

APPENDIX 3F Emission Inventory

Appendix 3F Emission Inventory

Point Source Dust Emission

1) Tunnel Portal Emission

The following summary table extracted the emission values calculated from Appendix 3A and Appendix 3I for AERMOD input.

| Works ID | Description | Units | Emission Rate (g/s) | | | | | | | | |
|--|---|-------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|--|---|
| | | | Unmitigated | | | Mitigated | | | | | |
| | | | TSP | RSP | FSP | TSP | RSP | FSP | | | |
| 2 | Rock Crushing | | | | | | | | | | |
| 2.1 | Truck Unloading - Fragmented Stone | g/s | 1.6405E-05 | 7.8119E-06 | 7.8119E-06 | 8.2025E-07 | 3.9059E-07 | 3.9059E-07 | | | Note: applying dust filter could reduce dust emission by 95% |
| 2.2 | Tertiary Crushing | g/s | 2.6365E-03 | 1.1718E-03 | 1.1718E-03 | 1.3183E-04 | 5.8589E-05 | 5.8589E-05 | | | Note: applying dust filter could reduce dust emission by 95% |
| 2.3 | Fines Screening (controlled with wet suppression) | g/s | 1.7577E-03 | 1.0741E-03 | 1.0741E-03 | 8.7884E-05 | 5.3707E-05 | 5.3707E-05 | | | Note: applying dust filter could reduce dust emission by 95% |
| 3 | Blasting | g/s | 1.3203E-01 | 6.8654E-02 | 3.9608E-03 | 1.3203E-01 | 6.8654E-02 | 3.9608E-03 | | | |
| 4 | Wet Drilling | g/s | 6.3000E-03 | 6.3000E-04 | 6.3000E-04 | 6.3000E-03 | 6.3000E-04 | 6.3000E-04 | | | |
| 5 | Material Handling | g/s | 1.4581E-03 | 6.8964E-04 | 1.0443E-04 | 1.2102E-04 | 5.7240E-05 | 8.6678E-06 | | | Note: watering on active works area could reduce dust emission by 91.7% |
| 6 | Vehicle movements on unpaved road | | | | | | | | | | |
| 6.1 | For trucks with loading | g/s | 2.3298E+00 | 6.6568E-01 | 6.6568E-02 | 1.9337E-01 | 5.5251E-02 | 5.5251E-03 | | | Note: watering on active works area could reduce dust emission by 91.7% |
| 6.2 | For trucks without loading | g/s | 1.4211E+00 | 4.0603E-01 | 4.0603E-02 | 1.1795E-01 | 3.3701E-02 | 3.3701E-03 | | | Note: watering on active works area could reduce dust emission by 91.7% |
| Dust filter | | | 0% | 0% | 0% | 80% | 80% | 80% | | | |
| Total works include blasting (Monday to Saturday 7am-7pm) ^[1] | | | 3.8951E+00 | 1.1439E+00 | 1.1412E-01 | 8.9998E-02 | 3.1681E-02 | 2.7215E-03 | | | |
| Total works exclude blasting (Monday to Saturday 7pm - 7am, Sunday 24 hours) ^[2] | | | 3.7631E+00 | 1.0753E+00 | 1.1016E-01 | 6.3593E-02 | 1.7950E-02 | 1.9293E-03 | | | |

Remarks:

[1] Works included work ID 2.1, 2.2, 2.3, 3, 4, 5, 6.1 and 6.2.

[2] Works included work ID 2.1, 2.2, 2.3, 4, 5, 6.1 and 6.2.

Summary of Tunnel Portal Emission Inventory

| ID | Description | Type | Coordinates | | Base Elevation (m) | Release Height (m) | Exit Temp (K) | Stack Diameter ^[3] (m) | Exit Velocity ^[4] (m/s) | Gas Exit Flow Rate (m ³ /s) | Duration (hours) | Emission Rate (g/s) | | | | | |
|----|--|----------------|-------------|----------|--------------------|--------------------|---------------|-----------------------------------|------------------------------------|--|----------------------------|---|------------|------------|------------|------------|------------|
| | | | X | Y | | | | | | | | Unmitigated | | | Mitigated | | |
| | | | | | | | | | | | | TSP | RSP | FSP | TSP | RSP | FSP |
| TP | Tunnel Portal (total works include blasting) | Point (CAPPED) | 837094.8 | 822795.8 | 75.7 | 15 | Ambient | 1.6926 | 3 | 6.7502 | Monday to Saturday 7am-7pm | 3.8951E+00 | 1.1439E+00 | 1.1412E-01 | 8.9998E-02 | 3.1681E-02 | 2.7215E-03 |
| | Tunnel Portal (total works exclude blasting) | | | | | | | | | | | Monday to Saturday 7pm-7am, Sunday 24 hours | 3.7631E+00 | 1.0753E+00 | 1.1016E-01 | 6.3593E-02 | 1.7950E-02 |

Remarks:

[3] The design of the tunnel portal (i.e. ventilation shaft) is shaped similar to a roof monitor , with planned dimension of 1.5m*1.5m*0.5m (LxWxH).

[4] Provided by Engineer.

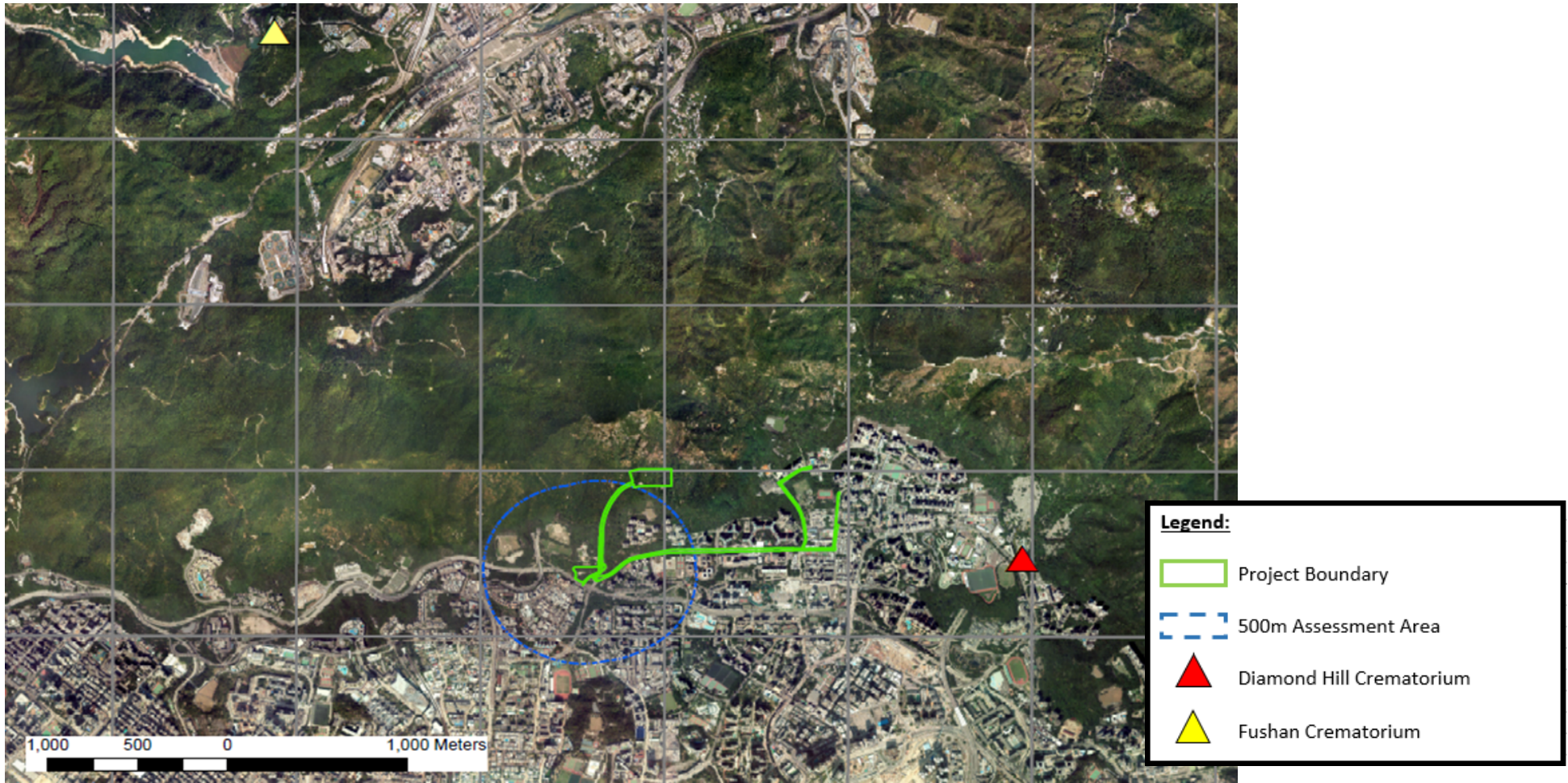
Appendix 3F Emission Inventory

Point Source Dust Emission

2) Other Point Emission within 4km assessment area

| ID | Description | Type ^[5] | Coordinates | | Base Elevation (m) | Release Height (m) | Exit Temp (K) | Stack Diameter (m) | Exit Velocity (m/s) | Gas Exit Flow Rate (m ³ /s) | Duration (hours) | Emission Rate (g/s) | | |
|-------|--------------------------|---------------------|-------------|----------|--------------------|--------------------|---------------|--------------------|---------------------|--|-------------------------------|---------------------|--------------------|--------------------|
| | | | X | Y | | | | | | | | TSP | RSP ^[7] | FSP ^[7] |
| DHC_1 | Diamond Hill Crematorium | Point (VERTICAL) | 839443.2 | 822851.2 | 71.7 | 30.2 | 373 | 0.24 | 10.020 | 0.453 | 9 (0900-1800) | 4.9940E-02 | 4.9940E-02 | 4.9940E-02 |
| DHC_2 | Diamond Hill Crematorium | Point (VERTICAL) | 839439.5 | 822851.7 | 71.7 | 30.2 | 373 | 0.27 | 10.208 | 0.584 | 9 (0900-1800) | 6.4390E-02 | 6.4390E-02 | 6.4390E-02 |
| DHC_3 | Diamond Hill Crematorium | Point (VERTICAL) | 839439.3 | 822850.1 | 71.7 | 30.2 | 373 | 0.24 | 10.020 | 0.453 | 9 (0900-1800) | 4.9940E-02 | 4.9940E-02 | 4.9940E-02 |
| DHC_4 | Diamond Hill Crematorium | Point (VERTICAL) | 839443.0 | 822849.8 | 71.7 | 30.2 | 373 | 0.27 | 10.208 | 0.584 | 9 (0900-1800) | 6.4390E-02 | 6.4390E-02 | 6.4390E-02 |
| DHC_5 | Diamond Hill Crematorium | Point (VERTICAL) | 839439.2 | 822849.1 | 71.7 | 30.2 | 373 | 0.24 | 10.020 | 0.453 | 9 (0900-1800) | 4.9940E-02 | 4.9940E-02 | 4.9940E-02 |
| DHC_6 | Diamond Hill Crematorium | Point (VERTICAL) | 839442.9 | 822848.6 | 71.7 | 30.2 | 373 | 0.24 | 10.020 | 0.453 | 9 (0900-1800) | 4.9940E-02 | 4.9940E-02 | 4.9940E-02 |
| FSC_1 | Fu Shan Crematorium | Point (VERTICAL) | 835290.9 | 826078.2 | 66.7 | 20.5 | 373 | 0.27 | 8.514 | 0.488 | 10 (0800-1800) ^[6] | 5.2778E-02 | 5.2778E-02 | 5.2778E-02 |
| FSC_2 | Fu Shan Crematorium | Point (VERTICAL) | 835289.3 | 826079.5 | 66.7 | 20.5 | 373 | 0.25 | 8.517 | 0.418 | 10 (0800-1800) ^[6] | 4.7222E-02 | 4.7222E-02 | 4.7222E-02 |
| FSC_3 | Fu Shan Crematorium | Point (VERTICAL) | 835290.1 | 826078.8 | 66.7 | 20.5 | 373 | 0.25 | 8.517 | 0.418 | 10 (0800-1800) ^[6] | 4.7222E-02 | 4.7222E-02 | 4.7222E-02 |
| FSC_4 | Fu Shan Crematorium | Point (VERTICAL) | 835288.6 | 826080.1 | 66.7 | 20.5 | 373 | 0.25 | 8.517 | 0.418 | 10 (0800-1800) ^[6] | 4.7222E-02 | 4.7222E-02 | 4.7222E-02 |

- Note:
- [5] Site visit has been conducted to confirm the chimney type.
 - [6] The operating for Fu Shan Crematorium is 0830-1800, to fit the entry requirement of AERMOD, a conservative duration of 0800-1800 is adopted.
 - [7] The SP license has only provided TSP emission, a conservative approach is taken to assume TSP emission is identical to RSP and FSP.



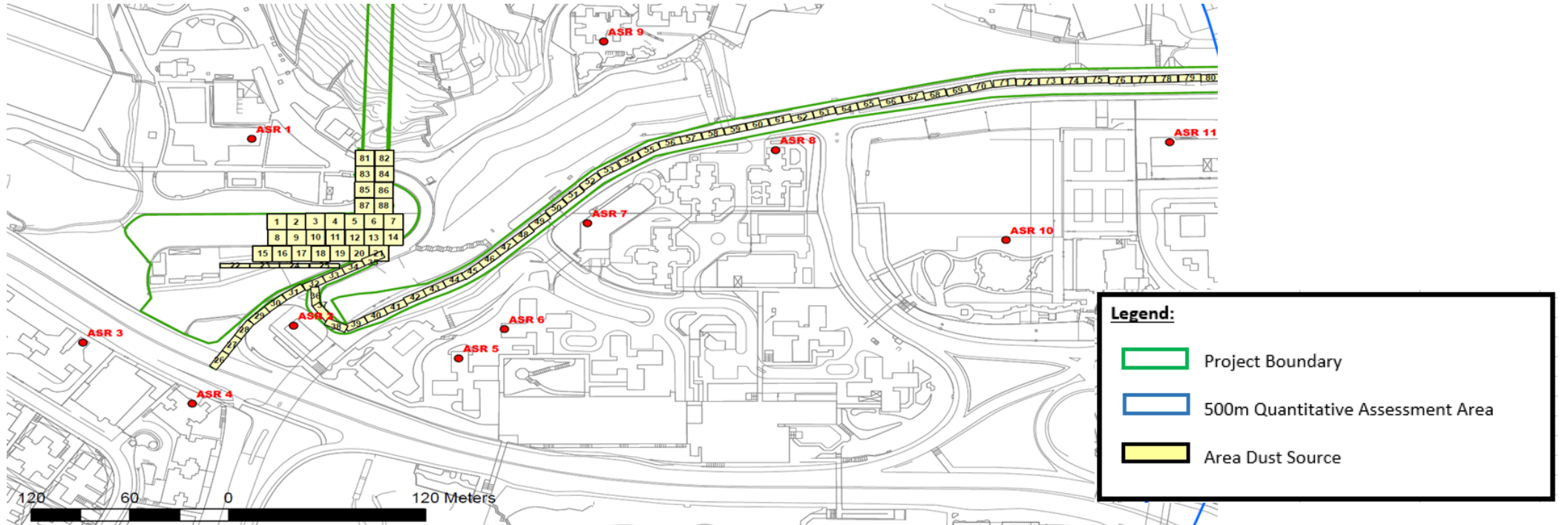
Appendix 3F Emission Inventory
Area Source Dust Emission

Construction area outside cavern, which include site formation for portal enclosure, auxiliary buildings, actively operating areas and water mains laying works. The area is divided with multiple areas as follow:

| ID | Type | Coordinates | | Length | | Area (m ²) | Base Height (m) | Release Height (m) | Angle (degree) | Working Hour Duration | Working Hour ^[1] | | | | | | Non-Working Hour ^[2] | | | | | |
|---------|------|-------------|----------|--------|------|------------------------|-----------------|--------------------|----------------|-----------------------|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | | | | | | | | | | Unmitigated | | | Mitigated | | | Unmitigated | | | Mitigated | | |
| | | | | | | | | | | | TSP (g/m ² /s) | RSP (g/m ² /s) | FSP (g/m ² /s) | TSP (g/m ² /s) | RSP (g/m ² /s) | FSP (g/m ² /s) | TSP (g/m ² /s) | RSP (g/m ² /s) | FSP (g/m ² /s) | TSP (g/m ² /s) | RSP (g/m ² /s) | FSP (g/m ² /s) |
| AREA_65 | Area | 837394.1 | 822880.5 | 5.0 | 13.7 | 68.56 | 52.1 | 0.5 | 74 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_66 | Area | 837407.7 | 822882.0 | 5.0 | 13.7 | 68.56 | 53.5 | 0.5 | 74 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_67 | Area | 837421.2 | 822885.4 | 5.0 | 13.7 | 68.56 | 53.5 | 0.5 | 74 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_68 | Area | 837434.5 | 822887.3 | 5.0 | 13.7 | 68.56 | 53.5 | 0.5 | 74 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_69 | Area | 837448.3 | 822890.3 | 5.0 | 13.7 | 68.56 | 55.0 | 0.5 | 74 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_70 | Area | 837462.5 | 822893.2 | 5.0 | 13.7 | 68.56 | 55.0 | 0.5 | 74 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_71 | Area | 837477.1 | 822896.8 | 5.0 | 13.7 | 68.56 | 55.0 | 0.5 | 82 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_72 | Area | 837491.0 | 822898.0 | 5.0 | 13.7 | 68.56 | 55.0 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_73 | Area | 837505.2 | 822898.6 | 5.0 | 13.7 | 68.56 | 55.0 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_74 | Area | 837519.4 | 822899.0 | 5.0 | 13.7 | 68.56 | 56.5 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_75 | Area | 837533.8 | 822899.6 | 5.0 | 13.7 | 68.56 | 56.9 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_76 | Area | 837547.8 | 822899.4 | 5.0 | 13.7 | 68.56 | 56.9 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_77 | Area | 837561.7 | 822899.9 | 5.0 | 13.7 | 68.56 | 57.6 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_78 | Area | 837575.9 | 822900.3 | 5.0 | 13.7 | 68.56 | 57.6 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_79 | Area | 837590.1 | 822900.9 | 5.0 | 13.7 | 68.56 | 57.6 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_80 | Area | 837603.6 | 822900.9 | 5.0 | 13.7 | 68.56 | 57.6 | 0.5 | 87 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_81 | Area | 837100.4 | 822845.8 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_82 | Area | 837088.5 | 822822.8 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_83 | Area | 837100.3 | 822811.3 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_84 | Area | 837088.5 | 822834.3 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_85 | Area | 837088.5 | 822811.3 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_86 | Area | 837100.1 | 822834.0 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_87 | Area | 837100.1 | 822822.8 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |
| AREA_88 | Area | 837088.6 | 822845.8 | 11.7 | 11.7 | 136.89 | 92.0 | 0.5 | 0 | 12 (0700-1900) | 2.0756E-04 | 9.8177E-05 | 1.4944E-05 | 1.7228E-05 | 8.1487E-06 | 1.2404E-06 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 | 2.6953E-06 | 1.2749E-06 | 1.9406E-07 |

Remarks:

- [1] The emission of area source are the heavy construction works, calculation can be found in Appendix 3A and Appendix 3I.
- [2] The emission of area source are wind erosion, calculation can be found in Appendix 3A and Appendix 3I.



Appendix 3F Emission Inventory

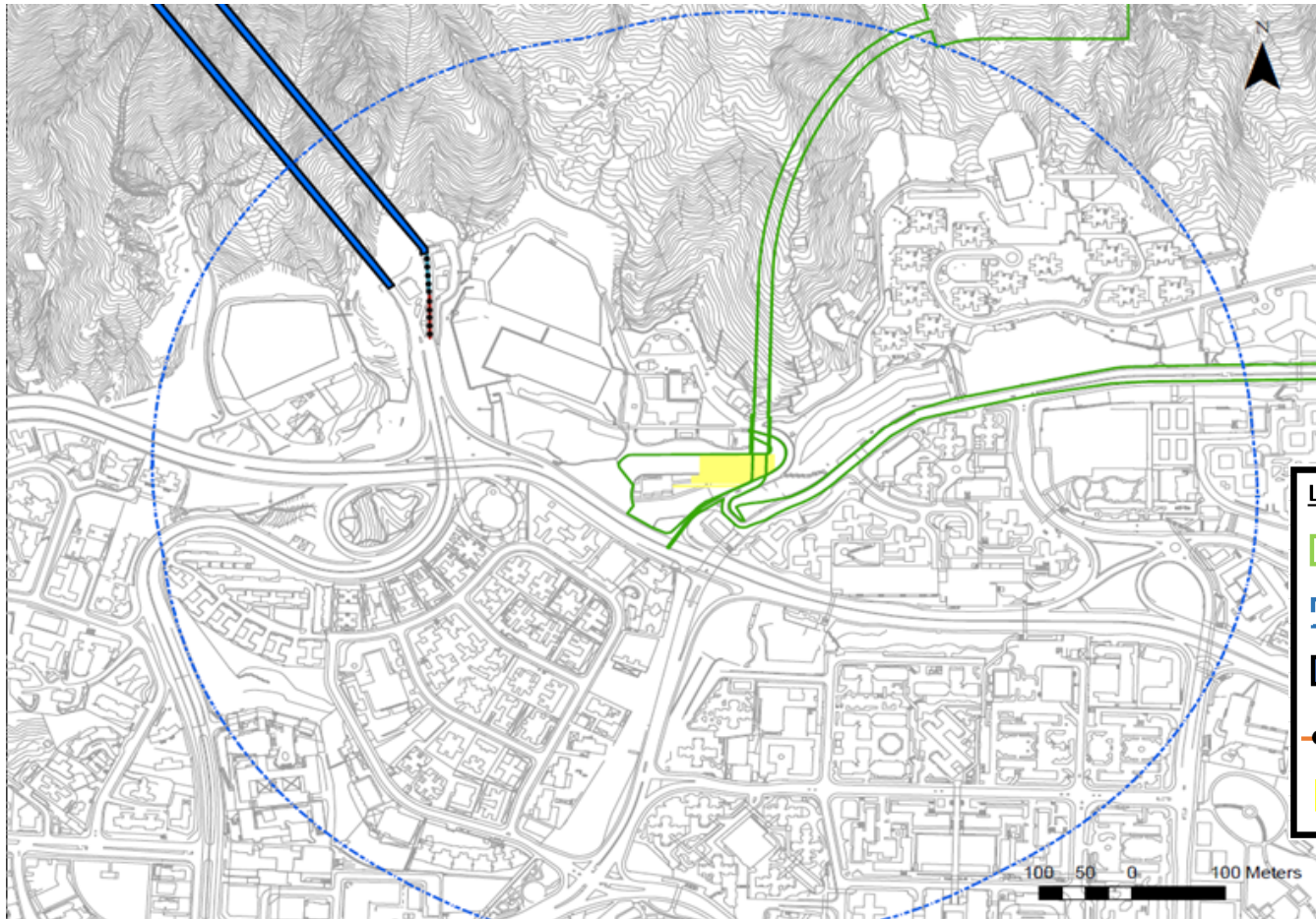
Volume Source Dust Emission

Lion Rock Tunnel Emission

Another volume source originated from the tunnel emission of the Lion Rock Tunnel Portal. Full calculation can refer Appendix 3F, the emission are summarised as follow:

| ID | Description | Type | Coordinates | | Base Elevation (m) | Release Height [5] (m) | Length of Side [6] (m) | Duration (hours) | Initial Lateral [7] (m) | Initial Vertical [8] (m) | Emission Rate | | |
|--------|------------------|--------|-------------|----------|-----------------------|------------------------------|------------------------------|---------------------|----------------------------|--------------------------------|---------------|--------------|--------------|
| | | | X | Y | | | | | | | TSP (g/s) | RSP (g/s) | FSP (g/s) |
| LRT_A1 | Lion Rock Tunnel | Volume | 836742.9 | 823033.3 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 2.5853E-03 | 2.5853E-03 | 2.3741E-03 |
| LRT_A2 | Lion Rock Tunnel | Volume | 836743.5 | 823023.4 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 2.5853E-03 | 2.5853E-03 | 2.3741E-03 |
| LRT_A3 | Lion Rock Tunnel | Volume | 836744.1 | 823013.1 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 2.5853E-03 | 2.5853E-03 | 2.3741E-03 |
| LRT_A4 | Lion Rock Tunnel | Volume | 836744.7 | 823003.1 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 2.5853E-03 | 2.5853E-03 | 2.3741E-03 |
| LRT_A5 | Lion Rock Tunnel | Volume | 836745.3 | 822994.1 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 2.5853E-03 | 2.5853E-03 | 2.3741E-03 |
| LRT_B1 | Lion Rock Tunnel | Volume | 836745.7 | 822982.4 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 1.2927E-03 | 1.2927E-03 | 1.1871E-03 |
| LRT_B2 | Lion Rock Tunnel | Volume | 836745.8 | 822971.8 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 1.2927E-03 | 1.2927E-03 | 1.1871E-03 |
| LRT_B3 | Lion Rock Tunnel | Volume | 836745.9 | 822963.2 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 1.2927E-03 | 1.2927E-03 | 1.1871E-03 |
| LRT_B4 | Lion Rock Tunnel | Volume | 836746.0 | 822953.1 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 1.2927E-03 | 1.2927E-03 | 1.1871E-03 |
| LRT_B5 | Lion Rock Tunnel | Volume | 836746.1 | 822943.4 | 93.5 | 2.418 | 7.7 | 24 | 3.581 | 2.249 | 1.2927E-03 | 1.2927E-03 | 1.1871E-03 |

- Remarks:
- [5] The release height is set based on the cross-section of the lion rock tunnel from Chun Wo Tunnel Management Limited. The interior height of the tunnel is 4.835m. The middle point is taken as the release height for the AERMOD input.
 - [6] The length of the side is set based on the cross-section of the lion rock tunnel from Chun Wo Tunnel Management Limited.
 - [7] Initial Lateral Dimension = length of the side / 2.15
 - [8] Initial vertical = Vertical Dimension (4.835) / 2.15



Legend:

- Project Boundary
- 500m Assessment Area
- Lion Rock Hill Tunnel
- Portal Area
- Emission Zone