

Appendix F - 24-hour TSP Impact Monitoring Results

Location CKL1 - Flat 121 Cha Kwo Ling Village

| Start Date | Weather Condition | Air Temp. (K) | Atmospheric Pressure, Pa (mmHg) | Filter Weight (g) | | Particulate weight (g) | Elapse Time | | Sampling Time (hrs.) | Flow Rate (m ³ /min.) | | Av. Flow (m ³ /min) | Total vol. (m ³) | Conc. (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) |
|--|-------------------|---------------|---------------------------------|-------------------|--------|------------------------|-------------|--------|----------------------|----------------------------------|-------|--------------------------------|------------------------------|----------------------------|-----------------------------------|----------------------------------|
| | | | | Initial | Final | | Initial | Final | | Initial | Final | | | | | |
| 2-May-23 | Cloudy | 297.8 | 761.7 | 3.3287 | 3.5235 | 0.1949 | 6021.8 | 6045.8 | 24.0 | 1.21 | 1.20 | 1.20 | 1734.8 | 112.3 | 191.0 | 260.0 |
| 8-May-23 | Rainy | 296.5 | 760.1 | 3.3339 | 3.4860 | 0.1522 | 6045.8 | 6069.8 | 24.0 | 1.22 | 1.22 | 1.22 | 1762.9 | 86.3 | | |
| 12-May-23 | Fine | 297.0 | 761.7 | 3.3022 | 3.5181 | 0.2159 | 6069.8 | 6093.8 | 24.0 | 1.22 | 1.22 | 1.22 | 1763.3 | 122.4 | | |
| 18-May-23 | Sunny | 302.0 | 756.5 | 3.3526 | 3.5054 | 0.1528 | 6093.8 | 6117.8 | 24.0 | 1.21 | 1.21 | 1.21 | 1747.0 | 87.5 | | |
| 24-May-23 | Rainy | 298.5 | 759.4 | 3.2925 | 3.4072 | 0.1147 | 6117.8 | 6141.8 | 24.0 | 1.22 | 1.22 | 1.22 | 1757.7 | 65.3 | | |
| 30-May-23 | Fine | 304.3 | 753.3 | 3.3519 | 3.5811 | 0.2291 | 6141.8 | 6165.8 | 24.0 | 1.21 | 1.21 | 1.21 | 1739.0 | 131.8 | | |
| Note: <i>Bold Italic</i> means Action Level exceedance <i>Bold Italic with underline</i> means Limit Level exceedance | | | | | | | | | | | | | Min | 65.3 | | |
| | | | | | | | | | | | | | Max | 131.8 | | |
| | | | | | | | | | | | | | Average | 100.9 | | |

Location CKL2 - Flat 103 Cha Kwo Ling Village

| Start Date | Weather Condition | Air Temp. (K) | Atmospheric Pressure, Pa (mmHg) | Filter Weight (g) | | Particulate weight (g) | Elapse Time | | Sampling Time (hrs.) | Flow Rate (m ³ /min.) | | Av. Flow (m ³ /min) | Total vol. (m ³) | Conc. (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) |
|--|-------------------|---------------|---------------------------------|-------------------|--------|------------------------|-------------|---------|----------------------|----------------------------------|-------|--------------------------------|------------------------------|----------------------------|-----------------------------------|----------------------------------|
| | | | | Initial | Final | | Initial | Final | | Initial | Final | | | | | |
| 2-May-23 | Cloudy | 297.8 | 761.7 | 3.3237 | 3.6713 | 0.3476 | 18367.2 | 18391.2 | 24.0 | 1.21 | 1.20 | 1.20 | 1734.7 | <u>200.4</u> | 183.0 | 260.0 |
| 8-May-23 | Rainy | 296.5 | 760.1 | 3.3900 | 3.5600 | 0.1700 | 18415.2 | 18439.2 | 24.0 | 1.20 | 1.20 | 1.20 | 1730.1 | 98.3 | | |
| 12-May-23 | Fine | 297.0 | 761.7 | 3.3963 | 3.6116 | 0.2153 | 18439.2 | 18463.2 | 24.0 | 1.20 | 1.20 | 1.20 | 1730.6 | 124.4 | | |
| 18-May-23 | Sunny | 302.0 | 756.5 | 3.3302 | 3.7255 | 0.3953 | 18463.2 | 18487.2 | 24.0 | 1.19 | 1.19 | 1.19 | 1714.0 | <u>230.6</u> | | |
| 24-May-23 | Rainy | 298.5 | 759.4 | 3.3119 | 3.4508 | 0.1389 | 18511.2 | 18535.2 | 24.0 | 1.20 | 1.20 | 1.20 | 1724.8 | 80.5 | | |
| 30-May-23 | Fine | 304.3 | 753.3 | 3.3248 | 3.7524 | 0.4276 | 18535.2 | 18559.2 | 24.0 | 1.19 | 1.18 | 1.18 | 1705.8 | <u>250.7</u> | | |
| Note: <i>Bold Italic</i> means Action Level exceedance <i>Bold Italic with underline</i> means Limit Level exceedance | | | | | | | | | | | | | Min | 80.5 | | |
| | | | | | | | | | | | | | Max | 250.7 | | |
| | | | | | | | | | | | | | Average | 164.1 | | |

Location KTD1 - Centre of Excellence in Paediatrics (Children's Hospital)

| Start Date | Weather Condition | Air Temp. (K) | Atmospheric Pressure, Pa (mmHg) | Filter Weight (g) | | Particulate weight (g) | Elapse Time | | Sampling Time (hrs.) | Flow Rate (m ³ /min.) | | Av. Flow (m ³ /min) | Total vol. (m ³) | Conc. (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) |
|--|-------------------|---------------|---------------------------------|-------------------|--------|------------------------|-------------|---------|----------------------|----------------------------------|-------|--------------------------------|------------------------------|----------------------------|-----------------------------------|----------------------------------|
| | | | | Initial | Final | | Initial | Final | | Initial | Final | | | | | |
| 2-May-23 | Cloudy | 297.8 | 761.7 | 3.3413 | 3.4238 | 0.0825 | 17363.1 | 17387.1 | 24.0 | 1.21 | 1.21 | 1.21 | 1743.2 | 47.4 | 177.0 | 260.0 |
| 8-May-23 | Rainy | 296.5 | 760.1 | 3.3661 | 3.4214 | 0.0554 | 17387.1 | 17411.1 | 24.0 | 1.21 | 1.21 | 1.21 | 1744.7 | 31.7 | | |
| 12-May-23 | Fine | 297.0 | 761.7 | 3.2972 | 3.3668 | 0.0696 | 17411.1 | 17435.1 | 24.0 | 1.22 | 1.22 | 1.22 | 1752.7 | 39.7 | | |
| 18-May-23 | Fine | 302.0 | 756.5 | 3.3133 | 3.4069 | 0.0936 | 17435.1 | 17459.1 | 24.0 | 1.20 | 1.20 | 1.20 | 1735.0 | 54.0 | | |
| 24-May-23 | Rainy | 298.5 | 759.4 | 3.3076 | 3.4404 | 0.1328 | 17459.1 | 17483.1 | 24.0 | 1.21 | 1.21 | 1.21 | 1746.5 | 76.0 | | |
| 30-May-23 | Sunny | 304.3 | 753.3 | 3.3441 | 3.4928 | 0.1487 | 17483.1 | 17507.1 | 24.0 | 1.20 | 1.20 | 1.20 | 1726.3 | 86.1 | | |
| Note: <i>Bold Italic</i> means Action Level exceedance <i>Bold Italic with underline</i> means Limit Level exceedance | | | | | | | | | | | | | Min | 31.7 | | |
| | | | | | | | | | | | | | Max | 86.1 | | |
| | | | | | | | | | | | | | Average | 55.8 | | |

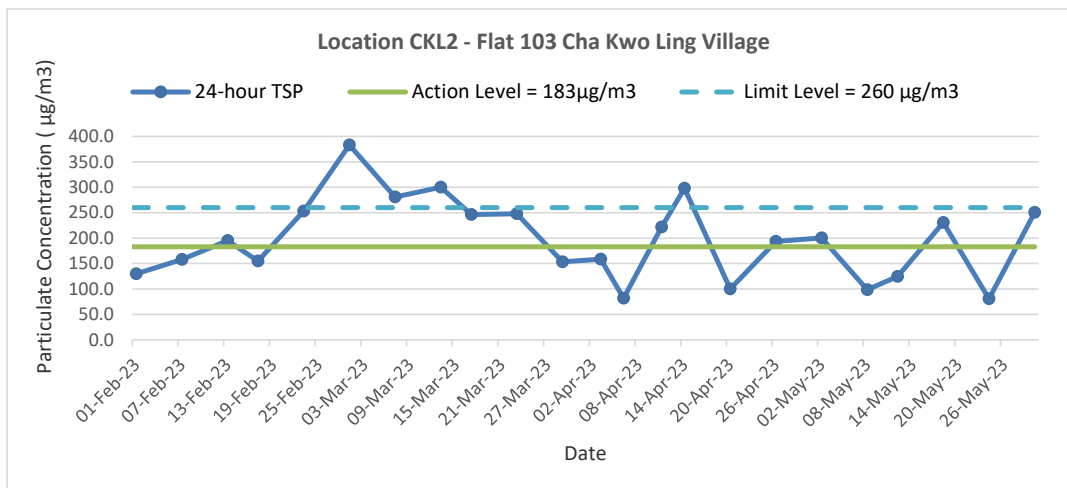
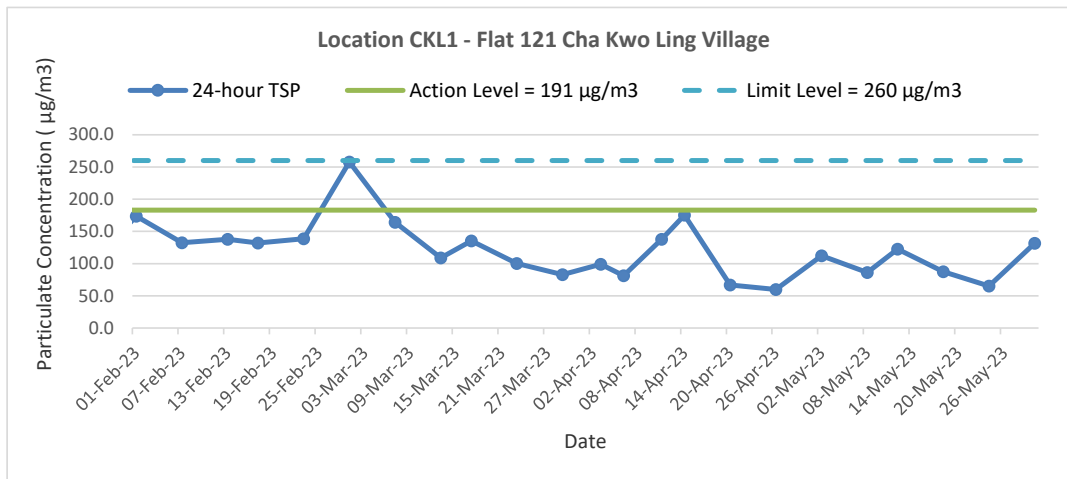
Location KER1 - Future Residential Development at Kerry Godown

| Start Date | Weather Condition | Air Temp. (K) | Atmospheric Pressure, Pa (mmHg) | Filter Weight (g) | | Particulate weight (g) | Elapse Time | | Sampling Time (hrs.) | Flow Rate (m ³ /min.) | | Av. Flow (m ³ /min) | Total vol. (m ³) | Conc. (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) |
|--|-------------------|---------------|---------------------------------|-------------------|--------|------------------------|-------------|---------|----------------------|----------------------------------|-------|--------------------------------|------------------------------|----------------------------|-----------------------------------|----------------------------------|
| | | | | Initial | Final | | Initial | Final | | Initial | Final | | | | | |
| 2-May-23 | Cloudy | 297.8 | 761.7 | 3.3245 | 3.5460 | 0.2215 | 15167.6 | 15191.6 | 24.0 | 1.21 | 1.21 | 1.21 | 1745.8 | 126.9 | 172.0 | 260.0 |
| 8-May-23 | Rainy | 296.5 | 760.1 | 3.3282 | 3.4715 | 0.1433 | 15191.6 | 15215.6 | 24.0 | 1.21 | 1.21 | 1.21 | 1747.4 | 82.0 | | |
| 12-May-23 | Fine | 297.0 | 761.7 | 3.3235 | 3.4913 | 0.1679 | 15215.6 | 15239.6 | 24.0 | 1.22 | 1.22 | 1.22 | 1754.7 | 95.7 | | |
| 18-May-23 | Fine | 302.0 | 756.5 | 3.3050 | 3.4611 | 0.1560 | 15239.6 | 15263.6 | 24.0 | 1.21 | 1.21 | 1.21 | 1737.0 | 89.8 | | |
| 24-May-23 | Rainy | 298.5 | 759.4 | 3.2741 | 3.4795 | 0.2053 | 15263.6 | 15287.6 | 24.0 | 1.21 | 1.21 | 1.21 | 1748.6 | 117.4 | | |
| 30-May-23 | Sunny | 304.3 | 753.3 | 3.2898 | 3.5383 | 0.2485 | 15287.6 | 15311.6 | 24.0 | 1.20 | 1.20 | 1.20 | 1728.3 | 143.8 | | |
| Note: <i>Bold Italic</i> means Action Level exceedance <i>Bold Italic with underline</i> means Limit Level exceedance | | | | | | | | | | | | | Min | 82.0 | | |
| | | | | | | | | | | | | | Max | 143.8 | | |
| | | | | | | | | | | | | | Average | 109.3 | | |

Location KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area

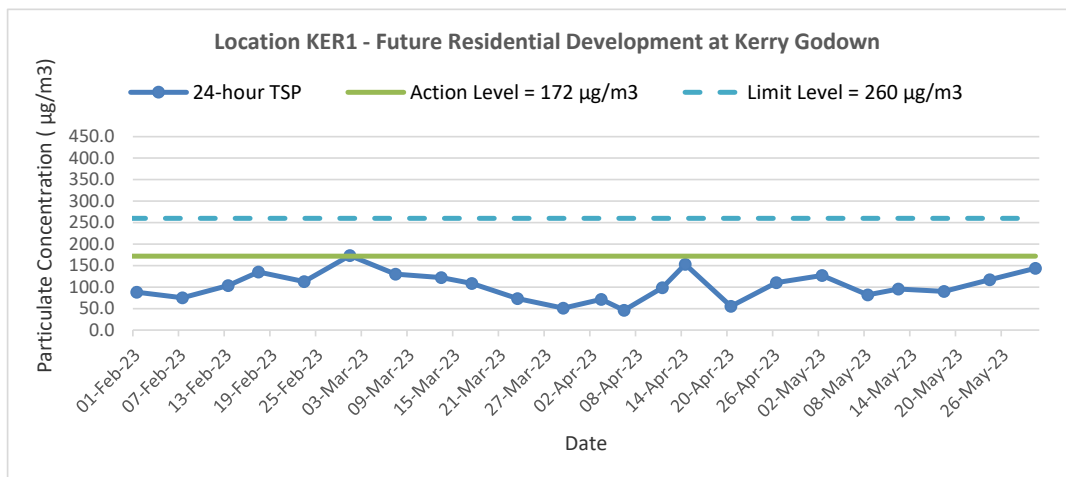
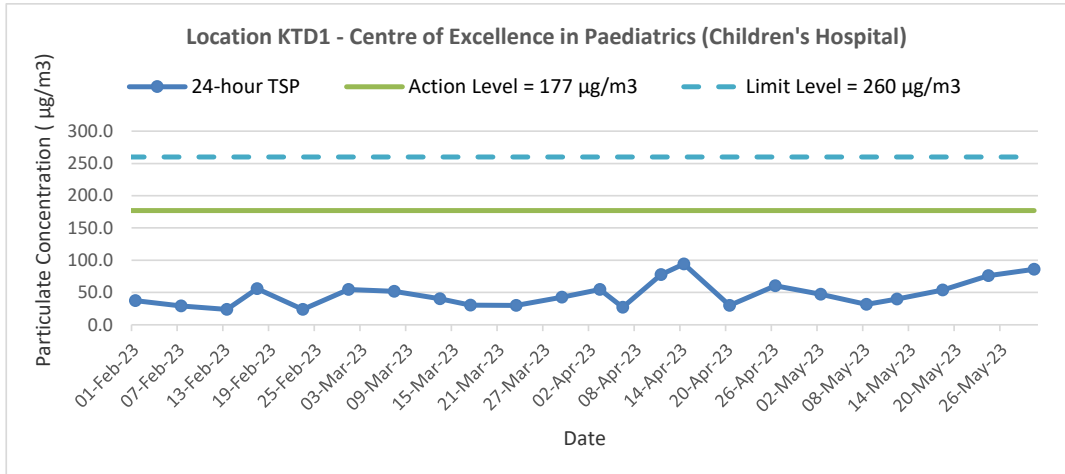
| Start Date | Weather Condition | Air Temp. (K) | Atmospheric Pressure, Pa (mmHg) | Filter Weight (g) | | Particulate weight (g) | Elapse Time | | Sampling Time (hrs.) | Flow Rate (m ³ /min.) | | Av. Flow (m ³ /min) | Total vol. (m ³) | Conc. (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) |
|--|-------------------|---------------|---------------------------------|-------------------|--------|------------------------|-------------|---------|----------------------|----------------------------------|-------|--------------------------------|------------------------------|----------------------------|-----------------------------------|----------------------------------|
| | | | | Initial | Final | | Initial | Final | | Initial | Final | | | | | |
| 2-May-23 | Cloudy | 297.8 | 761.7 | 3.3153 | 3.4794 | 0.1641 | 15833.3 | 15857.3 | 24.0 | 1.21 | 1.21 | 1.21 | 1742.8 | 94.2 | 157.0 | 260.0 |
| 8-May-23 | Rainy | 296.5 | 760.1 | 3.3175 | 3.4661 | 0.1486 | 15857.3 | 15881.3 | 24.0 | 1.21 | 1.21 | 1.21 | 1744.4 | 85.2 | | |
| 12-May-23 | Fine | 297.0 | 761.7 | 3.3042 | 3.4498 | 0.1457 | 15881.3 | 15905.3 | 24.0 | 1.22 | 1.22 | 1.22 | 1753.7 | 83.1 | | |
| 18-May-23 | Sunny | 302.0 | 756.5 | 3.3362 | 3.4501 | 0.1138 | 15905.3 | 15929.3 | 24.0 | 1.21 | 1.21 | 1.21 | 1736.7 | 65.6 | | |
| 24-May-23 | Rainy | 298.5 | 759.4 | 3.2948 | 3.4687 | 0.1739 | 15929.3 | 15953.3 | 24.0 | 1.21 | 1.21 | 1.21 | 1747.8 | 99.5 | | |
| 30-May-23 | Sunny | 304.3 | 753.3 | 3.3288 | 3.5373 | 0.2085 | 15953.3 | 15977.3 | 24.0 | 1.20 | 1.20 | 1.20 | 1728.3 | 120.7 | | |
| Note: <i>Bold Italic</i> means Action Level exceedance <i>Bold Italic with underline</i> means Limit Level exceedance | | | | | | | | | | | | | Min | 65.6 | | |
| | | | | | | | | | | | | | Max | 120.7 | | |
| | | | | | | | | | | | | | Average | 91.3 | | |

24-hr TSP Concentration Levels



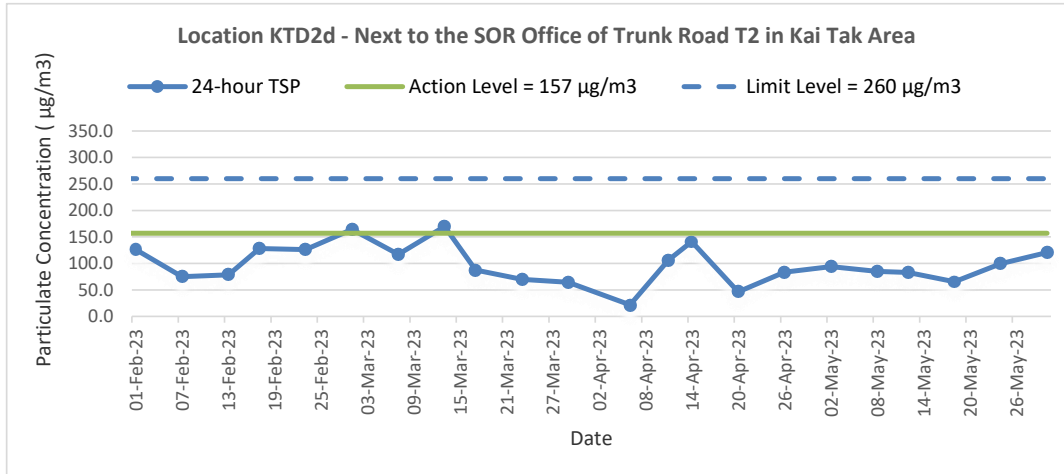
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|-------|---|------|--------|-------------|---------|----------|
| Title | Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron | Date | May-23 | Project No. | MA20003 | CINOTECH |
| | Graphical Presentation of 24-hour TSP Monitoring Results | | | Appendix | F | |

24-hr TSP Concentration Levels



| | | | |
|--|----------------|------------------------|--|
| Title Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Graphical Presentation of 24-hour TSP Monitoring Results | Date May-23 | Project No. MA20003 | |
| | | Appendix F | |

24-hr TSP Concentration Levels



| | | | |
|--|----------------|------------------------|--|
| Title Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Graphical Presentation of 24-hour TSP Monitoring Results | Date May-23 | Project No. MA20003 | |
| | | Appendix F | |