Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.1862	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000431089744**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000525929**	calculated, maximum arsenic level 1220 mg/kg
	5.25929E-09	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000005919**	calculated, maximum arsenic level 1220 mg/kg
	5.91895E-11	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000005919**	calculated, maximum arsenic level 1220 mg/kg
	5.91895E-11	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.2018	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000700520833**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000854635**	calculated, maximum arsenic level 1220 mg/kg
	8.54635E-09	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000005919**	calculated, maximum arsenic level 1220 mg/kg
	5.91895E-11	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000005919**	calculated, maximum arsenic level 1220 mg/kg
	5.91895E-11	

Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.1862	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000431089744**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000198732**	calculated, maximum arsenic level 461 mg/kg
	1.98732E-09	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000002237**	calculated, maximum arsenic level 461 mg/kg
	2.23659E-11	
Day Time		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000002237**	calculated, maximum arsenic level 461 mg/kg
	2.23659E-11	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.2018	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000700520833**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000322940**	calculated, maximum arsenic level 461 mg/kg
	3.2294E-09	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000002237**	calculated, maximum arsenic level 461 mg/kg
	2.23659E-11	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000002237**	calculated, maximum arsenic level 461 mg/kg
	2.23659E-11	

Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.1862	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000431089744**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000053886**	calculated, maximum arsenic level 125 mg/kg
	5.38862E-10	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000606**	calculated, maximum arsenic level 125 mg/kg
	6.0645E-12	
Day Time		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000606**	calculated, maximum arsenic level 125 mg/kg
	6.0645E-12	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.2018	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000700520833**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000087565**	calculated, maximum arsenic level 125 mg/kg
	8.75651E-10	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000606**	calculated, maximum arsenic level 125 mg/kg
	6.0645E-12	
Day Time		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000606**	calculated, maximum arsenic level 125 mg/kg
	6.0645E-12	

Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.1862	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000431089744**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000030607**	calculated, maximum arsenic level 71 mg/kg
	3.06074E-10	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000344**	calculated, maximum arsenic level 71 mg/kg
	3.44463E-12	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000344**	calculated, maximum arsenic level 71 mg/kg
	3.44463E-12	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	0.00%	unmitigated
E (g/sq.m/day):	0.2018	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000700520833**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000049737**	calculated, maximum arsenic level 71 mg/kg
	4.9737E-10	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000344**	calculated, maximum arsenic level 71 mg/kg
	3.44463E-12	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000344**	calculated, maximum arsenic level 71 mg/kg
	3.44463E-12	

Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0492	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000113807692**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000138845**	calculated, maximum arsenic level 1220 mg/kg
	1.38845E-09	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000005919**	calculated, maximum arsenic level 1220 mg/kg
	5.91895E-11	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000001563**	calculated, maximum arsenic level 1220 mg/kg
	1.5626E-11	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0533	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000184937500**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000225624**	calculated, maximum arsenic level 1220 mg/kg
	2.25624E-09	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000005919**	calculated, maximum arsenic level 1220 mg/kg
	5.91895E-11	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000001563**	calculated, maximum arsenic level 1220 mg/kg
	1.5626E-11	

Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0492	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000113807692**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000052465**	calculated, maximum arsenic level 461 mg/kg
	5.24653E-10	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000002237**	calculated, maximum arsenic level 461 mg/kg
	2.23659E-11	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000590**	calculated, maximum arsenic level 461 mg/kg
	5.90459E-12	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0533	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000184937500**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000085256**	calculated, maximum arsenic level 461 mg/kg
	8.52562E-10	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000002237**	calculated, maximum arsenic level 461 mg/kg
	2.23659E-11	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000590**	calculated, maximum arsenic level 461 mg/kg
	5.90459E-12	

Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0492	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000113807692**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000014226**	calculated, maximum arsenic level 125 mg/kg
	1.4226E-10	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000606**	calculated, maximum arsenic level 125 mg/kg
	6.0645E-12	
Day Time		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000160**	calculated, maximum arsenic level 125 mg/kg
	1.60103E-12	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0533	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000184937500**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000023117**	calculated, maximum arsenic level 125 mg/kg
	2.31172E-10	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000606**	calculated, maximum arsenic level 125 mg/kg
	6.0645E-12	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000160**	calculated, maximum arsenic level 125 mg/kg
	1.60103E-12	

Project: North East New Territories New Development Area
Calculation of Emission factor for Heavy Construction

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0492	Assume 26 working days per month
E for RSP (g/sq.m/s):	**0.00000113807692**	calculated, 12 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000008080**	calculated, maximum arsenic level 71 mg/kg
	8.08035E-11	

Project: North East New Territories New Development Area
Calculation of Emission factor for Wind Erosion

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where
E = Emission Factor

Assume
For Annual Emission:

Non-working Hours		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000344**	calculated, maximum arsenic level 71 mg/kg
	3.44463E-12	
Day Time		
Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000091**	calculated, maximum arsenic level 71 mg/kg
	9.09384E-13	

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)
or = 2.69Mg/hectare/month of activity

Where
E = Emission Factor

Assume
For Annual Emission:

Day Time

Active operating area (%):	6.00%	estimated based on the construction schedule
RSP composition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sq.m/day):	0.0533	Assume 24 working days per month
E for RSP (g/sq.m/s):	**0.00000184937500**	calculated, 8 working hours per day
E for Arsenic (g/sq.m/s):	**0.00000000013131**	calculated, maximum arsenic level 71 mg/kg
	1.31306E-10	

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

Assume

For Annual Emission:

Non-working Hours

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
E (g/sqm/day)	0.004191781	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000004851598**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000344**	calculated, maximum arsenic level 71 mg/kg
	3.44463E-12	

Day Time

Active operating area (%)	6.00%	usual practice for typical construction site
RSP compsition (%):	30.00%	
RSP suppression by watering(%):	73.60%	
E (g/sqm/day)	0.00110663	calculated as in AP-42 (S11.9, Table 11.9.4)
E for RSP (g/sq.m/s):	**0.00000001280822**	calculated, 24 hours per day
E for Arsenic (mg/sq.m/s):	**0.00000000000091**	calculated, maximum arsenic level 71 mg/kg
	9.09384E-13	