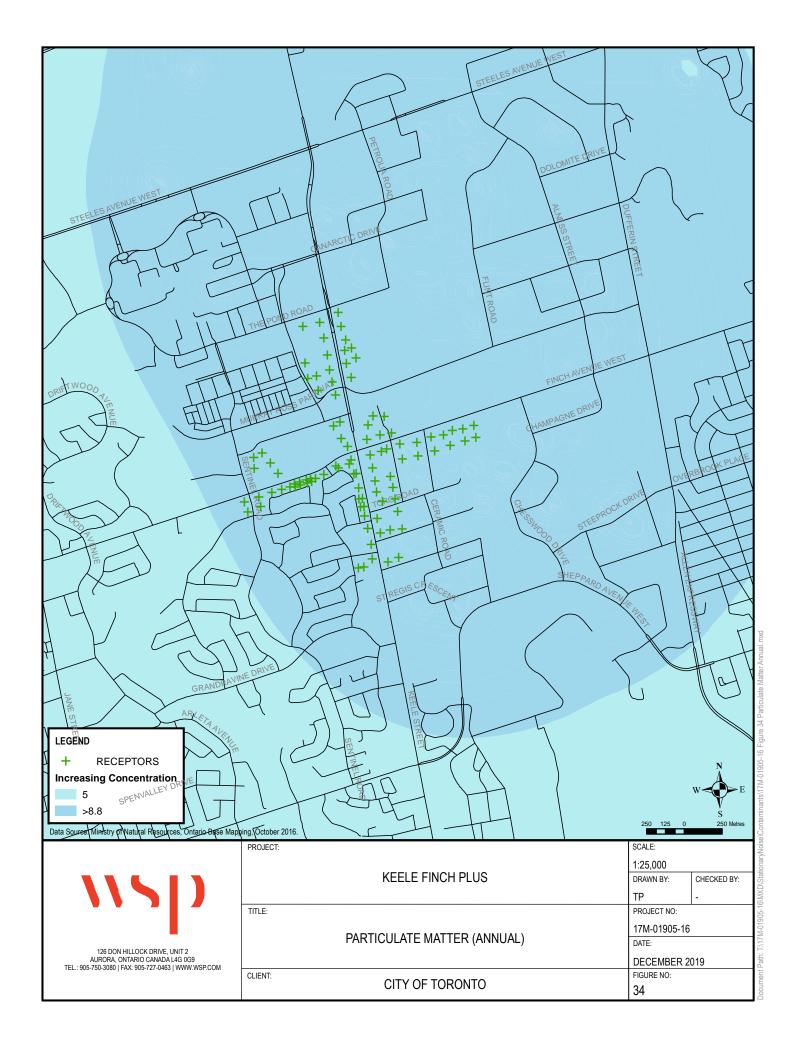


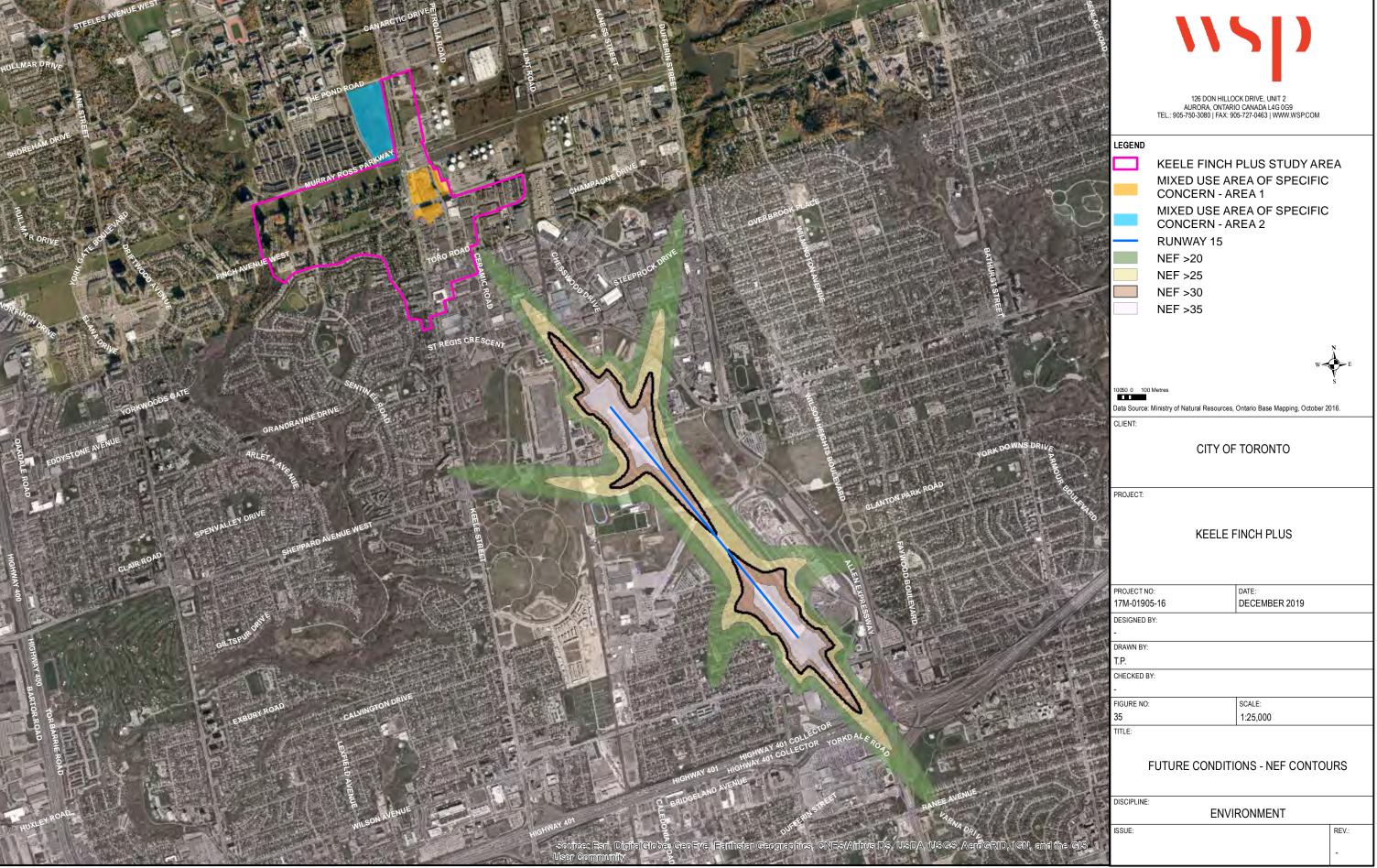


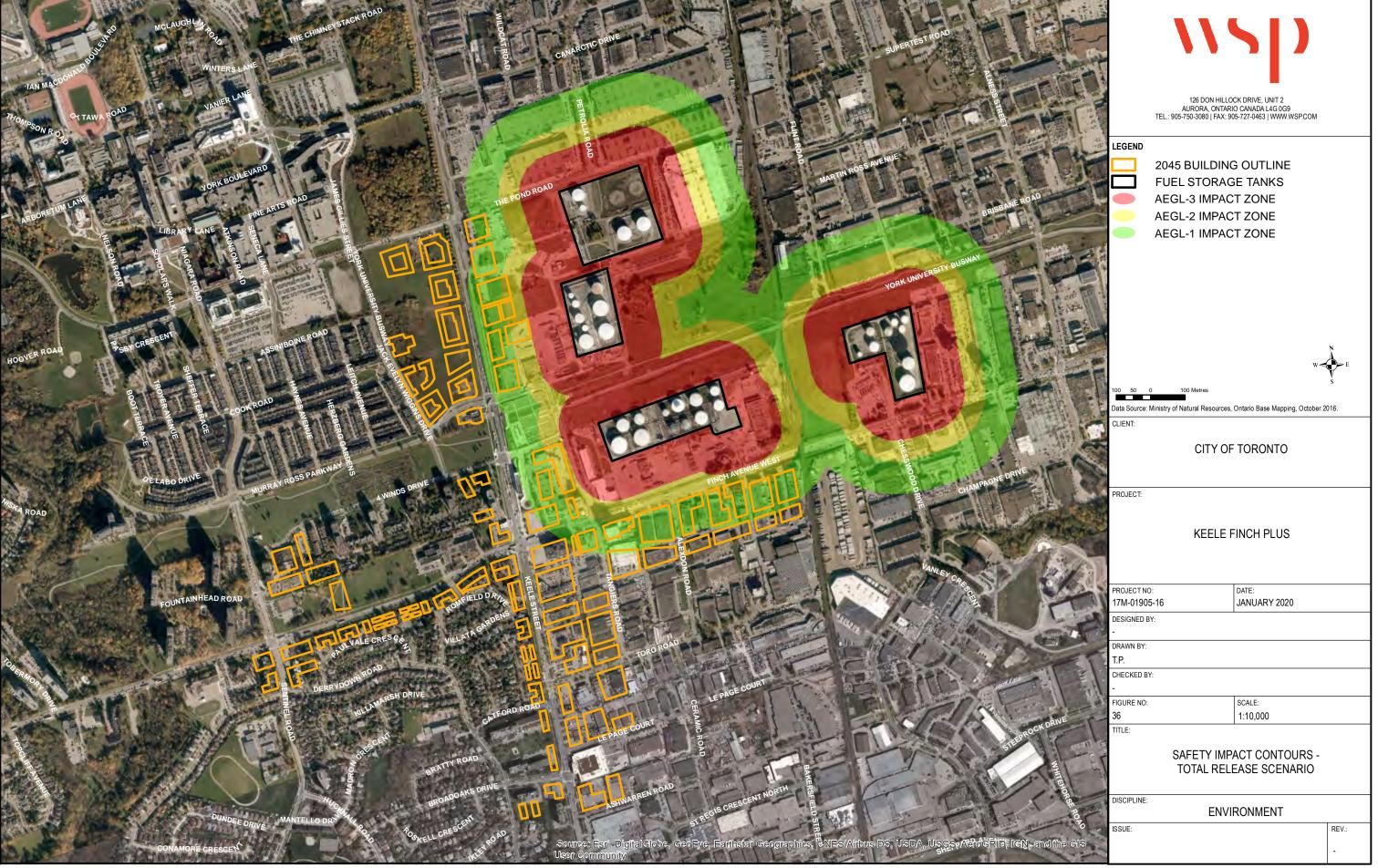












# A RECEPTORS AND SUMMARY RESULTS



TABLE A1: POR's and Summary of Results for Transportation Sources

				Result							Analysis	
	Existing C	onditions	Future C	onditions	Future C	onditions	Future	Conditions	Future [2045]			
	(2018)	[dBA]	(2045)	) [dBA]	(2045	) [dBA]	(204	5) [dBA]	Maximum Sound	Sound Level		
POR ID		Height		n Height		m Height	At 31.	5m Height	Level [dBA]	Criteria [dBA]	Type of mitigation	Remarks
	Day	Night	Day	Night	Day	Night	Day	Night	Day/Night	Day/Night		
G1_001	n/a_18	n/a_18	57	52	62	56	64	58	64 / 58	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**
G1_002	n/a_18	n/a_18	64	58	68	61	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_003	n/a_18	n/a_18	64	58	68	61	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_004	n/a_18	n/a_18	64	58	68	62	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_005	n/a_18	n/a_18	54	49	60	54	62	56	62 / 56	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**
G1_006	n/a_18	n/a_18	55	50	60	54	62	57	62 / 57	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**
G1_007	n/a_18	n/a_18	57	51	62	56	64	58	64 / 58	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**
G1_008	n/a_18	n/a_18	64	58	68	61	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_009	n/a_18	n/a_18	61	54	64	58	65	59	65 / 59	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**
G1_010	n/a_18	n/a_18	65	59	68	62	69	62	69 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_011	n/a_18	n/a_18	67	60	69	63	69	63	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_012	n/a_18	n/a_18	62	56	66	60	67	61	67/61	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_013	n/a_18	n/a_18	62	56	67	61	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1 014	n/a 18	n/a 18	67	61	70	64	70	64	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1 015	n/a_18	n/a 18	67	61	70	64	70	64	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1_016	n/a_18	n/a_18	66	60	67	61	67	61	67 / 61	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1 017	n/a 18	n/a 18	70	63	71	65	70	64	71 / 65	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1 018	n/a 18	n/a 18	67	60	70	64	70	64	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1 019	n/a_18	n/a 18	66	60	69	63	69	63	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1 020	n/a 18	n/a 18	67	61	70	64	70	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G1 021	n/a 18	n/a 18	62	56	67	60	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2 030	n/a 18	n/a 18	62	55	66	60	67	61	67 / 61	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2 031	n/a 18	n/a 18	59	52	64	57	65	59	65 / 59	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**
G2 032	n/a 18	n/a 18	63	56	67	61	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2 033	n/a 18	n/a 18	58	52	63	57	65	59	65 / 59	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**
G2_034	n/a_18	n/a_18	63	57	67	61	68	61	68 / 61	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_035	n/a_18	n/a_18	70	63	72	65	71	64	72 / 65	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_036	n/a_18	n/a_18	68	62	70	63	69	63	70 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_037	n/a_18	n/a_18	69	62	71	65	70	64	71 / 65	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_038	n/a_18	n/a_18	65	59	68	62	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_039	n/a_18	n/a_18	68	61	70	63	69	63	70 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_040	n/a_18	n/a_18	68	61	69	63	69	62	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_041	n/a_18	n/a_18	67	61	69	63	69	62	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_042	n/a_18	n/a_18	70	63	70	64	69	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_043	n/a_18	n/a_18	65	59	68	62	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_044	n/a_18	n/a_18	70	63	70	64	69	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_045	n/a_18	n/a_18	65	59	68	62	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_046	n/a_18	n/a_18	65	59	68	62	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_047	n/a_18	n/a_18	70	63	70	64	69	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_048	n/a_18	n/a_18	70	63	70	64	69	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_049	n/a_18	n/a_18	65	59	68	62	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_050	n/a_18	n/a_18	67	61	69	63	69	62	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_051	n/a_18	n/a_18	68	61	70	63	69	63	70 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**
G2_052	n/a_18	n/a_18	68	62	70	64	69	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**



TABLE A1: POR's and Summary of Results for Transportation Sources

Results									Analysis					
	Existing C	onditions	Future C	onditions	Future C	onditions	Future	Conditions	Future [2045]					
	(2018)	[dBA]	(2045)	[dBA]	(2045	) [dBA]	(204	15) [dBA]	Maximum Sound	Sound Level				
POR ID	At 4.5m	Height	At 4.5m	Height	At 16.5	n Height	At 31.	5m Height	Level [dBA]	Criteria [dBA] Day/Night	Type of mitigation	Remarks		
	Day	Night	Day	Night	Day	Night	Day	Night	Day/Night	50,7,11,8.10				
62_053	n/a_18	n/a_18	65	59	69	62	69	62	69 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_054	n/a_18	n/a_18	61	55	66	59	67	61	67 / 61	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
32_055	n/a_18	n/a_18	65	59	68	62	69	62	69 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_056	n/a_18	n/a_18	63	57	67	61	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
2_057	n/a_18	n/a_18	68	62	71	64	70	64	71 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_058	n/a_18	n/a_18	68	62	71	64	70	64	71 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
i2_059	n/a_18	n/a_18	66	59	69	63	69	63	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
12_060	n/a_18	n/a_18	65	58	68	62	68	62	68 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
2_061	n/a_18	n/a_18	67	61	69	63	69	63	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_062	n/a_18	n/a_18	68	62	70	63	69	63	70 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_063	n/a_18	n/a_18	66	60	69	62	68	62	69 / 62	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_064	n/a_18	n/a_18	71	64	71	65	70	64	71 / 65	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_065	n/a_18	n/a_18	66	60	69	63	68	62	69 / 63	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
2_066	n/a_18	n/a_18	71	64	71	65	70	64	71 / 65	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
2_067	n/a_18	n/a_18	68	62	70	64	69	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
2_068	n/a_18	n/a_18	69	63	70	64	70	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_069	n/a_18	n/a_18	70	63	71	65	70	64	71 / 65	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_070	n/a_18	n/a_18	68	62	70	64	69	63	70 / 64	Ref Table 3.2	Central AC, Selected Building Component	To be addressed at ZPA/SPA**		
62_071	n/a_18	n/a_18	58	52	63	57	64	58	64 / 58	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**		
62_072	n/a_18	n/a_18	60	54	65	58	65	60	65 / 60	Ref Table 3.2	Force Air Ventilation, Building meeting OBC	To be addressed at ZPA/SPA**		
3_100	46	43	51	46	n/a	n/a	n/a	n/a	n/a	n/a				
3_101	49	46	51	47	n/a	n/a	n/a	n/a	n/a	n/a				
3_102	46	43	50	45	n/a	n/a	n/a	n/a	n/a	n/a				
33_103	49	44	51	46	n/a	n/a	n/a	n/a	n/a	n/a	Changes are less than 5dB without shielding by provided by buildings along	n/a		
3_104	48	45	51	46	n/a	n/a	n/a	n/a	n/a	n/a	Keele or Finch	11/4		
i3_105	50	46	52	47	n/a	n/a	n/a	n/a	n/a	n/a				
3_107	56	51	58	52	n/a	n/a	n/a	n/a	n/a	n/a				
3_108	61	55	62	56	62	56	62	56	n/a	n/a				
i3_111	53	48	55	50	n/a	n/a	n/a	n/a	n/a	n/a				
3_112	52	47	54	49	n/a	n/a	n/a	n/a	n/a	n/a				
3_113	53	49	55	50	n/a	n/a	n/a	n/a	n/a	n/a				
3_114	50	47	52	48	n/a	n/a	n/a	n/a	n/a	n/a				
3_115	48	44	50	45	n/a	n/a	n/a	n/a	n/a	n/a	Changes are less than 5dB without shielding by provided by buildings along	n/a		
3_116	47	45	50	45	n/a	n/a	n/a	n/a	n/a	n/a	Keele or Finch	11/4		
3_117	45	42	48	43	n/a	n/a	n/a	n/a	n/a	n/a				
3_118	45	43	48	44	n/a	n/a	n/a	n/a	n/a	n/a				
3_119	50	47	54	49	n/a	n/a	n/a	n/a	n/a	n/a				
3_120	49	47	59	53	n/a	n/a	n/a	n/a	n/a	n/a				

n/a\_2018 represents that it is currently not a receptor, but a future receptor

n/a - represent it is not a receptor currently or future(in G3 group 16.5 m and 31.5 m receptors are not applicable to two story buildings and therefore an "n/a" is provided
\*\* there are minor to major exceedances noted; both of these can be addressed during ZPA/SAP with a refined site specific study; major exceedances appear to be related to trucking activities, which can in most cases addressed with a barrier or appropriate site plan.



TABLE A2: POR's and Summary of Results for Stationary Sources

			,	s for Statio Result							Analysis
	Existing (	Conditions	Future C	onditions	Future C	onditions	Future	Conditions			. 7
		(dBA)		) [dBA]		) [dBA]		45) [dBA]	Future [2045]	Carried Larred Criteria	
POR ID		Height		n Height		n Height		.5m Height	Maximum Sound Level	Sound Level Criteria [dBA] Day/Night	Remarks
	Day	Night	Day	Night	Day	Night	Day	T	[dBA] Day/Night	[ubA] Day/Nigiit	
C1 001				44		-	•	Night	45 / 44	60 / 55	Class 4 Limits
G1_001	n/a_18	n/a_18	45		44	43	44	43 45	45 / 44 47 / 46	60 / 55	Class 4 Limits
G1_002	n/a_18	n/a_18	47	46	46	45	46	45	· '	60 / 55	Class 4 Limits
G1_003	n/a_18	n/a_18	48	47	48	47	48		48 / 47	60 / 55	Class 4 Limits
G1_004	n/a_18	n/a_18	50	48	49	48	49	48	50 / 48	60 / 55	Class 4 Limits
G1_005	n/a_18	n/a_18	45	44	45	44	45	43	45 / 44	60 / 55	Class 4 Limits
G1_006	n/a_18	n/a_18	45	44	45	43	44	43	45 / 44	60 / 55	Class 4 Limits
G1_007	n/a_18	n/a_18	47	45	46	45	46	45	47 / 45	60 / 55	Class 4 Limits
G1_008	n/a_18	n/a_18	49	48	49	48	49	48	49 / 48	60 / 55	Class 4 Limits
G1_009	n/a_18	n/a_18	46	45	45	44	45	44	46 / 45	60 / 55	Class 4 Limits
G1_010	n/a_18	n/a_18	49	48	49	47	48	47	49 / 48	60 / 55	Class 4 Limits
G1_011	n/a_18	n/a_18	48	47	47	46	47	46	48 / 47	60 / 55	Class 4 Limits
G1_012	n/a_18	n/a_18	50	49	50	49	49	47	50 / 49	60 / 55	Class 4 Limits
G1_013	n/a_18	n/a_18	48	47	48	47	47	45	48 / 47	60 / 55	Class 4 Limits
G1_014	n/a_18	n/a_18	46	45	46	45	45	44	46 / 45	60 / 55	Class 4 Limits
G1_015	n/a_18	n/a_18	48	47	48	47	47	46	48 / 47	60 / 55	Class 4 Limits
G1_016	n/a_18	n/a_18	53	52	53	52	51	50	53 / 52	60 / 55	Class 4 Limits
G1_017	n/a_18	n/a_18	51	50	51	50	49	48	51 / 50	60 / 55	Class 4 Limits
G1_018	n/a_18	n/a_18	45	44	45	43	43	42	45 / 44	60 / 55	Class 4 Limits
G1_019	n/a_18	n/a_18	47	45	46	45	45	44	47 / 45	60 / 55	Class 4 Limits
G1_020	n/a_18	n/a_18	47	46	47	46	45	44	47 / 46	60 / 55	Class 4 Limits
G1_021	n/a_18	n/a_18	44	43	44	42	42	41	44 / 43	60 / 55	Class 4 Limits
G2_030	n/a_18	n/a_18	34	33	38	37	36	35	38 / 37	50 / 45	Class 1 Limits
G2_031	n/a_18	n/a_18	34	33	38	37	37	36	38 / 37	50 / 45	Class 1 Limits
G2_032	n/a_18	n/a_18	34	33	37	36	36	35	37 / 36	50 / 45	Class 1 Limits
G2_033	n/a_18	n/a_18	38	37	38	37	37	36	38 / 37	50 / 45	Class 1 Limits
G2_034	n/a_18	n/a_18	38	37	38	37	37	36	38 / 37	50 / 45	Class 1 Limits
G2_035	n/a_18	n/a_18	33	33	36	35	35	34	36 / 35	50 / 45	Class 1 Limits
G2_036	n/a_18	n/a_18	33	32	36	35	35	34	36 / 35	50 / 45	Class 1 Limits
G2_037	n/a_18	n/a_18	33	32	36	35	35	34	36 / 35	50 / 45	Class 1 Limits
G2_038	n/a_18	n/a_18	32	32	36	35	35	34	36 / 35	50 / 45	Class 1 Limits
G2_039	n/a_18	n/a_18	33	33	37	36	36	35	37 / 36	50 / 45	Class 1 Limits
G2_040	n/a_18	n/a_18	36	35	37	36	36	35	37 / 36	50 / 45	Class 1 Limits
G2_041	n/a_18	n/a_18	38	37	38	37	37	35	38 / 37	50 / 45	Class 1 Limits
G2_042	n/a_18	n/a_18	39	37	38	37	37	36	39 / 37	50 / 45	Class 1 Limits
G2_043	n/a_18	n/a_18	38	37	38	37	37	36	38 / 37	50 / 45	Class 1 Limits
G2_044	n/a_18	n/a_18	39	38	39	37	37	36	39 / 38	50 / 45	Class 1 Limits
G2_045	n/a_18	n/a_18	39	38	38	37	37	36	39 / 38	50 / 45	Class 1 Limits
G2_046	n/a_18	n/a_18	39	38	39	38	38	36	39 / 38	50 / 45	Class 1 Limits
G2_047	n/a_18	n/a_18	40	38	39	38	38	37	40 / 38	50 / 45	Class 1 Limits
G2_048	n/a_18	n/a_18	40	39	39	38	38	37	40 / 39	50 / 45	Class 1 Limits
G2_049	n/a_18	n/a_18	40	39	39	38	38	37	40 / 39	50 / 45	Class 1 Limits
G2_050	n/a_18	n/a_18	40	39	40	38	38	37	40 / 39	50 / 45	Class 1 Limits



										/	a
G2_051	n/a_18	n/a_18	41	40	40	39	39	38	41 / 40	50 / 45	Class 1 Limits
G2_052	n/a_18	n/a_18	42	41	41	40	40	39	42 / 41	50 / 45	Class 1 Limits
G2_053	n/a_18	n/a_18	42	41	41	40	40	39	42 / 41	50 / 45	Class 1 Limits
G2_054	n/a_18	n/a_18	45	44	44	43	43	42	45 / 44	50 / 45	Class 1 Limits
G2_055	n/a_18	n/a_18	46	44	45	44	44	43	46 / 44	50 / 45	Class 1 Limits
G2_056	n/a_18	n/a_18	45	43	44	43	43	42	45 / 43	50 / 45	Class 1 Limits
G2_057	n/a_18	n/a_18	45	44	44	43	43	42	45 / 44	50 / 45	Class 1 Limits
G2_058	n/a_18	n/a_18	43	42	43	42	42	40	43 / 42	50 / 45	Class 1 Limits
G2_059	n/a_18	n/a_18	43	42	42	41	41	40	43 / 42	50 / 45	Class 1 Limits
G2_060	n/a_18	n/a_18	42	41	42	41	40	39	42 / 41	50 / 45	Class 1 Limits
G2_061	n/a_18	n/a_18	43	42	42	41	41	40	43 / 42	50 / 45	Class 1 Limits
G2_062	n/a_18	n/a_18	42	41	41	40	40	39	42 / 41	50 / 45	Class 1 Limits
G2_063	n/a_18	n/a_18	41	40	40	39	39	38	41 / 40	50 / 45	Class 1 Limits
G2_064	n/a_18	n/a_18	41	40	40	39	39	38	41 / 40	50 / 45	Class 1 Limits
G2_065	n/a_18	n/a_18	40	39	40	39	38	38	40 / 39	50 / 45	Class 1 Limits
G2_066	n/a_18	n/a_18	41	40	40	39	39	38	41 / 40	50 / 45	Class 1 Limits
G2_067	n/a_18	n/a_18	40	39	40	39	38	37	40 / 39	50 / 45	Class 1 Limits
G2_068	n/a_18	n/a_18	40	39	39	38	38	37	40 / 39	50 / 45	Class 1 Limits
G2_069	n/a_18	n/a_18	39	38	38	38	37	36	39 / 38	50 / 45	Class 1 Limits
G2_070	n/a_18	n/a_18	38	37	38	37	36	36	38 / 37	50 / 45	Class 1 Limits
G2_071	n/a_18	n/a_18	37	36	37	36	35	35	37 / 36	50 / 45	Class 1 Limits
G2_072	n/a_18	n/a_18	37	36	37	36	36	35	37 / 36	50 / 45	Class 1 Limits
G3_100	40	38	38	37	n/a	n/a	n/a	n/a	38 / 37	50 / 45	Class 1 Limits
G3_101	45	44	43	42	n/a	n/a	n/a	n/a	43 / 42	50 / 45	Class 1 Limits
G3_102	35	34	33	32	n/a	n/a	n/a	n/a	33 / 32	50 / 45	Class 1 Limits
G3_103	33	32	31	30	n/a	n/a	n/a	n/a	31 / 30	50 / 45	Class 1 Limits
G3_104	43	42	41	40	n/a	n/a	n/a	n/a	41 / 40	50 / 45	Class 1 Limits
G3_105	41	40	40	39	n/a	n/a	n/a	n/a	40 / 39	50 / 45	Class 1 Limits
G3_107	41	39	43	42	n/a	n/a	n/a	n/a	43 / 42	50 / 45	Class 1 Limits
G3_108	54	54	56	56	45	45	42	41	56 / 56	50 / 45	Class 1 Limits
G3_111	35	34	37	36	n/a	n/a	n/a	n/a	37 / 36	50 / 45	Class 1 Limits
G3_112	33	32	32	31	n/a	n/a	n/a	n/a	32 / 31	50 / 45	Class 1 Limits
G3_113	36	35	39	38	n/a	n/a	n/a	n/a	39 / 38	50 / 45	Class 1 Limits
G3_114	34	33	37	36	n/a	n/a	n/a	n/a	37 / 36	50 / 45	Class 1 Limits
G3_115	32	31	31	30	n/a	n/a	n/a	n/a	31 / 30	50 / 45	Class 1 Limits
G3_116	32	31	32	31	n/a	n/a	n/a	n/a	32 / 31	50 / 45	Class 1 Limits
G3_117	30	29	30	29	n/a	n/a	n/a	n/a	30 / 29	50 / 45	Class 1 Limits
G3_118	31	30	30	30	n/a	n/a	n/a	n/a	30 / 30	50 / 45	Class 1 Limits
G3_119	32	31	35	35	n/a	n/a	n/a	n/a	35 / 35	50 / 45	Class 1 Limits
G3_120	31	30	37	36	n/a	n/a	n/a	n/a	37 / 36	50 / 45	Class 1 Limits
								•	•		

Notes:

n/a\_2018 represents that it is currently not a receptor, but a future receptor

n/a - represent it is not a receptor currently or future(in G3 group 16.5 m and 31.5 m receptors are not applicable to two story buildings and therefore an "n/a" is provided

## B TRAFFIC NOISE



### APPENDIX B: Traffic Data

City of Toronto - Traffic Counts Time Period : 8 Hour Sum

Intersection	Time Beried	Survey Date		Northbo	und			Eastbou	nd			Southbo	und			Westboo	ınd	
intersection	Time Feriou	Survey Date	Total Cars	Total Trucks	Total Buses	TOTAL	Total Cars	Total Trucks	Total Buses	TOTAL	Total Cars	Total Trucks	Total Buses	TOTAL	Total Cars	Total Trucks	Total Buses	TOTAL
Alexdon Road at Finch Ave W	8 Hour Sum	6-Jul-16	2043	141	nil	2184	5723	427	137	6287	nil	nil	nil	nil	7494	451	144	8089
Romfield Lane at Finch Ave W	8 Hour Sum	23-Feb-16	367	nil	nil	367	4250	300	119	4669	nil	nil	nil	nil	4048	303	120	4471
Sentinel Road at Finch Ave W	8 Hour Sum	6-Jul-16	2830	56	49	2935	7413	351	112	7876	4158	70	57	4285	4270	284	109	4663
Tangiers Road at Finch Ave W	8 Hour Sum	23-Feb-16	1655	171	95	1921	4092	312	118	4522	2895	204	47	3146	6251	445	162	6858
Four Winds Dr at Sentinel Rd	8 Hour Sum	27-Apr-17	2659	48	59	2766	0	nil	nil	nil	3175	52	66	3293	992	nil	nil	992
Broadoaks Dr at Keele St	8 Hour Sum	23-Feb-16	6276	233	77	6586	2242	26	nil	2268	5530	266	75	5871	647	nil	nil	647
Finch Ave W at Keele St	8 Hour Sum	27-Feb-16	2869	22	nil	2891	3922	117	98	4137	3198	48	71	3317	3506	96	90	3692
Four Winds Dr at Keele St	8 Hour Sum	6-Jul-16	3052	127	nil	3179	574	nil	nil	574	2918	246	77	3241	nil	nil	nil	nil
Murray Ross Pkwy at Keele St	8 Hour Sum	23-Feb-16	2979	91	nil	3070	1956	32	34	2022	4795	331	102	5228	3136	256	132	3524
The Pond Rd at Keele St	8 Hour Sum	27-Feb-16	3917	113	86	4116	1332	nil	nil	1332	3770	74	92	3936	659	35	nil	694
Toro Rd at Keele St	8 Hour Sum	23-Feb-16	5374	202	98	5674	nil	nil	nil	nil	3425	198	98	3721	2491	95	nil	2586
Tangiers Road at Toro Road	8 Hour Sum	8-Feb-12	nil	nil	nil	nil	1510	95	nil	1605	1144	69	nil	1213	1658	135	nil	1793

Note: nil - means traffic data is less than 20 vehicles; the total value represent all vehicles

C ACOUSTIC BASELINE

### NOISE MONITORING

WSP conducted an environmental baseline study to assess and quantify the existing acoustic environment (acoustics), at and around the Keele-Finch Plus area. This baseline data was used to calibrate the existing condition/baseline model.

A combination of long-term automated measurements, short term spot measurements and traffic noise predictions were used to quantify baseline data (or acoustical environment). Both long-term automated and short-term spot check measurements were taken within the study area. These data were used to calibrate traffic noise modelling that was conducted using the current traffic volume data.

Baseline sound levels were found to be dominated by anthropogenic source in the study area (in the industrial/commercial area).

### LONG TERM SOUND LEVEL MONITORING PROGRAM

WSP conducted long term noise monitoring at six (6) receptor locations in the Keele Finch Plus study area; however, one of the measurement locations, LTM2 had background noise interferences, so was deemed unusable. These noise monitoring locations were identified on Figure C1 below. Long term monitoring was conducted to quantify temporal variation (i.e. time varying nature of the sound) in existing acoustical environment (i.e. baseline acoustical conditions). The monitoring was conducted between March 21st and April 12th, 2018.

**Figure C1: Measurement locations** 



Long term measurements 1 and 2 were conducted between March 26th and April 6th, 2018. These were chosen along Tangiers near Keele and Finche in the industrial/commercial area to quantify road traffic noise. Long term measurement 3 and 4 were conducted between March 21st and 24th, 2018. These were chosen close to Keele Street

and Finch Avenue to quantify the road traffic noise. The last long-term measurements 5 and 6 were conducted between April 6th and April 11th, 2018. These were conducted in the residential area just southwest of Keele and Finch Intersection and along Finch across from commercial area. The long-term measurements provide an insight into the time varying nature of the sound in the area. The long-term measurements were used to calibrate traffic noise modelling.

Type 1 Larson Davis Model sound level meters were used for the background sound level monitoring program. The monitors were deployed in a weather-proof case with the accompanying microphone fitted into a weather-protection unit with a windscreen fitted over it. During measurement periods, data was collected for equivalent sound level (Leq). The calibration of the background sound level monitors was verified before and after each monitoring period to maintain measurement accuracy. A handheld GPS unit was used to record the location of each monitored locations.

Measurements were performed in accordance with the procedures outlined in the MOECC Publication NPC-103 (procedures) (MOE, 2003). The weather conditions were appropriate for outdoor measurement. The minute-long measurements were used to establish 16-hour (daytime), 8-hour (nighttime) and 1-hour equivalent sound levels (Leq). The results of the background sound level monitoring at these six locations are summarized in graphs in Figures C2 to C7.

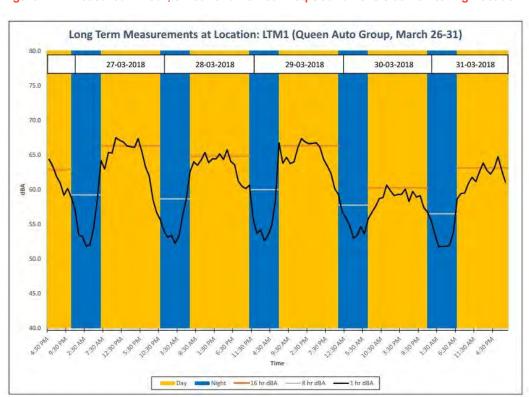


Figure C2 - Measured 1-hour, 8-hour and 16-hour Leq Sound Levels at Monitoring Location LTM1

Figure C3 – Measured 1-hour, 8-hour and 16-hour Leq Sound Levels at Monitoring Location LTM3

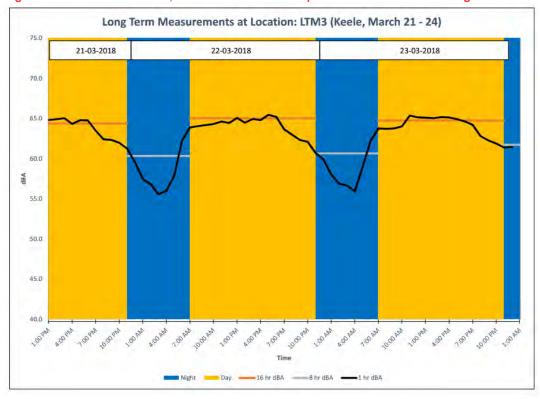


Figure C4 - Measured 1-hour, 8-hour and 16-hour Leq Sound Levels at Monitoring Location LTM4

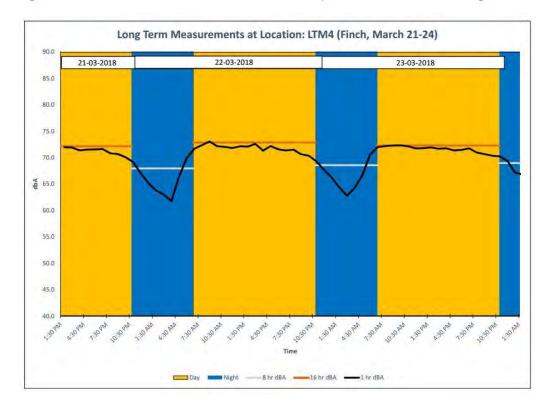


Figure C5 – Measured 1-hour, 8-hour and 16-hour Leq Sound Levels at Monitoring Location LTM5

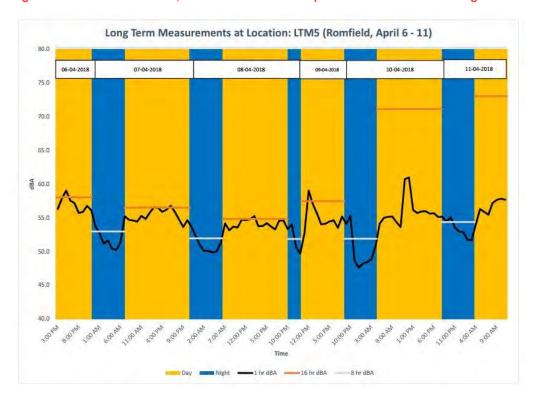
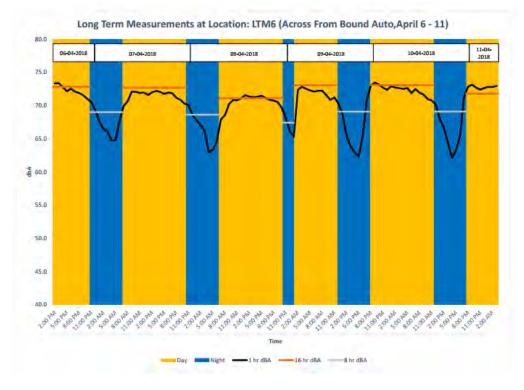


Figure C6 - Measured 1-hour, 8-hour and 16-hour Leq Sound Levels at Monitoring Location LTM6



For all five locations, hourly equivalent sound levels were observed to decrease during the night-time hours. The daytime sound level is found to be dominated by traffic noise. The results of the background sound level monitoring

at these locations show a decrease in sound level during the night-time hours consistent with a decrease in traffic volume.

The following Table provides a comparison of measured sound level and predicted baseline sound level. It shows that the acoustic model predicted within measurement and prediction tolerance acceptable to MECP.

**Table C1: Calibration Summary using Long Term Measurements** 

Location	Average Measured	Sound Level [dBA]	Predicted Sour	nd Level [dBA]
	Day	Night	Day	Night
LTM1	72	69	69	63
LTM3	58	54	67	90
LTM4	64	58	70	64
LTM5	57	52	59	53
LTM6	73	69	75	68

## D REGULATORY APPROVALS DATA



Facility	Address	Source Information
		Natural Gas Fired Boiler
		Natural Gas Fired Boiler
		Natural Gas Fired High Pressure Wash Water Heater
		Natural Gas Fired Hot Water Heater
		Mortadella Oven
		Ham Oven
		Exhaust System - Serving Aging Room
		Cooling Tower Processing 2525 L/min of water
		Exhaust System - Serving Shrink Tunnel
		Exhaust System - Serving Wash Up / Tempering Room
Cappola Food	25 Lepage Court	Drying Room - Schedule "A" - Stack 27
		Drying Room - Schedule "A" - Stack 28
		Drying Room - Schedule "A" - Stack 29
		Drying Room - Schedule "A" - Stack 30
		Drying Room - Schedule "A" - Stack 31
		Drying Room - Schedule "A" - Stack 32
		Fermentation Room - Schedule "A" - Stack 33
		Fermentation Room - Schedule "A" - Stack 34
		Fermentation Room - Schedule "A" - Stack 35
		Fermentation Room - Schedule "A" - Stack 36
		Ventilation for 6 hot oil presses (values are per)
		Thermal Fluid Heater
		Wisconsin Oven - 3 natural gas fired burners (values are per)
Sky Windows Technologies	40 St. Regis Crescent N	Wisconsin Oven - 1 exhaust fan
,	, and the second	Wisconsin Oven - 1 oven discharge canopy hood
		Natural Gas Fired Unit Heaters (13 combined heat input, emit through 13 stacks) - 12
		stacks
		1 Stack
		200 tonnes of metal recycled/day
Ram Iron & Metal Inc.	60 Ashwarren Road	oxy-fuel metal cutting & torching of 1 tonne/hr steel with paint residue and 4 tonnes/hr
		unpainted steel
Saad's Garage	130 Lepage Court	1 Paint Spray Booth
		1 Paint Spray Booth
Keele Street Collision	126 Lepage Court	1 Paint Mix Room
		1 Exhaust System - Emissions from Soldering Machine (#1)
Stim Canada Inc.	85 Toro Road	
		1 Exhaust System - Emissions from Soldering Machine (#2)
MMA Auto Ltd.	80 Toro Road	1 Paint Spray Booth Exhaust
		1 Paint Spray Booth - Natural Gas Fired Air Make-up Unit
Carstar Downsview	1221 Finch Avenue West	Combined Spray Booth and Drying Oven
Carotai Bownoview	12211 mont wonde wood	Combined Spray Booth and Drying Oven - Burner
Vitafoam Products Canada Limited	150 Toro Road	20 million kg of polyurethane foam products/year
Esso (Imperial Oil) Finch Avenue Complex	1150 Finch Avenue West	Storage Tanks
Shell Canada Products Keele Terminal	3975 Keele Street & 3985 Keele Street	Storage Tanks
Suncor Metro Depot	1138 Finch Avenue West	Storage Tanks and Distribution
Vision Autobody Repair & Repaint Inc.	51 Toro Road, Unit 2	Paint Spray Booth
Inkas Security Services Ltd	830 Flint Road	
llikas Security Services Ltu	630 FIIII Road	Paint Spray Booth
		General Ventilation Exhaust Fans Discharging Fugitive Emissions from the Plant Building
		Exhaust Fan Serving 1 Paint Testing Station
		Stack Serving 1 Electric Pretreatment Oven - Printing Line
Zonan Custom Creating Inc	430 Flint Road	Stack Serving 1 Electric Curing Oven - Printing Line
Zenan Custom Cresting Inc.	430 Fillit Road	Stack Serving Natural Gas Infrared Catalytic Curing Oven
		Stack Serving Natural Gas Infrared Catalytic Preheat Oven
		Stack Serving Paint Spray Booth 2
		Stack Serving Paint Spray Booth 1
Otenses Internet 1 T 1	005 511 1 5	Natural Gas Fired Heaters & Air Make-up Units
Stayana International Trading	325 Flint Road	Exhaust System Serving Extrusion Operation (Stack S1)
		Natural Gas Metal Furnace Used to Heat Metal Parts
E. Myatt & Co. Inc.	101 Brisbane Road	Exhaust Fan Serving the Paint Dipping Room
		Welding Operations
Yoplait Liberte Canada Co.	60 Brisbane Road	3600 tonnes of yogurt dairy products per year
Regency Plastics Company Limited **ECA Link broken**	50 Brisbane Road	
rogeries i lastice company clinica Lon clin broken	JO DIISDAITE NOAU	Fuhaust Fan /FF 20\ Camina Bua Washing A
		Exhaust Fan (EF-39) Serving Bus Washing Area
		Exhaust Fan (EF-40) Serving Bus Washing Area
Metrolinx - Steeprock Facility	200 Steeprock Drive	Exhaust Fan (WEF-1) Serving Bus Area for Welding
Metrolinx - Steeprock Facility	200 Steeprock Drive	
Metrolinx - Steeprock Facility	200 Steeprock Drive	Exhaust Fan (WEF-1) Serving Bus Area for Welding
Metrolinx - Steeprock Facility  Conquest Vacations Company	200 Steeprock Drive  85 Brisbane Road	Exhaust Fan (WEF-1) Serving Bus Area for Welding Exhaust Fan (WEF-2) Serving Body Shop for Welding

Facility	Address	Source Information
		Roaster 1-Combustion (12)
		Roaster 1-Combustion (13)
		Roaster 1-Cooling (16)
		Roaster 2-Combustion (88)
		Roaster 2-Combustion (89)
		Roaster 2-Cooling (15)
		Dry Roaster-Combustion (J1)
		Dry Roaster-Cooling (J2)
	555.01	Big Daddy Roaster-Combustion(J4)
Johnvince Foods Ltd.	555 Steeprock Drive	Big Daddy Roaster-Cooling (J6)
		Big Daddy Roaster-Cooling (J7)
		Boiler (B1)
		Boiler (B2)
		Roaster Power Washer (J8)
		Roaster Power Washer (J9)
		Wash Bay Power Washer (J10)
		Washer Booster Heater (J11)
		Saaco Combustion (J18)
		Saaco Combustion (J19)
		Paint Booth - S1
KOA Owstand Cit I I I I I I	500 04 1 5 :	Paint Booth - S2
KGA Custom Kitchens Limited	590 Steeprock Drive	Paint Booth - S3
		Natural Gas Fired Air Replacement Unit
Greater Toronto Transit Authority - Steeprock Bus Facility	200 Steeprock Drive	Standby Diesel Generator- 500 kW Rating
Ground Transit Authority - Gleeprook bus Facility	200 Olecpiock Dilve	Natural Gas Fired Thermal Oxidizer for Coffee Roasters (S1)
		` '
Mountain View Estates Coffee Company Ltd	400 Steenrook Drive	Cyclone Serving the Coffee Cooling Process (S2-A)
Mountain View Estates Coffee Company Ltd.	400 Steeprock Drive	Cyclone Serving the Coffee Cooling Process (S2-B)
		Green Coffee Bean Loader (S3)
		Dust Collector (S4) - air-to-cloth ratio of 0.76 cm/sec to inside building
		Thermal Oxidizer
		Stack Serving Cooling Cyclones (1)
Timothy's Coffee of the World Inc.	400 Steeprock Drive	Stack Serving Cooling Cyclones (2)
Timothy's Conee of the World Inc.	400 Steepfock Drive	Exhaust Serving Coffee Bean Handling Process
		Exhaust Serving Above Roasters Area
		Comfort Heating
Ladoga Auto Service	1100 Finch Avenue West, Unit 302	Paint Spray Booth
Eddoga / tato Oo! 1100	Troot month trongs troot, one occ	Spray Booth Exhaust
Maaco Auto Painting & Bodyworks	1100 Finch Avenue West, Unit 11A	Spray Booth Drying Chamber Exhaust
		Spray Booth Curing Oven
Alpina Auto	1100 Finch Avenue West Unit 2P	
Alpina Auto	1100 Finch Avenue West, Unit 2B	Paint Spray Booth
Lunal Auto Centre Ltd.	1100 Finch Avenue West, Unit 7	Paint Spray Booth One enclosed, 4 cells, down-flow biofilter
City of Toronto (Dufferin Organics Processing Facility)	35 Vanley Crescent	One Flare to Burn Biogas Originating from Anaerobic Disgestion
		Dual-Fuel Fired Boiler (1)
		Dual-Fuel Fired Boiler (2)
Lamar Auto Centre Ltd.	1100 Finch Avenue West, Unit 206-207	Paint Spray Booth
		Paint Spray Booth (SPB-1-1)
		Paint Spray Booth (SPB-1-2)
		Exhaust Serving Paint Mixing Table (A-1-1)
Tremcar Industries Inc.	20 Alness Street	Dust Collector Serving Sand Blasting Operations (DC-1)
211001 1110001100 1110.		
	20 Amess direct	Exhausts (EF-3-1 to EF-3-20) x 20
	20 Amess Succi	
	20 Alliess Glicet	Exhausts (EF-3-1 to EF-3-20) x 20
	20 Airiess ducci	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1)
Formglas Inc.	2 Champagne Drive	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2)
Formglas Inc.		Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year
,	2 Champagne Drive	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1)
Formglas Inc. Halcyon Waterspring Inc.		Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2)
,	2 Champagne Drive	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3)
Halcyon Waterspring Inc.	2 Champagne Drive 355 Champagne Drive	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4)
Halcyon Waterspring Inc. Ching Auto Collision Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth
Halcyon Waterspring Inc. Ching Auto Collision Inc. Modern Custon Cabinets LTd.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year
Halcyon Waterspring Inc. Ching Auto Collision Inc. Modern Custon Cabinets LTd.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent	Exhausts (EF-3-1 to EF-3-20) x 20  General Exhausts (B-1-1)  General Exhausts (B-1-2)  General Exhausts (B-1-2)  General Exhausts (B-1-3)  EDSM Report, up to 20,500 kg total product per year  Glue Spray Booth (1)  Glue Spray Booth (2)  Glue Spray Booth (3)  Glue Spray Booth (4)  Paint Spray Booth  EDSM Report, up to 500 moulds/year  Exhaust System - Offset Powder Spray System  Paint Spray Booth
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court	Exhausts (EF-3-1 to EF-3-20) x 20  General Exhausts (B-1-1)  General Exhausts (B-1-2)  General Exhausts (B-1-2)  General Exhausts (B-1-3)  EDSM Report, up to 20,500 kg total product per year  Glue Spray Booth (1)  Glue Spray Booth (2)  Glue Spray Booth (3)  Glue Spray Booth (4)  Paint Spray Booth  Paint Spray Booth  EDSM Report, up to 500 moulds/year  Exhaust System - Offset Powder Spray System  Paint Spray Booth  Natural Gas Fired Air Make-Up Unit
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2) Dust Adsorbing Booth (B-3)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court	Exhausts (EF-3-1 to EF-3-20) x 20  General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2) Dust Adsorbing Booth (B-3) Space Heater (H-2) Space Heater (H-5)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.  Jane and 7 Auto Collision Limited	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court  4 Vanley Crescent	Exhausts (EF-3-1 to EF-3-20) x 20 General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2) Dust Adsorbing Booth (B-3) Space Heater (H-5) Space Heater (H-7)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.  Jane and 7 Auto Collision Limited	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court  4 Vanley Crescent	Exhausts (EF-3-1 to EF-3-20) x 20  General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3)  EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Ratural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2) Dust Adsorbing Booth (B-3) Space Heater (H-2) Space Heater (H-7) Space Heater (H-7) Space Heater (H-8)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.  Jane and 7 Auto Collision Limited	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court  4 Vanley Crescent	Exhausts (EF-3-1 to EF-3-20) x 20  General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2) Dust Adsorbing Booth (B-3) Space Heater (H-2) Space Heater (H-5) Space Heater (H-7) Space Heater (H-8) Space Heater (H-9)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.  Jane and 7 Auto Collision Limited	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court  4 Vanley Crescent	Exhausts (EF-3-1 to EF-3-20) x 20  General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3)  EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2) Dust Adsorbing Booth (B-3) Space Heater (H-5) Space Heater (H-5) Space Heater (H-6) Space Heater (H-9) Space Heater (H-9) Space Heater (H-9) Space Heater (H-10)
Halcyon Waterspring Inc.  Ching Auto Collision Inc.  Modern Custon Cabinets LTd.  Aluminum Mould & Pattern Ltd  Albany Packaging Inc.  Jane and 7 Auto Collision Limited	2 Champagne Drive  355 Champagne Drive  375 Champagne Drive  4490 Chesswood Drive, unit 5  15 Vanley Crescent  45 Lepage Court  4 Vanley Crescent	Exhausts (EF-3-1 to EF-3-20) x 20  General Exhausts (B-1-1) General Exhausts (B-1-2) General Exhausts (B-1-2) General Exhausts (B-1-3) EDSM Report, up to 20,500 kg total product per year Glue Spray Booth (1) Glue Spray Booth (2) Glue Spray Booth (3) Glue Spray Booth (4) Paint Spray Booth Paint Spray Booth EDSM Report, up to 500 moulds/year Exhaust System - Offset Powder Spray System Paint Spray Booth Natural Gas Fired Air Make-Up Unit Paint Spray Booth (B-1) Finishing Paint Spray Booth (B-2) Dust Adsorbing Booth (B-3) Space Heater (H-2) Space Heater (H-5) Space Heater (H-7) Space Heater (H-8) Space Heater (H-9)

Facility	Address	Source Information
		Canopy Hood Exhaust Serving 2 Aluminum Furnaces (Ex-1)
		General Wall Exhaust Serving Furnace Room (Ex-2)
		Mixing Exhaust Serving Plastic Mixer (Ex-3)
Pattern Casting Ltd.	1 Vanley Crescent	General Wall Exhaust Serving Mixing Area (Ex-4) General Exhaust Serving the Casting Area (Ex-5)
		Natural Draft Oven Exhaust (Ex-6)
		Natural Draft Oven Exhaust (Ex-7)
		Aluminum/ Zinc Furnaces, unit & water heaters, no stack info
		Exhaust System for Coiling Line 1 (Stack 1)
		Exhaust System for Coiling Line 2 (Stack 2)
	1010 11050 01 1.5 :	Exhaust for Annealing Oven 1 (Stack 3A)
Leggett & Platt Canada Co.	4040 and 4050 Chesswood Drive	Exhaust for Annealing Oven 1 (Stack 3B)
		Exhaust for Annealing Oven 2 (Stack 4A)
		Exhaust for Annealing Oven 2 (Stack 4B)
B.I. Components I td	99A Tuscan Gate	Exhaust Serving the Soldering Reflow/Soldering Process
R.L. Components Ltd	99A Tuscan Gate	Exhaust Serving the Bake Oven
		Stand-by Diesel Generator Set (Stack 1)
Limen Masonry Limited	85 Bakersfield Street	Paint Spray Booth Exhaust (Stack 2)
		Exhaust Serving Welding Operation (Stack 3)
0	400 Ot Danie Oneseant O No. 5 0 0	Exhaust Serving Parts Curing Oven (Source-1)
Gooddeal Coating Inc.	100 St. Regis Crescent S, No. 5 & 6	Exhaust Serving Grinding/Sanding Booth (Source-4) EDSM Report
Heurell British Comment	400 Menden B	Exhaust Serving Printing Press (Stack 1)
Howell Printing Company Ltd.	132 Alexdon Road	Exhaust Serving the Computer to Plate Process (Stack 2)
		Laser Cutting Exhaust System (LS-1)
Delay Manustine In a	92 St. Dawin Congress N	Laser Cutting Exhaust System (LS-2)
Polar Magnetics Inc.	82 St. Regis Crescent N	Paint Spray Booth
		Fugitive Emissions from the Laser Printing, Laminating, and Mounting
Toronto and Region Conservation Authority	5 Shoreham Drive	Stand-by Diesel Generator Set - EDSM
1 Fountainhead Road Inc.	1 Fountainhead Road	Stand-by Diesel Generator Set
470 Sentinel Road Inc.	470 Sentinel Road	Stand-by Diesel Generator Set
Plenary Properties York GP Inc.	134 Ian Macdonald Boulevard	EDSM
Pharmeng Technology Inc	4700 Keele St.	Laboratory Fume Hood
York University (ECA 4)	4700 Keele St.	Paint Spray Booth
		Exhaust for Laboratory Fume Hood (SF-1)
York University (ECA 3)	4700 Keele Street	Exhaust for Laboratory Fume Hood (SF-2)
		Exhaust for Laboratory Fume Hood (SF-3)
York University - York Research Tower	74 York Blvd	
York University - Osgoode Hall Law School	92 Scholars Walk	
		Exhaust System Serving Fume Hood 1
		Exhaust System Serving Fume Hood 2
		Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3
Vada I la basarita. Osiana Dilililian	O.Thomason Book	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4
York University - Science Building	6 Thompson Road	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5
York University - Science Building	6 Thompson Road	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6
York University - Science Building	6 Thompson Road	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7
York University - Science Building	6 Thompson Road	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8
		Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM
		Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1)
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S18-S22) x 5
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Syray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S18-S22) x 5 AC Units (S24-S25) x 2
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 8 523) x 7  AC Units (S18-S22) x 5  AC Units (S24-S25) x 2  AC Units (S24-S25) x 2  AC Units (S26-S31) x 6
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 & S23) x 7  AC Units (S8-S17) x 10  AC Units (S18-S22) x 5  AC Units (S24-S25) x 2  AC Units (S26-S31) x 6  Washer Tank Burner Exhaust (S32-S33) x 2
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 & S23) x 7  AC Units (S8-S17) x 10  AC Units (S18-S22) x 5  AC Units (S26-S31) x 6  Washer Tank Burner Exhaust (S32-S33) x 2  Washer General Exhaust (S34)
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 & S23) x 7  AC Units (S8-S17) x 10  AC Units (S18-S22) x 5  AC Units (S24-S25) x 2  AC Units (S26-S31) x 6  Washer Tank Burner Exhaust (S32-S33) x 2  Washer General Exhaust (S34)  Dry-off Oven Exhaust (S36)
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S8-S7) x 10 AC Units (S8-S22) x 5 AC Units (S24-S25) x 2 AC Units (S26-S31) x 6 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37)
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38)
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 & S23) x 7  AC Units (S8-S17) x 10  AC Units (S18-S22) x 5  AC Units (S24-S25) x 2  AC Units (S26-S31) x 6  Washer Tank Burner Exhaust (S32-S33) x 2  Washer General Exhaust (S34)  Dry-off Oven Exhaust (S37)  Common Exhaust for Manual and Robot Welding (S38)  Spray Booth Exhaust Building 1 (S39)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 & S23) x 7  AC Units (S8-S17) x 10  AC Units (S8-S17) x 10  AC Units (S18-S2) x 5  AC Units (S26-S31) x 6  Washer Tank Burner Exhaust (S32-S33) x 2  Washer General Exhaust (S34)  Dry-off Oven Exhaust (S36)  Cure Oven Exhaust (S37)  Common Exhaust For Manual and Robot Welding (S38)  Spray Booth Exhaust Building 1 (S39)  Casegoods Relocated Dust Collector (S40)
York University - Science Building (ECA 2)	100 Campus Walk Life Science Building	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 & S23) x 7  AC Units (S2-S7 & S23) x 7  AC Units (S18-S22) x 5  AC Units (S18-S22) x 5  AC Units (S26-S31) x 6  Washer Tank Burner Exhaust (S32-S33) x 2  Washer General Exhaust (S34)  Dry-off Oven Exhaust (S35)  Cure Oven Exhaust (S37)  Common Exhaust (S37)  Common Exhaust Funding 1 (S39)  Casegoods Relocated Dust Collector (S40)  Casegoods Relocated Dust Collector (S41)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S8-S7) x 10 AC Units (S8-S2) x 5 AC Units (S8-S2) x 5 AC Units (S24-S25) x 2 AC Units (S26-S31) x 6 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Syray Booth Air Make-Up Unit (S1) AC Units (S2-S7 8 S23) x 7 AC Units (S2-S7 8 S23) x 7 AC Units (S18-S22) x 5 AC Units (S18-S22) x 5 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 AC Units (S26-S31) x 6 Washer Tank Burner Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S40) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S43-S51) x 9
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S18-S22) x 5 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S40) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S43-S51) x 9
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S18-S22) x 5 AC Units (S26-S31) x 6 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S43-S51) x 9 AC Units (S652) AC Units (S53)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S18-S22) x 5 AC Units (S26-S31) x 6 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37) Common Exhaust (S37) Common Exhaust Gustof Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S52) AC Units (S53) Washer Tank Burner (S54)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S18-S22) x 5 AC Units (S2-S25) x 2 AC Units (S2-S25) x 2 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S43-S51) x 9 AC Units (S43-S51) x 9 AC Units (S53) Washer Tank Burner (S54) Washer General Exhaust (S55)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Syray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S28-S17) x 10 AC Units (S24-S25) x 2 Washer Tank Burner Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37) Common Exhaust For Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S40) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S23) Washer Tank Burner (S54) Washer Tank Burner (S55) Dry-off Oven (S57)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S18-S22) x 5 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S40) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S43-S51) x 9 AC Units (S43-S51) x 9 AC Units (S43-S51) x 9 AC Units (S45) Uny-off Oven (S57) Cure Oven (S58)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2  Exhaust System Serving Fume Hood 3  Exhaust System Serving Fume Hood 4  Exhaust System Serving Fume Hood 5  Exhaust System Serving Fume Hood 6  Exhaust System Serving Fume Hood 7  Exhaust System Serving Fume Hood 8  Exhaust System Serving Fume Hood 9  EDSM  Paint Spray Booth  Air Make-Up Unit (S1)  AC Units (S2-S7 & S23) x 7  AC Units (S8-S17) x 10  AC Units (S18-S21) x 5  AC Units (S26-S31) x 6  Washer Tank Burner Exhaust (S32-S33) x 2  Washer General Exhaust (S34)  Dry-off Oven Exhaust (S36)  Cure Oven Exhaust Gystem And System Serving Fume Hood Welding (S38)  Spray Booth Exhaust Building 1 (S39)  Casegoods Relocated Dust Collector (S41)  Air Make-Up Unit (S42)  AC Units (S43-S51) x 9  AC Units (S43-S51) x 9  AC Units (S58)  Washer Tank Burner Exhaust Solloctor (S41)  Air Make-Up Unit (S42)  AC Units (S43-S51) x 9  AC Units (S53)  Washer Tank Burner (S54)  Washer General Exhaust (S55)  Dry-off Oven (S57)  Cure Oven (S58)  Welding Station Exhaust (S59)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S8-S17) x 10 AC Units (S18-S22) x 5 AC Units (S26-S31) x 6 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S36) Cure Oven Exhaust (S37) Common Exhaust Gyand Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S42-S51) x 9 AC Units (S43-S51) x 9 AC Units (S53) Washer Tank Burner (S54) Washer General Exhaust (S55) Dry-off Oven (S57) Cure Oven (S57) Cure Oven (S58) Welding Station Exhaust (S59) Spray Booth Exhausts (S60-S65) x 5
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S18-S22) x 5 AC Units (S2-S25) x 2 AC Units (S2-S25) x 2 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S23-S51) x 9 AC Units (S23-S51) x 9 AC Units (S53) Washer Tank Burner (S54) Washer General Exhaust (S55) Dry-off Oven (S57) Cure Oven (S58) Welding Station Exhaust (S59) Spray Booth Exhaust (S59) Spray Booth Exhaust (S55) Spray Booth Exhaust (S60-S65) x 5 Gas-Fired Radiant Heaters (RH1-RH52 & RH53-RH95) x 95
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Syray Booth Air Make-Up Unit (S1) AC Units (S2-S7 8 S23) x 7 AC Units (S2-S7 8 S23) x 7 AC Units (S18-S22) x 5 AC Units (S24-S25) x 2 AC Units (S24-S25) x 2 AC Units (S26-S31) x 6 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S40) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S52) AC Units (S52) AC Units (S53) Washer Tank Burner (S54) Washer Tank Burner (S54) Washer Tank Burner (S54) Washer Tank Burner (S55) Dry-off Oven (S57) Cure Oven (S58) Welding Station Exhaust (S69-S65) x 5 Gas-Fired Radiant Heaters (RH1-RH52 & RH53-RH95) x 95 Gas-Fired Radiant Heaters (RH96 & RH97)
York University - Science Building (ECA 2) Tuscan Woodworks Inc.	100 Campus Walk Life Science Building 4801 Keele Street	Exhaust System Serving Fume Hood 2 Exhaust System Serving Fume Hood 3 Exhaust System Serving Fume Hood 4 Exhaust System Serving Fume Hood 5 Exhaust System Serving Fume Hood 6 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 7 Exhaust System Serving Fume Hood 8 Exhaust System Serving Fume Hood 9 EDSM Paint Spray Booth Air Make-Up Unit (S1) AC Units (S2-S7 & S23) x 7 AC Units (S2-S7 & S23) x 7 AC Units (S18-S22) x 5 AC Units (S2-S25) x 2 AC Units (S2-S25) x 2 Washer Tank Burner Exhaust (S32-S33) x 2 Washer General Exhaust (S34) Dry-off Oven Exhaust (S37) Common Exhaust for Manual and Robot Welding (S38) Spray Booth Exhaust Building 1 (S39) Casegoods Relocated Dust Collector (S41) Air Make-Up Unit (S42) AC Units (S23-S51) x 9 AC Units (S23-S51) x 9 AC Units (S53) Washer Tank Burner (S54) Washer General Exhaust (S55) Dry-off Oven (S57) Cure Oven (S58) Welding Station Exhaust (S59) Spray Booth Exhaust (S59) Spray Booth Exhaust (S55) Spray Booth Exhaust (S60-S65) x 5 Gas-Fired Radiant Heaters (RH1-RH52 & RH53-RH95) x 95

Appendix D - Summary of Facilities with an E		
Facility	Address	Source Information
		Stack Serving Welding Station 1
		Stack Serving Welding Station 2
		Stack Serving Welding Station 3
		Exhaust Serving Phosphate Washing Station 1 (1)
City Metal Manufacturing Inc	565 Canarctic Drive	Exhaust Serving Phosphate Washing Station 1 (2)
		Exhaust Serving Phosphate Washing Station 2
		Stack Serving Natural Gas Fired Washer Oven
		Stack Serving Natural Gas Fired Drying Oven
		Stack Serving Natural Gas Fired Curing Oven
Teknion Limited	1150 Flint Road	EDSM Report, limit of 12,000 panels per day
		Unit Heater (UH1-UH6) x 6
		Radiant Heater (RH1)
		Radiant Heater (RH2)
		Oven Exhaust (EF10)
		Sanding Booth (EF2)
		Tone Booth (EF3)
Talmian Oat Oaslinn	4005 Flint Dead	Stain Booth (EF4)
Teknion Soft Sealing	1625 Flint Road	Seal Coat Booth (EF5)
		Top Coat Booth (EF6)
		Clean Air Topcoat Booth (EF7)
		Foam Adhesive Booth (EF11)
		Foam Adhesive Booth (EF12)
		Foam Adhesive Booth (EF13) Seating Model Shop Exhaust (EF1)
		General Flash Off Exhaust (EF1)
Global Upholstery Co. Inc.	900 Flint Road	EDSM Report
Univar Canada Ltd	777 Supertest Road	EDSM Report, Limit up to 1,672 million litres of chemicals shipped/yr
Toronto Public Library	120 Martin Ross Avenue	Stand-by Diesel Generator, rating of 300 kW
		Exhaust Serving Print Drying Oven (Stack 3)
		Packed Bed Scrubber (Stack 4)
		Packed Bed Scrubber (Stack 5)
		Baghouse Dust Collector (Stack 6)
		Natural Gas Fired Hot Water Boiler (Stack 7)
		Exhaust Fan Serving Multi-Layer Lamination Process (Stack 8)
		Exhaust Fan Serving Solder Oven Process (Stack 9A)
Candor Industries Inc	125 Martin Ross Avenue, No. 4-9	Exhaust Fan Serving Solder Oven Process (Stack 9B)
		Exhaust Fan Serving Developer Process (Stack 10)
		Baghouse Dust Collector (Stack 11)
		Packed Bed Scrubber (Stack 12)
		Exhaust Serving Waste Water Treatment Area (Stack 15)
		Exhaust Serving Automatic Coating Line Curing Ovens (Stack 16)
		Exhaust Serving Manual Coating Line/Copper Line Curing Oven (Stack 17)
Filis Fire Oakin store by	405 Martin Dana Assessed No. 40	General Exhaust Serving Metal Lines (Stack 18)
Ellis Fine Cabinetry Inc	125 Martin Ross Avenue, No. 10	Paint Spray Booth
		Stack Serving Dust Collection, Drilling, Scoring Etc (E1)
		Stack Serving a Plate Through Holes Process Line (E2) Stack Serving Laminator, Ammonia Developer & Dry Film (E3)
		Stack Serving Copper & Tin Electroplating (E4)
		Stack Serving Copper & Fin Electroplating (E4)  Stack Serving Etching Development and Electric Drying (E5)
		Stack Serving Etching (E6)
		Stack Serving Tin Stripping Bath (E8)
		Stack Serving Pre-Solder Masking Chemical Cleaning Bath (E9)
		Stack Serving Solder Masking Machines (E10)
		Stack Serving Wash Booths (E11a)
		Stack Serving Wash Booths (E11b)
		Stack Serving Electric Curing & Drying Ovens (E12)
Crimp Circuits Inc	675 Petrolia Road	Stack Serving Electric Curing & Drying Ovens (E13)
Simp Should his	5.57 Grond Road	Stack Serving Electric Curing & Drying Ovens (E14)
		Stack Serving Chemical Bath (E15)
		Stack Serving Electric Bake Oven (E16)
		Stack Serving Acidic Cleaning Spray Area (E17)
		Stack Serving Hot Air Levelling for tin/lead Soldering (E18)
		Stack Serving UV Light Curing Oven (E19)
		Stack Serving Oxide Line Chemical Bath (E20)
		Stack Serving Dark Room Film Unit (E21)
		Stack Serving Circuit Board Press (E22) Stack Serving Carbon Treatment Tank (E24)
		Stack Serving Carbon Treatment Tank (E24) Stack Serving Wastewater Treatment Tank (E25)
		Stack Serving Wastewater Treatment Tank (E25) Stack Serving Bath of Nickel-Gold Plating (E26)
		Stack Serving Bath of Nickel-Gold Plating (E26)  Stack Serving Air Scrubber for Plasma Unit (E28)
		Paint Spray Booth (Booth A)
New Image Kitchens Inc	85 Wildcat Road	Paint Spray Booth (Booth A)  Paint Spray Booth (Booth B)
	23	Paint Spray Booth (Booth C)
		Natural Gas Fired Dry Off Oven (Paintronik Stack)
Inter-Spray Enterprises Ltd	557 Canarctic Drive	Natural Gas Fired Curing Oven (RIXX Stack)
	22. 2231000 21110	Natural Gas Fired Curing Oven (RF Mote Stack)

Appendix D - Summary of Facilities with an E	CA	
Facility	Address	Source Information
Talfourd - Jones Inc	390 Canarctic Drive	Stack Serving Polyurethane Moulding Machine
Driangle Inc	60 Wildcat Road	EDSM Report, Gas Fired Dehumidifier
Global Wood Custom Manufacturing	72 & 74 Wildcat Road	Baghouse Dust Collector
		Stack Serving GMP Manufacturing Lab (Stack 1)
		Stack Serving Hydrogenation Room (Stack 5)
		Stack Serving Hydrogenation Room Fume Hood (Stack 6)
		Stack Serving Analytical Lab (Stack 2)
Deltan Chamical Laboratorias Inc	240 255 Wildoot Dood	Stack Serving Synthetic Lab 1 (Stack 4)
Dalton Chemical Laboratories Inc	349 - 355 Wildcat Road	Stack Serving Synthetic Lab 2 (Stack 3)
		Stack Serving Solvent Storage Room (Stack 7)
		Stack Serving Solvent Storage Room (Stack 9)
		Stack Serving Column Prep Room (Stack 10)
		Stack Serving Column Prep GMP Room (Stack 12)
		Stack Serving Laboratory 1 Fume Hoods (EF1)
		Stack Serving Laboratory 1 Fullie Hoods (EF1)  Stack Serving Laboratory 2 Fume Hoods (EF2)
		Stack Serving Laboratory 3 Fume Hoods (EF3)
		Stack Serving Laboratory 4 Fume Hoods (EF4)
Dalton Chemical Laboratories Inc	349 Wildcat Road	Stack Serving Laboratory 4 Fume Hoods (EF24)
		Stack Serving Manufacturing Room 3 (EF9)
		Stack Serving Manufacturing Room 3 (EF10)
		Cyclone Dust Collector (EF26)
		Fluid Bed Dryer Exhaust (EF28)
		EDSM Report for Rest
		Exhaust Serving Bag Cutting and Sealing Process
		Exhaust Serving Printing Press
Alros Products Limited	350 Wildcat Road	Exhaust Serving Forklift Battery Charging Station
		Plastic Extrusion Lines x 12
		Corona Treatment Systems x 7
Adhesive Tape Printers Inc	707 Petrolia Road	Exhaust (EX1) Serving 3 Printing Presses
·		Heat Cleaning Oven (Stack A)
		Prewash Steam Exhaust (Stack B)
		Paint Dryer (Stack C)
The Nystrom Group	75 Wildcat Road	Prewash Heater (Stack D)
, ,		Prewash Heater (Stack E)
		Wash Dryer (Stack F)
		Heating and Air Conditioning Unit (Stack HAC)
		Hood and Oil Mist Mesh Screen Separator (Stack EX-3)
		Natural Gas Burners (Stack EX-4)
		Electrically Heated Laboratory Oven (Stack EX-1)
lanca Familia Familia I tal	404 Occupantia Daire	Exhaust Serving Carbon Dioxide Refrigeration System (Stack EX-8)
Janes Family Foods Ltd	401 Canarctic Drive	Exhaust Serving Maintenance Welding Operations (Stack EX-2)
		Natural Gas Fired Boiler (EX-9)
		Natural Gas Fired Unit Heaters (Stack UH-2, UH-4, UH-6, UH-7)
		Natural Gas Fired Make-up Air Unit (MAU-1)
		Natural Gas Fired Make-up Air Unit (MAU-2)
		Planting Line Exhaust Stack 1
Arts Metal Finish Ltd	555 Canarctic Drive	Planting Line Exhaust Stack 2
/ to motal i illoli Ltu	ooo oanarono brivo	Planting Line Exhaust Stack 3
		Planting Line Exhaust Stack 4
Custom Rapid Solutions Inc.	377 Canarctic Drive	ESDM Report, Up to 2,100,000 Circuit Boards per year
		Stack Serving 2 Welding Stations (WSEF5)
		Stack Serving 5 Welding Stations (WSEF6)
Ctamert-1:	EEE Datable Deed	Stacks Serving 8 Natural Gas Fired Radiant Heaters (RH-15 - RH-22) x 8
Stamptek	555 Petrolia Road	Stacks Serving 21 Natural Gas Fired Unit Heaters (UH-1 - UH-21) x 21
		Stacks Serving 7 Natural Gas Fired HVAC Units (AC-1 - AC-7) x 7
		Natural Gas Fired Air Make-Up Unit
Estee Lauder Cosmetics Ltd.	550 Petrolia Road	ESDM Report
Teknion Limited (575 Canarctic Dr)	575 Canarctic Drive	Paint Spray Booth
Teknion Limited (575 Canarctic Dr)  Teknion Limited (570 Petrolia)	575 Canarctic Drive 570 Petrolia Rd	ESDM Report, Up To 15,552 Soft Seating Chairs, Up to 285,720 task seating/yr
, ,		ESDM Report, Up to 325,000 parts/year
Teknion Limited (607 Canarctic Dr.)	607 Canarctic Drive	1 1 1 2
Apollo Health and Beauty Care	1 Apollo Place	ESDM Report, Up to 148,000 tonnes of health and beauty products/year

E EMISSION ESTIMATES

### Appendix E - Emission Rates



Table E1: Emission Rates of Existing Conditions 2018

		Auto			Truck			Bus			
Pollutant Names	Idle (g/v-hr)	Speed 50km/hr (g/VMT)	Speed 60km/hr (g/VMT)	Idle (g/v-hr)	Speed 50km/hr (g/VMT)	Speed 60km/hr (g/VMT)	Idle (g/v-hr)	Speed 50km/hr (g/VMT)	Speed 60km/hr (g/VMT)		
Total PM10	0.497332	0.065631	0.053445	2.205892	0.341315	0.271192	2.548587	0.361843	0.322446		
Total PM2.5	0.137752	0.019600	0.017215	1.039158	0.155573	0.132526	1.204270	0.162170	0.156384		
Oxides of Nitrogen (NOx)	1.941018	0.279369	0.261489	28.555565	3.578333	3.379064	69.412375	6.530690	6.201430		
Carbon Monoxide (CO)	12.016344	2.743205	2.500907	12.151484	2.064957	1.610403	53.636375	11.032000	10.935500		
Acrolein	0.001519	0.000159	0.000146	0.020664	0.001505	0.001748	0.040050	0.002993	0.002640		
Benzene	0.008019	0.001208	0.001097	0.024918	0.002388	0.002106	0.149348	0.020970	0.018182		
1,3-Butadiene	0.001551	0.000179	0.000162	0.007530	0.000603	0.000642	0.016164	0.001500	0.001344		
Acetaldehyde	0.010004	0.001092	0.000996	0.117785	0.008695	0.009944	0.324981	0.045519	0.039679		
Formaldehyde	0.021001	0.002257	0.002067	0.287492	0.021108	0.024192	1.807638	0.252770	0.232256		
Benzo(a)pyrene	2.70E-05	4.79E-06	4.40E-06	1.35E-04	9.49E-06	8.07E-06	1.42E-04	3.41E-05	2.93E-05		

Table E2: Emission Rates of Future Conditions 2045

Pollutant Names	Auto			Truck			Bus		
	Idle (g/v-hr)	Speed 50km/hr (g/VMT)	Speed 60km/hr (g/VMT)	Idle (g/v-hr)	Speed 50km/hr (g/VMT)	Speed 60km/hr (g/VMT)	ldle (g/v-hr)	Speed 50km/hr (g/VMT)	Speed 60km/hr (g/VMT)
Total PM10	0.425550	0.055074	0.043692	1.348874	0.200833	0.159731	1.579082	0.234443	0.195420
Total PM2.5	0.068627	0.009240	0.007648	0.256188	0.036777	0.030614	0.297364	0.041471	0.036448
Oxides of Nitrogen (NOx)	0.220197	0.031106	0.029573	7.179611	0.906683	0.827818	11.221625	1.086900	1.014790
Carbon Monoxide (CO)	2.523729	0.715690	0.666963	3.266587	0.514609	0.432837	2.937238	0.261802	0.244124
Acrolein	0.000242	0.000025	0.000023	0.005127	0.000382	0.000411	0.005691	0.000423	0.000373
Benzene	0.000793	0.000157	0.000146	0.006614	0.000542	0.000530	0.007341	0.000545	0.000481
1,3-Butadiene	1.89E-05	1.83E-06	1.68E-06	4.10E-04	3.05E-05	3.28E-05	4.55E-04	3.38E-05	2.99E-05
Acetaldehyde	0.001687	0.000177	0.000163	0.035529	0.002649	0.002845	0.039437	0.002929	0.002586
Formaldehyde	0.005247	0.000538	0.000495	0.111456	0.008303	0.008927	0.123716	0.009188	0.008113
Benzo(a)pyrene	5.00E-06	9.34E-07	8.74E-07	2.30E-07	4.40E-07	2.68E-08	2.63E-07	3.09E-08	3.07E-08

F ASSUMPTIONS

### Stationary Air Quality Assumptions:

- NPRI and ChemTRAC data are provided as an annual emission value. For sites with NPRI and/or ChemTRAC data the following rules were used: for sources of NO<sub>X</sub> (*i.e.*, comfort heating equipment, boilers, etc.) emissions were assumed to be occurring 24 hours/day, 365 days/year, for all other sources (*i.e.*, VOCs, metals, etc.) attributed to facility operations emissions were assumed to be occurring for one eight hour shift, five days per week, 52 weeks per year;
- For facilities with ECA data, US EPA AP-42 emission factors and MOECC guidance values were used to
  estimate potential emissions from common industrial sources (e.g., emergency generators, dust collectors,
  welding, etc.);
- For facilities without publicly available air emission data, emissions from a similar facility (e.g., Auto Body shops assumed to have similar emissions to any with regulatory approvals) were averaged and weighted, according to physical facility size, to estimate the expected emissions from the sites;
- Emissions of NO<sub>X</sub>, lead, iron, cobalt, nickel, manganese, chromium, hexavalent chromium, PM, toluene, formaldehyde, benzene, dichloromethane, chloroform, vinyl chloride, trichlorofluoroethane, petroleum, and perchloroethylene were estimated where information was available. Where facilities did not have contaminant specific data, and the nature of the facility operations was known, total metals and total VOCs were estimated where applicable (*e.g.*, car part manufacturer emits metals; plastic manufacturer emits VOCs);
- Since it is not possible to predict the individual increase or decrease in facility production, and the introduction of new contaminant emissions or the removal of contaminant emissions from individual facilities into the future, the emission estimates based on existing information in 2018 are being used in the Future Condition (2045) assessment. Changes in air emissions can vary greatly due to many factors such as: the economy, future zoning changes in the industrial lots, improvement in equipment technologies, government grants, and the supply vs. demand trends per sector. A status quo on air emissions was assumed due to the study area being identified for future development related to a transportation hub; and,