Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.2*** **TPM (24-hr) - With Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of TPM (24-hr) - With Blasts Total			Concentration of TPM (24-hr) - With Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse ($\mu g/m^3$)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration ($\mu g/m^3$)	DSO3 / DSO4 concentration ($\mu g/m^3$)	Howse concentration ($\mu g/m^3$)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	120	41.5	35%	40	0.8	1.0	96.3%	1.9%	2.3%
R28	Innu Cabin 6	634.26 , 6080.91	120	41.3	34%	40	0.7	0.8	96.8%	1.7%	2.0%
R29	Innu Cabin 7	634.86 , 6080.71	120	41.3	34%	40	0.7	0.8	96.8%	1.7%	2.0%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	120	41.5	35%	40	0.9	0.6	96.4%	2.3%	1.6%
R31	Innu Cabin 8	633.13 , 6080.34	120	42.3	35%	40	1.5	1.0	94.5%	3.5%	2.3%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	120	41.0	34%	40	0.7	0.5	97.6%	1.8%	1.3%
R36	Kawawachikamak (Town)	643.50 , 6082.13	120	40.3	34%	40	0.2	0.2	99.2%	0.4%	0.5%
R37	Lac John (Town)	642.39 , 6076.24	120	40.6	34%	40	0.4	0.3	98.5%	0.9%	0.8%
R38	Matimekush (Town)	640.80 , 6075.60	120	40.9	34%	40	0.5	0.4	97.7%	1.3%	1.0%
R39	Schefferville (Town)	640.60 , 6075.00	120	41.2	34%	40	0.6	0.6	97.2%	1.4%	1.4%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.3*** **PM10 (24-hr) - With Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of PM10 (24-hr) - With Blasts Total			Concentration of PM10 (24-hr) - With Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse ($\mu g/m^3$)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration ($\mu g/m^3$)	DSO3 / DSO4 concentration ($\mu g/m^3$)	Howse concentration ($\mu g/m^3$)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	50	21.1	42%	20	0.6	0.7	94.6%	3.1%	3.3%
R28	Innu Cabin 6	634.26 , 6080.91	50	21.1	42%	20	0.6	0.6	94.7%	2.8%	2.9%
R29	Innu Cabin 7	634.86 , 6080.71	50	21.1	42%	20	0.6	0.6	94.9%	2.7%	2.7%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	50	21.3	43%	20	0.8	0.5	94.1%	3.6%	2.5%
R31	Innu Cabin 8	633.13 , 6080.34	50	21.9	44%	20	1.3	0.8	91.2%	6.0%	3.8%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	50	20.7	41%	20	0.6	0.5	96.8%	2.8%	2.6%
R36	Kawawachikamak (Town)	643.50 , 6082.13	50	20.2	40%	20	0.1	0.2	98.9%	0.6%	0.9%
R37	Lac John (Town)	642.39 , 6076.24	50	20.4	41%	20	0.2	0.2	98.1%	1.2%	1.0%
R38	Matimekush (Town)	640.80 , 6075.60	50	20.6	41%	20	0.3	0.3	97.1%	1.6%	1.4%
R39	Schefferville (Town)	640.60 , 6075.00	50	20.7	41%	20	0.4	0.4	96.4%	1.8%	1.9%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.4*** **PM2.5 (24-hr) - With Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of PM2.5 (24-hr) - With Blasts Total			Concentration of PM2.5 (24-hr) - With Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse ($\mu g/m^3$)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration ($\mu g/m^3$)	DSO3 / DSO4 concentration ($\mu g/m^3$)	Howse concentration ($\mu g/m^3$)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	25	15.2	61%	15	0.17	0.11	98.6%	1.1%	0.7%
R28	Innu Cabin 6	634.26 , 6080.91	25	15.2	61%	15	0.14	0.10	98.7%	0.9%	0.6%
R29	Innu Cabin 7	634.86 , 6080.71	25	15.2	61%	15	0.14	0.10	98.7%	0.9%	0.7%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	25	15.2	61%	15	0.15	0.09	98.6%	1.0%	0.6%
R31	Innu Cabin 8	633.13 , 6080.34	25	15.3	61%	15	0.22	0.11	98.3%	1.4%	0.7%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	25	15.2	61%	15	0.19	0.07	98.7%	1.3%	0.4%
R36	Kawawachikamak (Town)	643.50 , 6082.13	25	15.1	60%	15	0.07	0.03	99.4%	0.5%	0.2%
R37	Lac John (Town)	642.39 , 6076.24	25	15.1	61%	15	0.12	0.05	99.1%	0.8%	0.4%
R38	Matimekush (Town)	640.80 , 6075.60	25	15.2	61%	15	0.17	0.05	98.9%	1.1%	0.3%
R39	Schefferville (Town)	640.60 , 6075.00	25	15.2	61%	15	0.17	0.08	98.8%	1.1%	0.5%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.5*** **NO2 (24-hr) - With Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of NO2 (24-hr) - With Blasts Total			Concentration of NO2 (24-hr) - With Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	200	35.5	18%	30	4.5	2.4	84.5%	12.8%	6.9%
R28	Innu Cabin 6	634.26 , 6080.91	200	34.8	17%	30	3.6	2.1	86.3%	10.3%	6.0%
R29	Innu Cabin 7	634.86 , 6080.71	200	34.5	17%	30	3.4	2.0	87.1%	10.0%	5.7%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	200	34.9	17%	30	4.1	1.9	85.9%	11.8%	5.3%
R31	Innu Cabin 8	633.13 , 6080.34	200	37.4	19%	30	5.7	2.9	80.2%	15.1%	7.7%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	200	34.8	17%	30	4.8	1.9	86.3%	13.7%	5.5%
R36	Kawawachikamak (Town)	643.50 , 6082.13	200	32.1	16%	30	1.8	0.7	93.4%	5.6%	2.1%
R37	Lac John (Town)	642.39 , 6076.24	200	33.4	17%	30	3.1	0.8	89.9%	9.4%	2.2%
R38	Matimekush (Town)	640.80 , 6075.60	200	34.5	17%	30	4.3	1.1	87.0%	12.6%	3.1%
R39	Schefferville (Town)	640.60 , 6075.00	200	34.7	17%	30	4.6	1.2	86.5%	13.2%	3.3%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.6*** **SO2 (1-hr) - With Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of SO2 (1-hr) - With Blasts Total			Concentration of SO2 (1-hr) - With Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	900	29.9	3%	24	5.5	4.7	80.4%	18.4%	15.7%
R28	Innu Cabin 6	634.26 , 6080.91	900	29.5	3%	24	5.2	4.1	81.2%	17.6%	14.0%
R29	Innu Cabin 7	634.86 , 6080.71	900	28.9	3%	24	4.5	3.8	83.2%	15.6%	13.1%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	900	30.7	3%	24	6.4	4.4	78.1%	20.8%	14.5%
R31	Innu Cabin 8	633.13 , 6080.34	900	33.9	4%	24	9.5	6.8	70.9%	28.1%	20.1%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	900	28.8	3%	24	4.4	3.6	83.5%	15.3%	12.5%
R36	Kawawachikamak (Town)	643.50 , 6082.13	900	25.5	3%	24	1.0	1.2	94.0%	4.0%	4.6%
R37	Lac John (Town)	642.39 , 6076.24	900	26.0	3%	24	1.2	1.6	92.4%	4.6%	6.2%
R38	Matimekush (Town)	640.80 , 6075.60	900	26.5	3%	24	2.1	2.1	90.6%	7.9%	8.1%
R39	Schefferville (Town)	640.60 , 6075.00	900	26.9	3%	24	2.6	2.5	89.1%	9.6%	9.2%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.7*** **NO2 (1-hr) - With Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of NO2 (1-hr) - With Blasts Total			Concentration of NO2 (1-hr) - With Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	400	96.0	24%	50	45.5	37.7	52.1%	47.4%	39.2%
R28	Innu Cabin 6	634.26 , 6080.91	400	94.0	23%	50	43.6	33.3	53.2%	46.4%	35.4%
R29	Innu Cabin 7	634.86 , 6080.71	400	88.7	22%	50	38.4	30.3	56.4%	43.2%	34.2%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	400	98.4	25%	50	48.1	35.8	50.8%	48.9%	36.3%
R31	Innu Cabin 8	633.13 , 6080.34	400	122.5	31%	50	72.1	54.7	40.8%	58.8%	44.6%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	400	84.1	21%	50	34.1	28.9	59.5%	40.5%	34.4%
R36	Kawawachikamak (Town)	643.50 , 6082.13	400	60.4	15%	50	10.4	9.6	82.8%	17.2%	15.9%
R37	Lac John (Town)	642.39 , 6076.24	400	65.8	16%	50	10.0	13.2	75.9%	15.1%	20.0%
R38	Matimekush (Town)	640.80 , 6075.60	400	73.0	18%	50	18.2	17.5	68.5%	25.0%	23.9%
R39	Schefferville (Town)	640.60 , 6075.00	400	74.3	19%	50	22.0	20.0	67.3%	29.7%	26.9%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.8*** **CO (1-hr) - With Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of CO (1-hr) - With Blasts Total			Concentration of CO (1-hr) - With Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse ($\mu g/m^3$)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration ($\mu g/m^3$)	DSO3 / DSO4 concentration ($\mu g/m^3$)	Howse concentration ($\mu g/m^3$)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	34000	833.8	2%	600	208.3	232.6	72.0%	25.0%	27.9%
R28	Innu Cabin 6	634.26 , 6080.91	34000	802.6	2%	600	197.4	201.3	74.8%	24.6%	25.1%
R29	Innu Cabin 7	634.86 , 6080.71	34000	779.1	2%	600	171.0	177.7	77.0%	21.9%	22.8%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	34000	842.4	2%	600	242.2	203.7	71.2%	28.7%	24.2%
R31	Innu Cabin 8	633.13 , 6080.34	34000	1006.5	3%	600	405.9	267.2	59.6%	40.3%	26.5%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	34000	766.0	2%	600	166.0	136.9	78.3%	21.7%	17.9%
R36	Kawawachikamak (Town)	643.50 , 6082.13	34000	654.9	2%	600	38.0	54.5	91.6%	5.8%	8.3%
R37	Lac John (Town)	642.39 , 6076.24	34000	677.0	2%	600	76.8	70.1	88.6%	11.3%	10.4%
R38	Matimekush (Town)	640.80 , 6075.60	34000	701.4	2%	600	101.2	85.1	85.5%	14.4%	12.1%
R39	Schefferville (Town)	640.60 , 6075.00	34000	713.0	2%	600	112.8	94.6	84.2%	15.8%	13.3%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.9*** **TPM (24-hr) - No Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of TPM (24-hr) - No Blasts Total			Concentration of TPM (24-hr) - No Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	120	41.5	35%	40	0.6	0.9	96.4%	1.3%	2.3%
R28	Innu Cabin 6	634.26 , 6080.91	120	41.3	34%	40	0.5	0.8	96.9%	1.2%	1.9%
R29	Innu Cabin 7	634.86 , 6080.71	120	41.3	34%	40	0.5	0.8	96.9%	1.2%	1.9%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	120	41.1	34%	40	0.6	0.6	97.4%	1.4%	1.5%
R31	Innu Cabin 8	633.13 , 6080.34	120	41.3	34%	40	0.7	0.8	96.8%	1.8%	1.9%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	120	40.9	34%	40	0.4	0.5	97.8%	1.1%	1.2%
R36	Kawawachikamak (Town)	643.50 , 6082.13	120	40.3	34%	40	0.2	0.2	99.2%	0.4%	0.5%
R37	Lac John (Town)	642.39 , 6076.24	120	40.6	34%	40	0.3	0.3	98.6%	0.8%	0.7%
R38	Matimekush (Town)	640.80 , 6075.60	120	40.9	34%	40	0.5	0.4	97.9%	1.2%	1.0%
R39	Schefferville (Town)	640.60 , 6075.00	120	41.1	34%	40	0.5	0.6	97.3%	1.3%	1.4%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.10*** **PM10 (24-hr) - No Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of PM10 (24-hr) - No Blasts Total			Concentration of PM10 (24-hr) - No Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	50	20.9	42%	20	0.3	0.6	95.8%	1.5%	2.6%
R28	Innu Cabin 6	634.26 , 6080.91	50	20.8	42%	20	0.3	0.5	96.3%	1.4%	2.2%
R29	Innu Cabin 7	634.86 , 6080.71	50	20.8	42%	20	0.3	0.5	96.4%	1.4%	2.2%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	50	20.6	41%	20	0.3	0.4	96.9%	1.6%	1.7%
R31	Innu Cabin 8	633.13 , 6080.34	50	20.9	42%	20	0.4	0.5	95.9%	2.0%	2.3%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	50	20.5	41%	20	0.2	0.3	97.5%	1.1%	1.4%
R36	Kawawachikamak (Town)	643.50 , 6082.13	50	20.2	40%	20	0.1	0.1	99.0%	0.5%	0.6%
R37	Lac John (Town)	642.39 , 6076.24	50	20.4	41%	20	0.2	0.2	98.3%	1.0%	0.9%
R38	Matimekush (Town)	640.80 , 6075.60	50	20.6	41%	20	0.3	0.3	97.3%	1.4%	1.2%
R39	Schefferville (Town)	640.60 , 6075.00	50	20.7	41%	20	0.3	0.4	96.6%	1.6%	1.8%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.11*** **PM2.5 (24-hr) - No Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of PM2.5 (24-hr) - No Blasts Total			Concentration of PM2.5 (24-hr) - No Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	25	15.2	61%	15	0.17	0.11	98.6%	1.1%	0.7%
R28	Innu Cabin 6	634.26 , 6080.91	25	15.2	61%	15	0.14	0.10	98.7%	0.9%	0.6%
R29	Innu Cabin 7	634.86 , 6080.71	25	15.2	61%	15	0.14	0.10	98.7%	0.9%	0.6%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	25	15.2	61%	15	0.15	0.09	98.7%	1.0%	0.6%
R31	Innu Cabin 8	633.13 , 6080.34	25	15.3	61%	15	0.21	0.11	98.3%	1.4%	0.7%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	25	15.2	61%	15	0.19	0.07	98.7%	1.3%	0.4%
R36	Kawawachikamak (Town)	643.50 , 6082.13	25	15.1	60%	15	0.07	0.03	99.5%	0.5%	0.2%
R37	Lac John (Town)	642.39 , 6076.24	25	15.1	61%	15	0.12	0.05	99.2%	0.8%	0.4%
R38	Matimekush (Town)	640.80 , 6075.60	25	15.2	61%	15	0.17	0.05	98.9%	1.1%	0.3%
R39	Schefferville (Town)	640.60 , 6075.00	25	15.2	61%	15	0.17	0.08	98.8%	1.1%	0.5%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.12*** **NO2 (24-hr) - No Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of NO2 (24-hr) - No Blasts Total			Concentration of NO2 (24-hr) - No Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	200	35.2	18%	30	4.4	1.3	85.3%	12.6%	3.7%
R28	Innu Cabin 6	634.26 , 6080.91	200	34.4	17%	30	3.4	1.1	87.1%	9.7%	3.1%
R29	Innu Cabin 7	634.86 , 6080.71	200	34.2	17%	30	3.4	1.1	87.6%	10.0%	3.1%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	200	33.9	17%	30	3.9	1.1	88.4%	11.5%	3.1%
R31	Innu Cabin 8	633.13 , 6080.34	200	35.7	18%	30	5.5	1.3	84.1%	15.5%	3.5%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	200	34.8	17%	30	4.8	0.9	86.3%	13.7%	2.6%
R36	Kawawachikamak (Town)	643.50 , 6082.13	200	32.1	16%	30	1.8	0.4	93.5%	5.6%	1.3%
R37	Lac John (Town)	642.39 , 6076.24	200	33.2	17%	30	3.1	0.6	90.3%	9.2%	1.8%
R38	Matimekush (Town)	640.80 , 6075.60	200	34.4	17%	30	4.3	0.7	87.2%	12.4%	1.9%
R39	Schefferville (Town)	640.60 , 6075.00	200	34.6	17%	30	4.5	0.9	86.6%	13.1%	2.5%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.13*** **SO2 (1-hr) - No Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of SO2 (1-hr) - No Blasts Total			Concentration of SO2 (1-hr) - No Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	900	24.4	3%	24	0.0	0.0	98.3%	0.1%	0.1%
R28	Innu Cabin 6	634.26 , 6080.91	900	24.4	3%	24	0.0	0.0	98.4%	0.1%	0.1%
R29	Innu Cabin 7	634.86 , 6080.71	900	24.4	3%	24	0.0	0.0	98.4%	0.1%	0.1%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	900	24.4	3%	24	0.0	0.0	98.4%	0.1%	0.1%
R31	Innu Cabin 8	633.13 , 6080.34	900	24.4	3%	24	0.0	0.0	98.4%	0.1%	0.1%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	900	24.4	3%	24	0.0	0.0	98.5%	0.1%	0.1%
R36	Kawawachikamak (Town)	643.50 , 6082.13	900	24.4	3%	24	0.0	0.0	98.5%	0.0%	0.0%
R37	Lac John (Town)	642.39 , 6076.24	900	24.4	3%	24	0.0	0.0	98.5%	0.0%	0.0%
R38	Matimekush (Town)	640.80 , 6075.60	900	24.4	3%	24	0.0	0.0	98.5%	0.0%	0.0%
R39	Schefferville (Town)	640.60 , 6075.00	900	24.4	3%	24	0.0	0.0	98.5%	0.0%	0.1%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report: ***Figure 3.14*** **NO2 (1-hr) - No Blasts**

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of NO2 (1-hr) - No Blasts Total			Concentration of NO2 (1-hr) - No Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse (µg/m^3)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration (µg/m^3)	DSO3 / DSO4 concentration (µg/m^3)	Howse concentration (µg/m^3)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	400	83.5	21%	50	28.9	4.6	59.9%	34.7%	5.5%
R28	Innu Cabin 6	634.26 , 6080.91	400	79.8	20%	50	27.0	4.8	62.7%	33.9%	6.0%
R29	Innu Cabin 7	634.86 , 6080.71	400	69.3	17%	50	18.0	5.1	72.1%	26.0%	7.4%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	400	69.2	17%	50	17.8	4.7	72.3%	25.8%	6.8%
R31	Innu Cabin 8	633.13 , 6080.34	400	76.5	19%	50	26.1	5.5	65.4%	34.2%	7.1%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	400	65.2	16%	50	14.2	3.0	76.7%	21.8%	4.7%
R36	Kawawachikamak (Town)	643.50 , 6082.13	400	56.0	14%	50	5.2	1.2	89.3%	9.2%	2.2%
R37	Lac John (Town)	642.39 , 6076.24	400	59.8	15%	50	9.7	2.3	83.6%	16.2%	3.8%
R38	Matimekush (Town)	640.80 , 6075.60	400	60.3	15%	50	8.7	3.0	82.9%	14.4%	5.0%
R39	Schefferville (Town)	640.60 , 6075.00	400	61.5	15%	50	9.4	3.0	81.3%	15.2%	4.9%

Complement to Supporting Studies, Appendix E-1 AECOM Howse Air Modelling Report:

Detailed table of results (contribution to modeled concentrations) for sensitive receptors outside the LSA

Figure 3.15 **CO (1-hr) - No Blasts**

Sensitive Receptors outside the LSA		UTM Coordinates	Concentration of CO (1-hr) - No Blasts Total			Concentration of CO (1-hr) - No Blasts Contributions			Contributions to the *Total concentration in %*		
#	Name	X, Y, Zone 19	Air Quality Assessment Criteria for Howse ($\mu g/m^3$)	Total concentration Background + DSO3/DSO4 + Howse (µg/m3)	% of criteria	Background concentration ($\mu g/m^3$)	DSO3 / DSO4 concentration ($\mu g/m^3$)	Howse concentration ($\mu g/m^3$)	Contribution of Background to modelled concentration (%)	Contribution of DSO3 / DSO4 to modelled concentration (%)	Contribution of Howse to modelled concentration (%)
R27	Innu Cabin 5	633.58 , 6081.32	34000	606.6	2%	600	3.1	3.5	98.9%	0.5%	0.6%
R28	Innu Cabin 6	634.26 , 6080.91	34000	606.3	2%	600	3.0	3.4	99.0%	0.5%	0.6%
R29	Innu Cabin 7	634.86 , 6080.71	34000	606.6	2%	600	3.1	3.5	98.9%	0.5%	0.6%
R30	Innu Cabin 9 (Denault Lake)	635.21 , 6079.78	34000	606.3	2%	600	3.0	3.3	99.0%	0.5%	0.5%
R31	Innu Cabin 8	633.13 , 6080.34	34000	607.3	2%	600	3.3	4.0	98.8%	0.5%	0.7%
R32	Innu Cabin 10 (Vacher Lake)	636.05 , 6085.95	34000	605.2	2%	600	2.6	2.6	99.1%	0.4%	0.4%
R36	Kawawachikamak (Town)	643.50 , 6082.13	34000	602.1	2%	600	1.1	1.0	99.7%	0.2%	0.2%
R37	Lac John (Town)	642.39 , 6076.24	34000	602.7	2%	600	1.3	1.4	99.6%	0.2%	0.2%
R38	Matimekush (Town)	640.80 , 6075.60	34000	603.0	2%	600	1.4	1.5	99.5%	0.2%	0.3%
R39	Schefferville (Town)	640.60 , 6075.00	34000	603.4	2%	600	1.6	1.8	99.4%	0.3%	0.3%