

Appendix E

Environmental Monitoring Data for Air, Noise and Water Quality

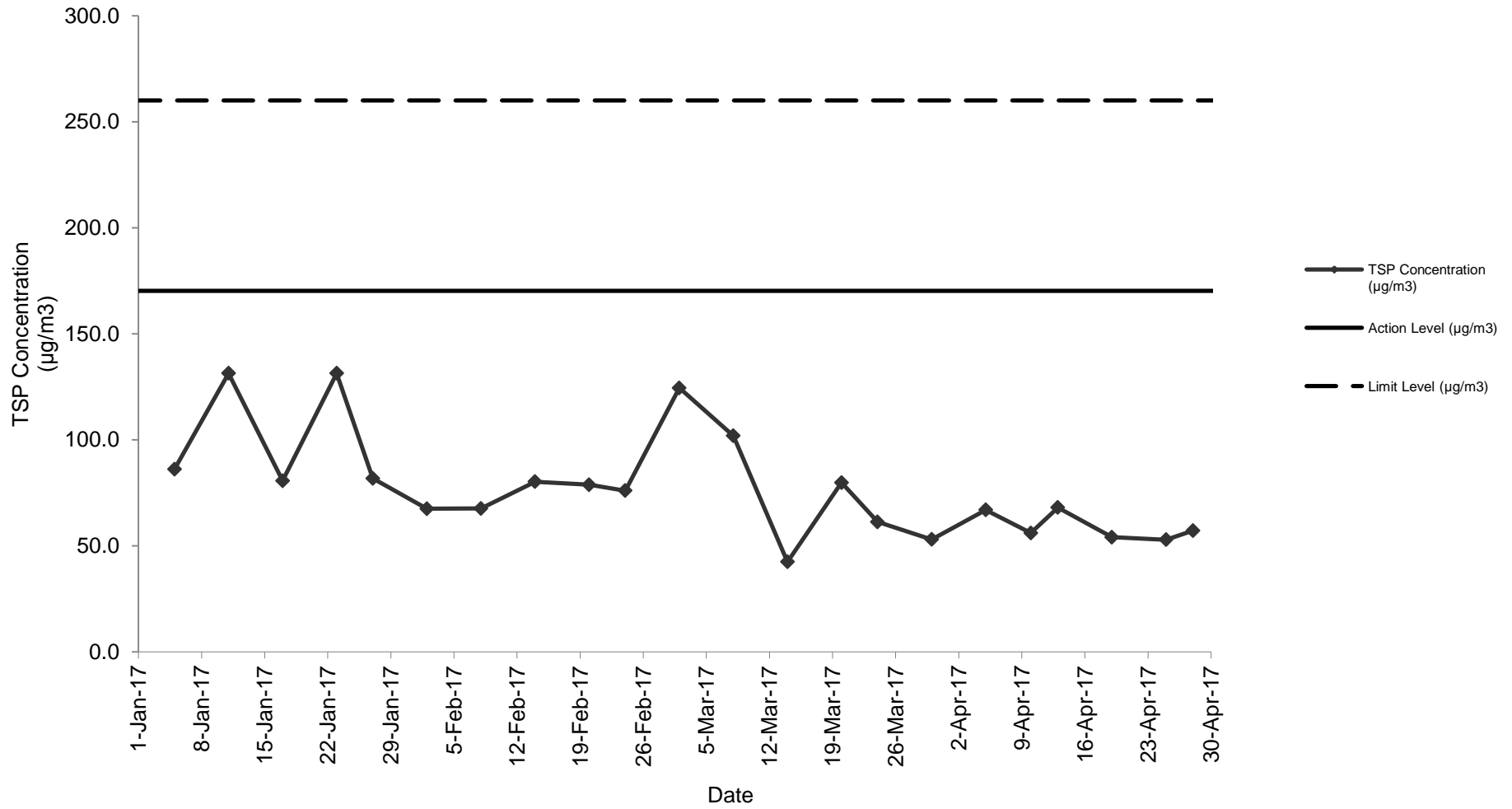
Appendix E
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

| Sampling Date | Weather Condition | Paper No. | Wt. of paper (g) | | | Elapse Time | | | Flow Rate (CFM) | | | Flow Rate (m ³ /min) | | | Total Volume (m ³) | TSP Concentration (µg/m ³) | Action Level (µg/m ³) | Limit Level (µg/m ³) | Wind speed m/s | Wind direction |
|---------------|-------------------|-----------|------------------|-----------|-------------|-------------|---------|---------------|-----------------|-------|---------------|---------------------------------|-------|---------------|--------------------------------|--|-----------------------------------|----------------------------------|----------------|----------------|
| | | | Initial Wt. | Final Wt. | Wt. of Dust | Initial | Final | Sampling Hour | Initial | Final | Avg Flow Rate | Initial | Final | Avg Flow Rate | | | | | | |
| 5-Jan-17 | Cloudy | 272 | 2.9021 | 3.0813 | 0.1792 | 5845.67 | 5869.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 86.2 | 170.3 | 260.0 | <5 | N |
| 11-Jan-17 | Cloudy | 274 | 2.9053 | 3.1785 | 0.2732 | 5872.67 | 5896.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 131.4 | 170.3 | 260.0 | <5 | N |
| 17-Jan-17 | Cloudy | 276 | 2.8730 | 3.0408 | 0.1678 | 5899.67 | 5923.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 80.7 | 170.3 | 260.0 | <5 | N |
| 23-Jan-17 | Sunny | 278 | 2.9053 | 3.1785 | 0.2732 | 5926.67 | 5950.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 131.4 | 170.3 | 260.0 | <5 | N |
| 27-Jan-17 | Cloudy | CC5 | 2.8708 | 3.0409 | 0.1701 | 5953.67 | 5977.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 81.8 | 170.3 | 260.0 | <5 | N |
| 2-Feb-17 | Fine | CC6 | 2.8670 | 3.0074 | 0.1404 | 5980.67 | 6004.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 67.5 | 170.3 | 260.0 | <5 | N |
| 8-Feb-17 | Fine | CC8 | 2.8619 | 3.0026 | 0.1407 | 6007.67 | 6031.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 67.7 | 170.3 | 260.0 | <5 | N |
| 14-Feb-17 | Sunny | CC10 | 2.8398 | 3.0067 | 0.1669 | 6034.67 | 6058.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 80.3 | 170.3 | 260.0 | <5 | N |
| 20-Feb-17 | Sunny | CC12 | 2.8563 | 3.0202 | 0.1639 | 6061.67 | 6085.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 78.8 | 170.3 | 260.0 | <5 | N |
| 24-Feb-17 | Cloudy | CC14 | 2.8631 | 3.0212 | 0.1581 | 6088.67 | 6112.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 76.0 | 170.3 | 260.0 | <5 | N |
| 2-Mar-17 | Sunny | CC16 | 2.8606 | 3.1194 | 0.2588 | 6115.67 | 6139.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 124.4 | 170.3 | 260.0 | <5 | N |
| 8-Mar-17 | Fine | CC18 | 2.8936 | 3.1055 | 0.2119 | 6142.67 | 6166.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 101.9 | 170.3 | 260.0 | <5 | N |
| 14-Mar-17 | Cloudy | CC20 | 2.9093 | 2.9976 | 0.0883 | 6169.67 | 6193.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 42.5 | 170.3 | 260.0 | <5 | N |
| 20-Mar-17 | Sunny | CC22 | 2.9181 | 3.0841 | 0.1660 | 6196.67 | 6220.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 79.8 | 170.3 | 260.0 | <5 | N |
| 24-Mar-17 | Sunny | CC24 | 2.9002 | 3.0277 | 0.1275 | 6223.67 | 6247.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 61.3 | 170.3 | 260.0 | <5 | N |
| 30-Mar-17 | Sunny | CC26 | 2.9595 | 3.0698 | 0.1103 | 6250.67 | 6274.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 53.0 | 170.3 | 260.0 | <5 | N |
| 5-Apr-17 | Fine | CC28 | 2.9007 | 3.0399 | 0.1392 | 6277.67 | 6301.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 66.9 | 170.3 | 260.0 | <5 | N |
| 10-Apr-17 | Cloudy | CC30 | 2.8960 | 3.0126 | 0.1166 | 6304.67 | 6328.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 56.1 | 170.3 | 260.0 | <5 | N |
| 13-Apr-17 | Fine | CC32 | 2.8663 | 3.0079 | 0.1416 | 6331.67 | 6355.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 68.1 | 170.3 | 260.0 | <5 | N |
| 19-Apr-17 | Sunny | CC34 | 2.8840 | 2.9965 | 0.1125 | 6358.67 | 6382.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 54.1 | 170.3 | 260.0 | <5 | N |
| 25-Apr-17 | Cloudy | CC36 | 2.8690 | 2.9790 | 0.1100 | 6385.67 | 6409.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 52.9 | 170.3 | 260.0 | <5 | N |
| 28-Apr-17 | Sunny | CC38 | 2.8575 | 2.9765 | 0.1190 | 6412.67 | 6436.67 | 24.00 | 51 | 51 | 51.0 | 1.44 | 1.44 | 1.44 | 2079.59 | 57.2 | 170.3 | 260.0 | <5 | N |

| Summary For the Reporting Quarter (February 2017 - April 2017) | |
|---|-------|
| Average | 69.9 |
| Minimum | 42.5 |
| Maximum | 124.4 |

24-Hour TSP Monitoring Result at Station: SR77 (January 2017 - April 2017)



Appendix E

Air Quality Monitoring Results and their Graphical Presentation

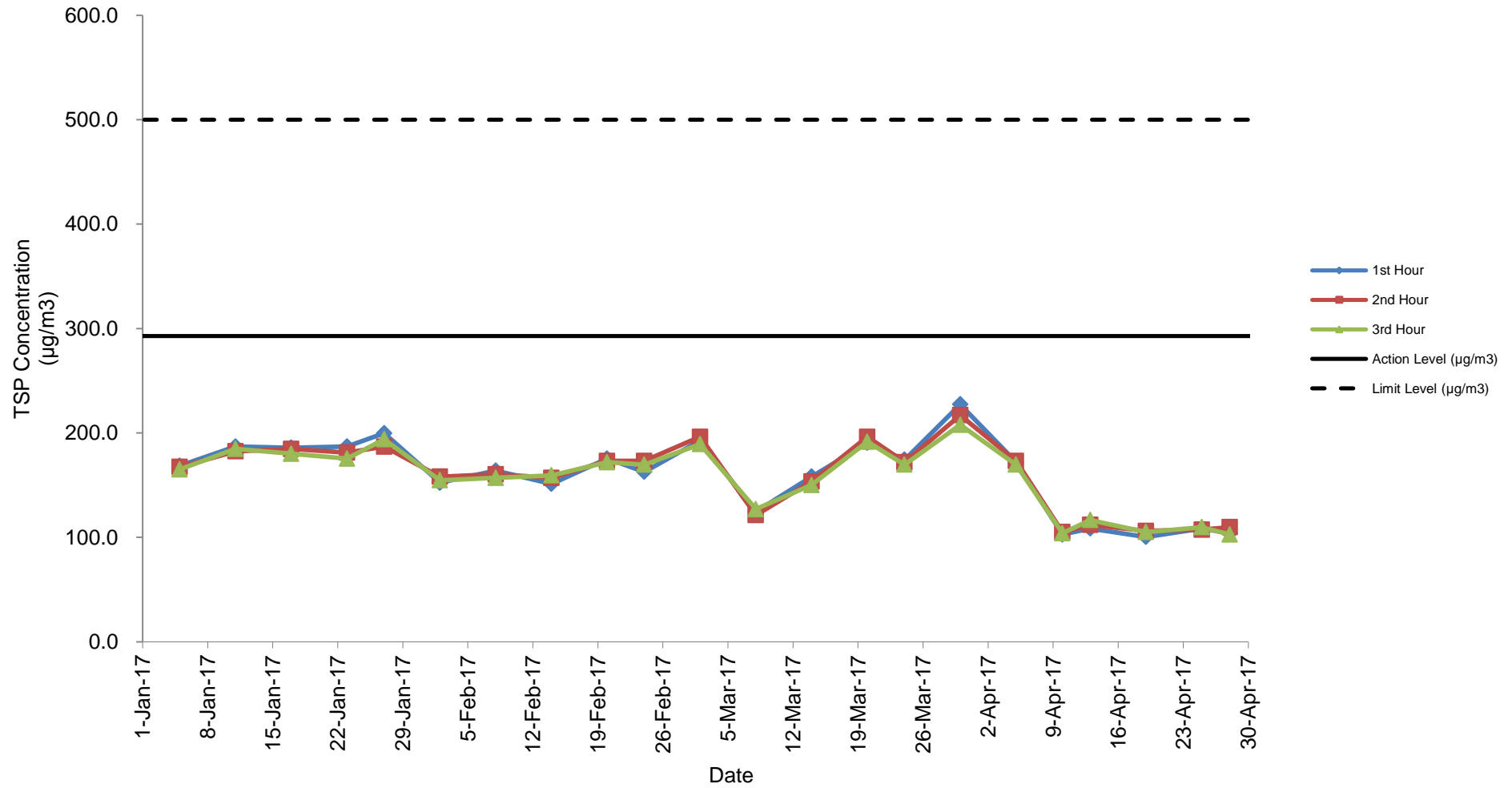
1-Hour TSP Monitoring Result at Station: SR77

| Date | Weather Condition | Time | Conc.(µg/m ³) | | | Action Level (µg/m ³) | Limit Level (µg/m ³) |
|-----------|-------------------|--------------|---------------------------|----------------------|----------------------|-----------------------------------|----------------------------------|
| | | | 1 st Hour | 2 nd Hour | 3 rd Hour | | |
| 5-Jan-17 | Cloudy | 9:00 - 12:07 | 168.5 | 167.3 | 165.0 | 292.7 | 500.0 |
| 11-Jan-17 | Cloudy | 9:00 - 12:07 | 187.0 | 182.3 | 184.7 | 292.7 | 500.0 |
| 17-Jan-17 | Cloudy | 9:00 - 12:06 | 185.8 | 184.7 | 180.0 | 292.7 | 500.0 |
| 23-Jan-17 | Sunny | 9:00 - 12:06 | 187.0 | 181.2 | 175.4 | 292.7 | 500.0 |
| 27-Jan-17 | Cloudy | 9:00 - 12:07 | 199.7 | 187.0 | 193.9 | 292.7 | 500.0 |
| 2-Feb-17 | Fine | 9:00 - 12:09 | 152.3 | 158.1 | 154.6 | 292.7 | 500.0 |
| 8-Feb-17 | Fine | 9:00 - 12:06 | 163.9 | 160.4 | 157.0 | 292.7 | 500.0 |
| 14-Feb-17 | Sunny | 9:00 - 12:07 | 151.2 | 157.0 | 159.3 | 292.7 | 500.0 |
| 20-Feb-17 | Sunny | 9:00 - 12:06 | 175.4 | 173.1 | 172.0 | 292.7 | 500.0 |
| 24-Feb-17 | Cloudy | 9:00 - 12:06 | 162.7 | 173.1 | 169.6 | 292.7 | 500.0 |
| 2-Mar-17 | Sunny | 9:00 - 12:08 | 192.7 | 196.2 | 189.3 | 292.7 | 500.0 |
| 8-Mar-17 | Fine | 9:00 - 12:06 | 124.6 | 121.2 | 126.9 | 292.7 | 500.0 |
| 14-Mar-17 | Cloudy | 9:00 - 12:08 | 158.1 | 153.5 | 150.0 | 292.7 | 500.0 |
| 20-Mar-17 | Sunny | 9:00 - 12:06 | 190.4 | 196.2 | 191.6 | 292.7 | 500.0 |
| 24-Mar-17 | Sunny | 9:00 - 12:08 | 174.3 | 172.0 | 169.6 | 292.7 | 500.0 |
| 30-Mar-17 | Sunny | 9:00 - 12:06 | 227.4 | 217.0 | 207.7 | 292.7 | 500.0 |
| 5-Apr-17 | Sunny | 9:00 - 12:05 | 172.0 | 173.1 | 169.6 | 292.7 | 500.0 |
| 10-Apr-17 | Fine | 9:00 - 12:06 | 102.7 | 105.0 | 103.9 | 292.7 | 500.0 |
| 13-Apr-17 | Cloudy | 9:00 - 12:08 | 108.5 | 111.9 | 116.6 | 292.7 | 500.0 |
| 19-Apr-17 | Sunny | 9:00 - 12:08 | 100.4 | 106.2 | 105.0 | 292.7 | 500.0 |
| 25-Apr-17 | Cloudy | 9:00 - 12:08 | 108.5 | 107.3 | 109.6 | 292.7 | 500.0 |
| 28-Apr-17 | Sunny | 9:00 - 12:08 | 103.9 | 109.6 | 102.7 | 292.7 | 500.0 |

| Summary For the Reporting Quarter (February 2017 - April 2017) | |
|---|-------|
| Average | 151.3 |
| Minimum | 100.4 |
| Maximum | 227.4 |

Note: No major dust source observed during the monitoring period

1-Hour TSP Monitoring Result at station: SR77 (January 2017 - April 2017)

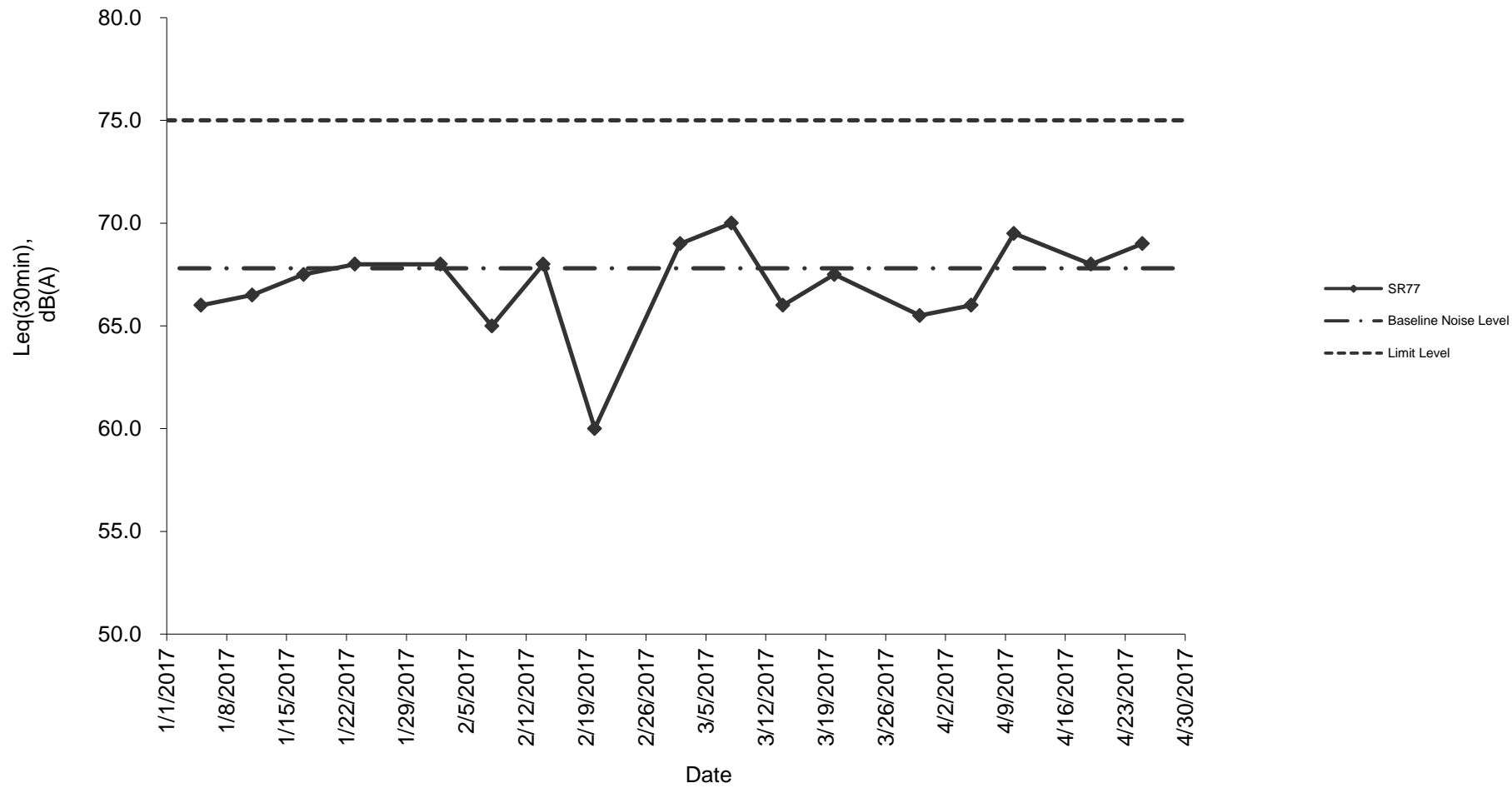


Noise Monitoring Result at SR77

| Date | Weather Condition | Start Time | End Time | Measured Noise Level (dB(A))* | | | Baseline Corrected Level, dB(A)** | Baseline Noise Level (dB(A)), Leq(30min) | Limit Level dB(A) | Exceedance (Y / N) |
|------------|-------------------|------------|----------|-------------------------------|------------|------------|-----------------------------------|--|-------------------|--------------------|
| | | | | L10(30min) | L90(30min) | Leq(30min) | | | | |
| 2017/01/05 | Cloudy | 11:30 | 12:00 | 90.5 | 54.0 | 66.0 | - | 67.8 | 75.0 | N |
| 2017/01/11 | Cloudy | 11:30 | 12:00 | 90.0 | 63.5 | 66.5 | - | 67.8 | 75.0 | N |
| 2017/01/17 | Cloudy | 11:30 | 12:00 | 85.5 | 66.5 | 67.5 | - | 67.8 | 75.0 | N |
| 2017/01/23 | Sunny | 11:30 | 12:00 | 91.0 | 66.0 | 68.0 | - | 67.8 | 75.0 | N |
| 2017/02/02 | Fine | 11:30 | 12:00 | 87.0 | 65.0 | 68.0 | - | 67.8 | 75.0 | N |
| 2017/02/08 | Fine | 11:30 | 12:00 | 95.0 | 59.0 | 65.0 | - | 67.8 | 75.0 | N |
| 2017/02/14 | Sunny | 11:30 | 12:00 | 98.0 | 61.0 | 68.0 | - | 67.8 | 75.0 | N |
| 2017/02/20 | Sunny | 11:30 | 12:00 | 93.0 | 55.0 | 60.0 | - | 67.8 | 75.0 | N |
| 2017/03/02 | Sunny | 11:30 | 12:00 | 93.0 | 61.0 | 69.0 | - | 67.8 | 75.0 | N |
| 2017/03/08 | Fine | 11:30 | 12:00 | 97.0 | 65.0 | 70.0 | - | 67.8 | 75.0 | N |
| 2017/03/14 | Cloudy | 11:30 | 12:00 | 95.0 | 62.0 | 66.0 | - | 67.8 | 75.0 | N |
| 2017/03/20 | Sunny | 11:03 | 11:33 | 99.0 | 62.5 | 67.5 | - | 67.8 | 75.0 | N |
| 2017/03/30 | Sunny | 11:30 | 12:00 | 97.0 | 58.0 | 65.5 | - | 67.8 | 75.0 | N |
| 2017/04/05 | Sunny | 11:30 | 12:00 | 93.5 | 58.0 | 66.0 | - | 67.8 | 75.0 | N |
| 2017/04/10 | Fine | 11:30 | 12:00 | 95.0 | 63.0 | 69.5 | - | 67.8 | 75.0 | N |
| 2017/04/19 | Sunny | 11:30 | 12:00 | 98.0 | 65.0 | 68.0 | - | 67.8 | 75.0 | N |
| 2017/04/25 | Cloudy | 11:30 | 12:00 | 89.0 | 59.0 | 69.0 | - | 67.8 | 75.0 | N |

| Summary For the Reporting Quarter (February 2017 - April 2017) | |
|---|------|
| Average | 67.0 |
| Minimum | 60.0 |
| Maximum | 70.0 |

Noise monitoring result: SR77 (January 2017 - April 2017)



Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 2/1/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:07 | <0.5 | 20.8 | 6.3 | 7.4 | 83.2 | 14.4 | <0.1 | 11 |
| C3b | 11:32 | <0.5 | 20.0 | 6.6 | 7.6 | 83.3 | 7.6 | <0.1 | 3.85 |
| I5 | 11:48 | <0.5 | 20.8 | 7.0 | 7.9 | 88.6 | 6.3 | <0.1 | 2.8 |

Date of Monitoring: 2/3/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:08 | <0.5 | 18.9 | 6.4 | 7.2 | 77.5 | 12.9 | <0.1 | 13.05 |
| C3b | 11:36 | <0.5 | 18.7 | 6.7 | 8.0 | 85.2 | 7.5 | <0.1 | 3.65 |
| I5 | 11:50 | <0.5 | 19.1 | 6.9 | 7.4 | 79.5 | 5.6 | <0.1 | 2.8 |

Date of Monitoring: 2/6/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:22 | <0.5 | 22.2 | 6.4 | 7.7 | 88.2 | 21.4 | <0.1 | 25.5 |
| C3b | 11:44 | <0.5 | 20.5 | 6.6 | 7.2 | 80.0 | 7.5 | <0.1 | 5.8 |
| I5 | 11:56 | <0.5 | 21.5 | 6.8 | 6.8 | 77.4 | 5.7 | <0.1 | <2.5 |

Date of Monitoring: 2/8/2017 Weather: Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 8:44 | <0.5 | 18.4 | 6.3 | 5.7 | 60.3 | 14.3 | <0.1 | 17.95 |
| C3b | 9:09 | <0.5 | 18.3 | 6.5 | 6.6 | 70.1 | 7.6 | <0.1 | 5.75 |
| I5 | 9:22 | <0.5 | 18.3 | 6.8 | 5.2 | 55.0 | 6.1 | <0.1 | 3.2 |

Date of Monitoring: 2/10/2017 Weather: Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 12:26 | <0.5 | 16.9 | 6.6 | 8.6 | 88.5 | 17.0 | <0.1 | 18 |
| C3b | 11:50 | <0.5 | 16.1 | 6.5 | 9.3 | 94.5 | 11.2 | <0.1 | 7.3 |
| I5 | 12:01 | <0.5 | 15.2 | 6.7 | 8.5 | 85.1 | 8.1 | <0.1 | 5.9 |

Date of Monitoring: 2/13/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:17 | <0.5 | 19.1 | 6.4 | 8.6 | 93.1 | 18.2 | <0.1 | 14 |
| C3b | 11:46 | <0.5 | 18.2 | 6.6 | 7.8 | 83.2 | 8.5 | <0.1 | 4.15 |
| I5 | 11:56 | <0.5 | 18.0 | 7.1 | 8.1 | 85.3 | 6.4 | <0.1 | <2.5 |

Date of Monitoring: 2/15/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 10:54 | <0.5 | 18.8 | 6.6 | 9.7 | 103.7 | 24.4 | <0.1 | 34.5 |
| C3b | 11:10 | <0.5 | 18.1 | 6.8 | 8.1 | 86.3 | 10.0 | <0.1 | 14.5 |
| I5 | 11:23 | <0.5 | 18.5 | 7.2 | 7.6 | 80.7 | 11.1 | <0.1 | 15 |

Date of Monitoring: 2/17/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:07 | <0.5 | 21.4 | 6.7 | 8.9 | 101.1 | 17.4 | <0.1 | 16.5 |
| C3b | 11:31 | <0.5 | 20.5 | 6.9 | 8.2 | 91.0 | 8.6 | <0.1 | 10.5 |
| I5 | 11:42 | <0.5 | 21.0 | 7.0 | 8.8 | 98.8 | 12.4 | <0.1 | 10.35 |

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 2/20/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:28 | <0.5 | 22.9 | 7.1 | 8.4 | 85.0 | 12.9 | <0.1 | 11.5 |
| C3b | 11:57 | <0.5 | 21.5 | 7.1 | 9.0 | 92.1 | 9.0 | <0.1 | 12 |
| I5 | 12:08 | <0.5 | 22.2 | 7.3 | 8.3 | 82.4 | 5.7 | <0.1 | 4.75 |

Date of Monitoring: 2/22/2017 Weather: Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:27 | <0.5 | 21.1 | 7.0 | 8.6 | 95.6 | 32.8 | <0.1 | 24.5 |
| C3b | 11:49 | <0.5 | 20.7 | 7.1 | 8.8 | 98.8 | 12.6 | <0.1 | 10.25 |
| I5 | 12:01 | <0.5 | 22.0 | 7.2 | 9.1 | 103.8 | 23.5 | <0.1 | 14 |

Date of Monitoring: 2/24/2017 Weather: Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:22 | <0.5 | 15.7 | 6.6 | 9.5 | 95.7 | 13.2 | <0.1 | 12.5 |
| C3b | 11:46 | <0.5 | 15.6 | 7.1 | 8.3 | 83.5 | 29.5 | <0.1 | 21.5 |
| I5 | 11:59 | <0.5 | 14.9 | 7.3 | 9.2 | 91.4 | 6.9 | <0.1 | 5.95 |

Date of Monitoring: 2/27/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | pH | DO (mg/L) | DO (% saturation) | Turbidity (NTU) | Salinity (g/L) | SS (mg/L) |
|---------------------|-------|-----------------|------------------|---------------|---------------|-------------------|-----------------|----------------|---------------|
| | | | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value | Average Value |
| C3a | 11:36 | <0.5 | 19.3 | 7.0 | 8.5 | 91.7 | 31.6 | <0.1 | 38 |
| C3b | 11:56 | <0.5 | 18.3 | 7.1 | 8.0 | 85.3 | 8.2 | <0.1 | 9 |
| I5 | 12:09 | <0.5 | 20.3 | 7.2 | 7.9 | 87.5 | 24.7 | <0.1 | 15 |

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 3/1/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:19 | <0.5 | 20.3 | 20.3 | 6.5 | 6.5 | 8.0 | 8.3 | 88.3 | 91.2 | 21.5 | 21.5 | <0.1 | <0.1 | 21.0 | 21.0 |
| | | | 20.3 | | 6.5 | | 8.5 | | 94.0 | | 21.5 | | | | | |
| C3b | 11:43 | <0.5 | 19.4 | 19.4 | 6.9 | 6.9 | 8.6 | 8.6 | 94.1 | 93.9 | 10.1 | 10.1 | <0.1 | <0.1 | 7.7 | 9.4 |
| | | | 19.4 | | 6.9 | | 8.6 | | 93.7 | | 10.1 | | | | | |
| I5 | 11:59 | <0.5 | 19.9 | 19.9 | 7.1 | 7.1 | 7.9 | 8.1 | 87.3 | 89.0 | 15.2 | 15.2 | <0.1 | <0.1 | 8.9 | 8.6 |
| | | | 19.9 | | 7.1 | | 8.2 | | 90.7 | | 15.2 | | | | | |

Date of Monitoring: 3/3/2017 Weather : Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 12:08 | <0.5 | 21.6 | 21.6 | 6.7 | 6.7 | 7.9 | 8.2 | 89.6 | 92.7 | 25.5 | 25.5 | <0.1 | <0.1 | 15 | 17.0 |
| | | | 21.6 | | 6.7 | | 8.4 | | 95.8 | | 25.5 | | | | | |
| C3b | 12:30 | <0.5 | 19.8 | 19.8 | 6.9 | 6.9 | 8.2 | 8.5 | 90.2 | 93.0 | 7.6 | 7.6 | <0.1 | <0.1 | 7.5 | 7.4 |
| | | | 19.8 | | 6.9 | | 8.7 | | 95.7 | | 7.6 | | | | | |
| I5 | 12:41 | <0.5 | 21.3 | 21.3 | 7.1 | 7.1 | 7.4 | 7.8 | 83.9 | 88.0 | 22.5 | 22.5 | <0.1 | <0.1 | 15 | 15.5 |
| | | | 21.3 | | 7.1 | | 8.1 | | 92.1 | | 22.5 | | | | | |

Date of Monitoring: 3/6/2017 Weather : Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 15:11 | <0.5 | 24.4 | 24.4 | 6.7 | 6.7 | 8.0 | 8.0 | 91.1 | 91.5 | 20.4 | 20.4 | <0.1 | <0.1 | 7.3 | 9.7 |
| | | | 24.4 | | 6.7 | | 8.0 | | 91.8 | | 20.4 | | | | | |
| C3b | 15:32 | <0.5 | 21.9 | 21.9 | 6.9 | 6.9 | 8.1 | 8.1 | 92.6 | 92.9 | 9.1 | 9.1 | <0.1 | <0.1 | 4 | 4.0 |
| | | | 21.9 | | 6.9 | | 8.1 | | 93.1 | | 9.1 | | | | | |
| I5 | 15:45 | <0.5 | 23.3 | 23.3 | 7.1 | 7.1 | 7.9 | 7.9 | 88.6 | 88.2 | 16.4 | 16.4 | <0.1 | <0.1 | 11 | 11.0 |
| | | | 23.3 | | 7.1 | | 7.9 | | 87.8 | | 16.4 | | | | | |

Date of Monitoring: 3/8/2017 Weather : Rainy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:34 | <0.5 | 18.2 | 18.2 | 6.8 | 6.8 | 8.6 | 9.0 | 91.1 | 95.3 | 43.5 | 43.5 | <0.1 | <0.1 | 29 | 28.0 |
| | | | 18.2 | | 6.8 | | 9.4 | | 99.5 | | 43.5 | | | | | |
| C3b | 11:55 | <0.5 | 18.2 | 18.2 | 6.9 | 6.9 | 9.0 | 8.8 | 95.7 | 93.7 | 20.4 | 20.4 | <0.1 | <0.1 | 12 | 12.0 |
| | | | 18.2 | | 6.9 | | 8.6 | | 91.7 | | 20.4 | | | | | |
| I5 | 12:10 | <0.5 | 18.3 | 18.3 | 7.1 | 7.1 | 8.3 | 8.3 | 89.3 | 89.3 | 40.9 | 40.9 | <0.1 | <0.1 | 33 | 33.5 |
| | | | 18.3 | | 7.1 | | 8.3 | | 89.3 | | 40.9 | | | | | |

Date of Monitoring: 3/10/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:18 | <0.5 | 19.6 | 19.6 | 6.4 | 6.4 | 8.9 | 8.8 | 102.1 | 100.2 | 22.1 | 22.1 | <0.1 | <0.1 | 16 | 16.0 |
| | | | 19.6 | | 6.4 | | 8.6 | | 98.3 | | 22.1 | | | | | |
| C3b | 11:43 | <0.5 | 19.4 | 19.4 | 6.8 | 6.8 | 8.5 | 8.5 | 96.1 | 95.9 | 12.6 | 12.6 | <0.1 | <0.1 | 4.7 | 5.2 |
| | | | 19.4 | | 6.8 | | 8.5 | | 95.6 | | 12.6 | | | | | |
| I5 | 11:58 | <0.5 | 19.3 | 19.3 | 7.1 | 7.1 | 8.2 | 8.2 | 89.7 | 89.9 | 10.3 | 10.3 | <0.1 | <0.1 | 15 | 15.5 |
| | | | 19.3 | | 7.1 | | 8.2 | | 90.1 | | 10.3 | | | | | |

Date of Monitoring: 3/13/2017 Weather : Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:08 | <0.5 | 22.7 | 22.7 | 6.4 | 6.4 | 8.8 | 8.8 | 102.3 | 102.1 | 30.9 | 30.9 | <0.1 | <0.1 | 19 | 18.5 |
| | | | 22.7 | | 6.4 | | 8.8 | | 101.9 | | 30.9 | | | | | |
| C3b | 11:34 | <0.5 | 22.5 | 22.5 | 6.8 | 6.8 | 8.6 | 8.6 | 98.9 | 98.5 | 9.0 | 9.0 | <0.1 | <0.1 | 3.6 | 4.7 |
| | | | 22.5 | | 6.8 | | 8.6 | | 98.1 | | 9.0 | | | | | |
| I5 | 11:47 | <0.5 | 22.2 | 22.2 | 6.9 | 6.9 | 8.2 | 8.2 | 88.4 | 88.7 | 11.5 | 11.5 | <0.1 | <0.1 | 16 | 16.5 |
| | | | 22.2 | | 6.9 | | 8.2 | | 88.9 | | 11.5 | | | | | |

Date of Monitoring: 3/15/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:56 | <0.5 | 19.0 | 19.0 | 7.9 | 7.9 | 6.9 | 6.9 | 73.9 | 73.9 | 38.4 | 38.4 | <0.1 | <0.1 | 5.8 | 7.3 |
| | | | 19.0 | | 7.9 | | 6.9 | | 73.9 | | 38.4 | | | | | |
| C3b | 12:17 | <0.5 | 18.4 | 18.4 | 7.7 | 7.7 | 7.1 | 7.1 | 75.8 | 75.8 | 8.4 | 8.4 | <0.1 | <0.1 | 4.1 | 3.9 |
| | | | 18.4 | | 7.7 | | 7.1 | | 75.8 | | 8.4 | | | | | |
| I5 | 12:28 | <0.5 | 19.3 | 19.3 | 7.8 | 7.8 | 7.1 | 7.1 | 77.5 | 77.5 | 9.0 | 9.0 | <0.1 | <0.1 | 5.0 | 5.2 |
| | | | 19.3 | | 7.8 | | 7.1 | | 77.5 | | 9.0 | | | | | |

Date of Monitoring: 3/17/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:41 | <0.5 | 19.4 | 19.4 | 7.0 | 7.0 | 8.1 | 8.0 | 88.0 | 87.0 | 29.5 | 29.5 | <0.1 | <0.1 | 32.0 | 29.5 |
| | | | 19.4 | | 7.0 | | 7.9 | | 86.0 | | 29.5 | | | | | |
| C3b | 12:04 | <0.5 | 19.3 | 19.3 | 7.3 | 7.3 | 8.8 | 8.8 | 95.7 | 95.3 | 3.6 | 3.6 | <0.1 | <0.1 | 4.9 | 5.4 |
| | | | 19.3 | | 7.3 | | 8.7 | | 94.8 | | 3.6 | | | | | |
| I5 | 12:15 | <0.5 | 19.4 | 19.4 | 7.6 | 7.6 | 8.8 | 8.4 | 96.2 | 92.1 | 2.0 | 2.0 | <0.1 | <0.1 | 3.2 | 3.1 |
| | | | 19.4 | | 7.6 | | 8.0 | | 87.9 | | 2.0 | | | | | |

Date of Monitoring: 3/20/2017 Weather : Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 10:49 | <0.5 | 23.7 | 23.7 | 7.3 | 7.3 | 6.8 | 6.8 | 80.8 | 80.8 | 27.7 | 27.7 | <0.1 | <0.1 | 20.0 | 22.0 |
| | | | 23.7 | | 7.3 | | 6.8 | | 80.8 | | 27.7 | | | | | |
| C3b | 11:15 | <0.5 | 23.0 | 23.0 | 7.3 | 7.3 | 6.3 | 6.3 | 73.8 | 73.8 | 5.5 | 5.5 | <0.1 | <0.1 | 5.3 | 5.0 |
| | | | 23.0 | | 7.3 | | 6.3 | | 73.8 | | 5.5 | | | | | |
| I5 | 11:26 | <0.5 | 24.6 | 24.6 | 7.4 | 7.4 | 7.9 | 7.9 | 95.3 | 95.3 | 5.0 | 5.0 | <0.1 | <0.1 | 3.9 | 3.5 |
| | | | 24.6 | | 7.4 | | 7.9 | | 95.3 | | 5.0 | | | | | |

Date of Monitoring: 3/22/2017 Weather : Rainy

NOTE:
Data in **Bold** denotes exceedance of respective Action Level
Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|------------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:54 | <0.5 | 19.9 | 19.9 | 7.3 | 7.3 | 5.5 | 5.5 | 60.1 | 60.1 | 27.7 | 27.7 | <0.1 | <0.1 | 30.0 | 34.0 |
| | | | 19.9 | | 7.3 | | 5.5 | | 60.1 | | 27.7 | | <0.1 | | 38.0 | |
| C3b | 12:13 | <0.5 | 19.9 | 19.9 | 7.3 | 7.3 | 6.5 | 6.5 | 71.4 | 71.4 | 4.2 | 4.2 | <0.1 | <0.1 | 4.2 | 4.5 |
| | | | 19.9 | | 7.3 | | 6.5 | | 71.4 | | 4.2 | | <0.1 | | 4.7 | |
| I5 | 12:22 | <0.5 | 20.4 | 20.4 | 7.6 | 7.6 | 6.4 | 6.4 | 71.2 | 71.2 | 3.8 | 3.8 | <0.1 | <0.1 | 3.2 | 3.2 |
| | | | 20.4 | | 7.6 | | 6.4 | | 71.2 | | 3.8 | | <0.1 | | 3.1 | |

Date of Monitoring: 3/24/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:37 | <0.5 | 26.1 | 26.1 | 7.1 | 7.1 | 6.6 | 6.6 | 81.6 | 81.6 | 24.2 | 24.2 | <0.1 | <0.1 | 11.0 | 15.5 |
| | | | 26.1 | | 7.1 | | 6.6 | | 81.6 | | 24.2 | | <0.1 | | 20.0 | |
| C3b | 12:01 | <0.5 | 23.4 | 23.4 | 7.0 | 7.0 | 6.5 | 6.5 | 76.2 | 76.2 | 5.2 | 5.2 | <0.1 | <0.1 | 4.1 | 4.2 |
| | | | 23.4 | | 7.0 | | 6.5 | | 76.2 | | 5.2 | | <0.1 | | 4.3 | |
| I5 | 12:12 | <0.5 | 26.9 | 26.9 | 7.3 | 7.3 | 10.2 | 10.2 | 128.0 | 128.0 | 3.9 | 3.9 | <0.1 | <0.1 | 4.2 | 4.1 |
| | | | 26.9 | | 7.3 | | 10.2 | | 128.0 | | 3.9 | | <0.1 | | 4.0 | |

Date of Monitoring: 3/27/2017 Weather: Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 13:34 | <0.5 | 23.7 | 23.7 | 6.5 | 6.5 | 7.2 | 7.2 | 84.9 | 84.9 | 15.8 | 15.8 | <0.1 | <0.1 | 9.4 | 11.2 |
| | | | 23.7 | | 6.5 | | 7.2 | | 84.9 | | 15.8 | | <0.1 | | 13.0 | |
| C3b | 13:50 | <0.5 | 20.8 | 20.8 | 6.9 | 6.9 | 6.8 | 6.8 | 76.4 | 76.4 | 6.8 | 6.8 | <0.1 | <0.1 | 6.2 | 6.9 |
| | | | 20.8 | | 6.9 | | 6.8 | | 76.4 | | 6.8 | | <0.1 | | 7.5 | |
| I5 | 14:00 | <0.5 | 21.9 | 21.9 | 7.2 | 7.2 | 7.7 | 7.7 | 87.9 | 87.9 | 2.2 | 2.2 | <0.1 | <0.1 | 3.3 | 3.8 |
| | | | 21.9 | | 7.2 | | 7.7 | | 87.9 | | 2.2 | | <0.1 | | 4.3 | |

Date of Monitoring: 3/29/2017 Weather: Rainy

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|------------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:16 | <0.5 | 21.9 | 21.9 | 6.2 | 6.2 | 5.9 | 5.9 | 66.8 | 66.8 | 28.6 | 28.6 | <0.1 | <0.1 | 24.0 | 25.5 |
| | | | 21.9 | | 6.2 | | 5.9 | | 66.8 | | 28.6 | | <0.1 | | 27.0 | |
| C3b | 11:28 | <0.5 | 21.4 | 21.4 | 6.6 | 6.6 | 6.6 | 6.6 | 74.8 | 74.8 | 19.1 | 19.1 | <0.1 | <0.1 | 9.5 | 9.2 |
| | | | 21.4 | | 6.6 | | 6.6 | | 74.8 | | 19.1 | | <0.1 | | 8.8 | |
| I5 | 11:34 | <0.5 | 21.8 | 21.8 | 6.9 | 6.9 | 6.3 | 6.3 | 71.5 | 71.5 | 18.4 | 18.4 | <0.1 | <0.1 | 16.0 | 15.5 |
| | | | 21.8 | | 6.9 | | 6.3 | | 71.5 | | 18.4 | | <0.1 | | 15.0 | |

Date of Monitoring: 3/31/2017 Weather: Rainy

| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|-------------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 12:06 | <0.5 | 22.2 | 22.2 | 6.3 | 6.3 | 5.5 | 5.5 | 63.4 | 63.4 | 78.7 | 78.7 | <0.1 | <0.1 | 20.0 | 30.0 |
| | | | 22.2 | | 6.3 | | 5.5 | | 63.4 | | 78.7 | | <0.1 | | 40.0 | |
| C3b | 12:32 | <0.5 | 22.2 | 22.2 | 6.4 | 6.4 | 6.4 | 6.4 | 73.1 | 73.1 | 34.6 | 34.6 | <0.1 | <0.1 | 13.0 | 13.5 |
| | | | 22.2 | | 6.4 | | 6.4 | | 73.1 | | 34.6 | | <0.1 | | 14.0 | |
| I5 | 12:42 | <0.5 | 22.2 | 22.2 | 6.7 | 6.7 | 6.7 | 6.7 | 76.6 | 76.6 | 66.1 | 66.1 | <0.1 | <0.1 | 41.0 | 40.5 |
| | | | 22.2 | | 6.7 | | 6.7 | | 76.6 | | 66.1 | | <0.1 | | 40.0 | |

NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 4/3/2017 Weather : Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 12:19 | <0.5 | 25.0 | 25.0 | 5.9 | 5.9 | 7.1 | 7.1 | 86.2 | 86.2 | 31.6 | 31.6 | <0.1 | <0.1 | 11.0 | 11.0 |
| | | | 25.0 | | 5.9 | | 7.1 | | 86.2 | | 31.6 | | | | | |
| C3b | 12:43 | <0.5 | 22.5 | 22.5 | 6.2 | 6.2 | 6.5 | 6.5 | 74.7 | 74.7 | 10.9 | 10.9 | <0.1 | <0.1 | 13.0 | 14.0 |
| | | | 22.5 | | 6.2 | | 6.5 | | 74.7 | | 10.9 | | | | | |
| I5 | 12:54 | <0.5 | 23.8 | 23.8 | 6.7 | 6.7 | 8.5 | 8.5 | 100.0 | 100.0 | 12.7 | 12.7 | <0.1 | <0.1 | 6.2 | 6.0 |
| | | | 23.8 | | 6.7 | | 8.5 | | 100.0 | | 12.7 | | | | | |

Date of Monitoring: 4/5/2017 Weather : Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:58 | <0.5 | 27.2 | 27.2 | 6.2 | 6.2 | 6.5 | 6.5 | 82.4 | 82.4 | 24.6 | 24.6 | <0.1 | <0.1 | 13 | 15.0 |
| | | | 27.2 | | 6.2 | | 6.5 | | 82.4 | | 24.6 | | | | | |
| C3b | 12:19 | <0.5 | 24.7 | 24.7 | 6.4 | 6.4 | 6.1 | 6.1 | 73.5 | 73.5 | 9.9 | 9.9 | <0.1 | <0.1 | 6.3 | 5.8 |
| | | | 24.7 | | 6.4 | | 6.1 | | 73.5 | | 9.9 | | | | | |
| I5 | 12:28 | <0.5 | 26.1 | 26.1 | 6.7 | 6.7 | 7.9 | 7.9 | 97.1 | 97.1 | 7.0 | 7.0 | <0.1 | <0.1 | 3.8 | 3.7 |
| | | | 26.1 | | 6.7 | | 7.9 | | 97.1 | | 7.0 | | | | | |

Date of Monitoring: 4/7/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 12:43 | <0.5 | 27.2 | 27.2 | 6.1 | 6.1 | 5.4 | 5.4 | 68.6 | 68.6 | 135.0 | 135.0 | <0.1 | <0.1 | 120 | 120.0 |
| | | | 27.2 | | 6.1 | | 5.4 | | 68.6 | | 135.0 | | | | | |
| C3b | 13:00 | <0.5 | 24.8 | 24.8 | 5.9 | 5.9 | 5.8 | 5.8 | 70.4 | 70.4 | 13.2 | 13.2 | <0.1 | <0.1 | 13 | 11.0 |
| | | | 24.8 | | 5.9 | | 5.8 | | 70.4 | | 13.2 | | | | | |
| I5 | 13:11 | <0.5 | 25.6 | 25.6 | 6.6 | 6.6 | 7.8 | 7.8 | 95.9 | 95.9 | 7.0 | 7.0 | <0.1 | <0.1 | 3.9 | 5.0 |
| | | | 25.6 | | 6.6 | | 7.8 | | 95.9 | | 7.0 | | | | | |

Date of Monitoring: 4/10/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 12:07 | <0.5 | 25.6 | 25.6 | 6.0 | 6.0 | 5.1 | 5.1 | 62.3 | 62.3 | 67.5 | 67.5 | <0.1 | <0.1 | 74 | 78.0 |
| | | | 25.6 | | 6.0 | | 5.1 | | 62.3 | | 67.5 | | | | | |
| C3b | 12:32 | <0.5 | 24.6 | 24.6 | 6.2 | 6.2 | 5.4 | 5.4 | 65.2 | 65.2 | 10.2 | 10.2 | <0.1 | <0.1 | 6.6 | 6.5 |
| | | | 24.6 | | 6.2 | | 5.4 | | 65.2 | | 10.2 | | | | | |
| I5 | 12:45 | <0.5 | 25.3 | 25.3 | 6.6 | 6.6 | 7.1 | 7.1 | 86.2 | 86.2 | 6.5 | 6.5 | <0.1 | <0.1 | 6 | 5.3 |
| | | | 25.3 | | 6.6 | | 7.1 | | 86.2 | | 6.5 | | | | | |

Date of Monitoring: 4/12/2017 Weather : Rainy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 10:30 | <0.5 | 22.7 | 22.7 | 6.0 | 6.0 | 5.1 | 5.1 | 63.4 | 63.4 | 56.0 | 55.8 | <0.1 | <0.1 | 50 | 53.0 |
| | | | 22.7 | | 6.0 | | 5.1 | | 63.4 | | 56.0 | | | | | |
| C3b | 10:57 | <0.5 | 21.1 | 21.1 | 6.9 | 6.9 | 5.6 | 5.6 | 66.7 | 66.7 | 26.3 | 26.6 | <0.1 | <0.1 | 28 | 30.0 |
| | | | 21.1 | | 6.9 | | 5.6 | | 66.7 | | 26.8 | | | | | |
| I5 | 11:10 | <0.5 | 21.3 | 21.3 | 7.3 | 7.3 | 7.2 | 7.2 | 87.9 | 87.9 | 9.9 | 9.7 | <0.1 | <0.1 | 5.7 | 5.9 |
| | | | 21.3 | | 7.3 | | 7.2 | | 87.9 | | 9.4 | | | | | |

Date of Monitoring: 4/18/2017 Weather : Sunny

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 12:40 | <0.5 | 29.2 | 29.2 | 6.2 | 6.2 | 6.1 | 6.1 | 79.3 | 79.3 | 28.2 | 28.2 | <0.1 | <0.1 | 19 | 19.5 |
| | | | 29.2 | | 6.2 | | 6.1 | | 79.3 | | 28.2 | | | | | |
| C3b | 12:59 | <0.5 | 26.8 | 26.8 | 6.6 | 6.6 | 5.8 | 5.8 | 72.2 | 72.2 | 15.2 | 15.2 | <0.1 | <0.1 | 6.1 | 7.3 |
| | | | 26.8 | | 6.6 | | 5.8 | | 72.2 | | 15.2 | | | | | |
| I5 | 13:11 | <0.5 | 27.7 | 27.7 | 6.8 | 6.8 | 6.7 | 6.7 | 85.3 | 85.3 | 6.9 | 6.9 | <0.1 | <0.1 | 2.5 | 3.1 |
| | | | 27.7 | | 6.8 | | 6.7 | | 85.3 | | 6.9 | | | | | |

Date of Monitoring: 4/20/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 10:41 | <0.5 | 27.1 | 27.1 | 5.8 | 5.8 | 5.3 | 5.3 | 66.4 | 66.4 | 29.6 | 29.6 | <0.1 | <0.1 | 24.0 | 26.5 |
| | | | 27.1 | | 5.8 | | 5.3 | | 66.4 | | 29.6 | | | | | |
| C3b | 10:57 | <0.5 | 25.9 | 25.9 | 6.5 | 6.5 | 5.5 | 5.5 | 67.3 | 67.3 | 18.6 | 18.6 | <0.1 | <0.1 | 18.0 | 17.0 |
| | | | 25.9 | | 6.5 | | 5.5 | | 67.3 | | 18.6 | | | | | |
| I5 | 11:07 | <0.5 | 26.3 | 26.3 | 6.7 | 6.7 | 5.9 | 5.9 | 73.3 | 73.3 | 8.3 | 8.3 | <0.1 | <0.1 | 5.7 | 5.6 |
| | | | 26.3 | | 6.7 | | 5.9 | | 73.3 | | 8.3 | | | | | |

Date of Monitoring: 4/22/2017 Weather : Rainy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 10:26 | <0.5 | 22.2 | 22.2 | 6.8 | 6.8 | 5.4 | 5.4 | 62.3 | 62.3 | 46.5 | 46.5 | <0.1 | <0.1 | 26.0 | 25.5 |
| | | | 22.2 | | 6.8 | | 5.4 | | 62.3 | | 46.5 | | | | | |
| C3b | 10:48 | <0.5 | 21.6 | 21.6 | 6.8 | 6.8 | 6.8 | 6.8 | 77.6 | 77.6 | 49.8 | 49.8 | <0.1 | <0.1 | 23.0 | 24.0 |
| | | | 21.6 | | 6.8 | | 6.8 | | 77.6 | | 49.8 | | | | | |
| I5 | 11:11 | <0.5 | 19.6 | 19.6 | 6.9 | 6.9 | 8.6 | 8.6 | 93.6 | 93.6 | 31.2 | 31.2 | <0.1 | <0.1 | 19.0 | 19.5 |
| | | | 19.6 | | 6.9 | | 8.6 | | 93.6 | | 31.2 | | | | | |

Date of Monitoring: 4/24/2017 Weather : Cloudy

| Monitoring Location | Time | Water Depth (m) | Temperature (oC) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:06 | <0.5 | 23.5 | 23.5 | 6.5 | 6.5 | 5.7 | 5.7 | 67.0 | 67.0 | 45.6 | 45.6 | <0.1 | <0.1 | 36.0 | 38.5 |
| | | | 23.5 | | 6.5 | | 5.7 | | 67.0 | | 45.6 | | | | | |
| C3b | 11:21 | <0.5 | 22.4 | 22.4 | 7.1 | 7.1 | 6.9 | 6.9 | 79.8 | 79.8 | 25.2 | 25.2 | <0.1 | <0.1 | 12.0 | 12.0 |
| | | | 22.4 | | 7.1 | | 6.9 | | 79.8 | | 25.2 | | | | | |
| I5 | 11:31 | <0.5 | 22.6 | 22.6 | 7.1 | 7.1 | 6.0 | 6.0 | 69.1 | 69.1 | 16.9 | 16.9 | <0.1 | <0.1 | 14.0 | 13.5 |
| | | | 22.6 | | 7.1 | | 6.0 | | 69.1 | | 16.9 | | | | | |

Date of Monitoring: 4/26/2017 Weather : Cloudy

NOTE:
Data in **Bold** denotes exceedance of respective Action Level
Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

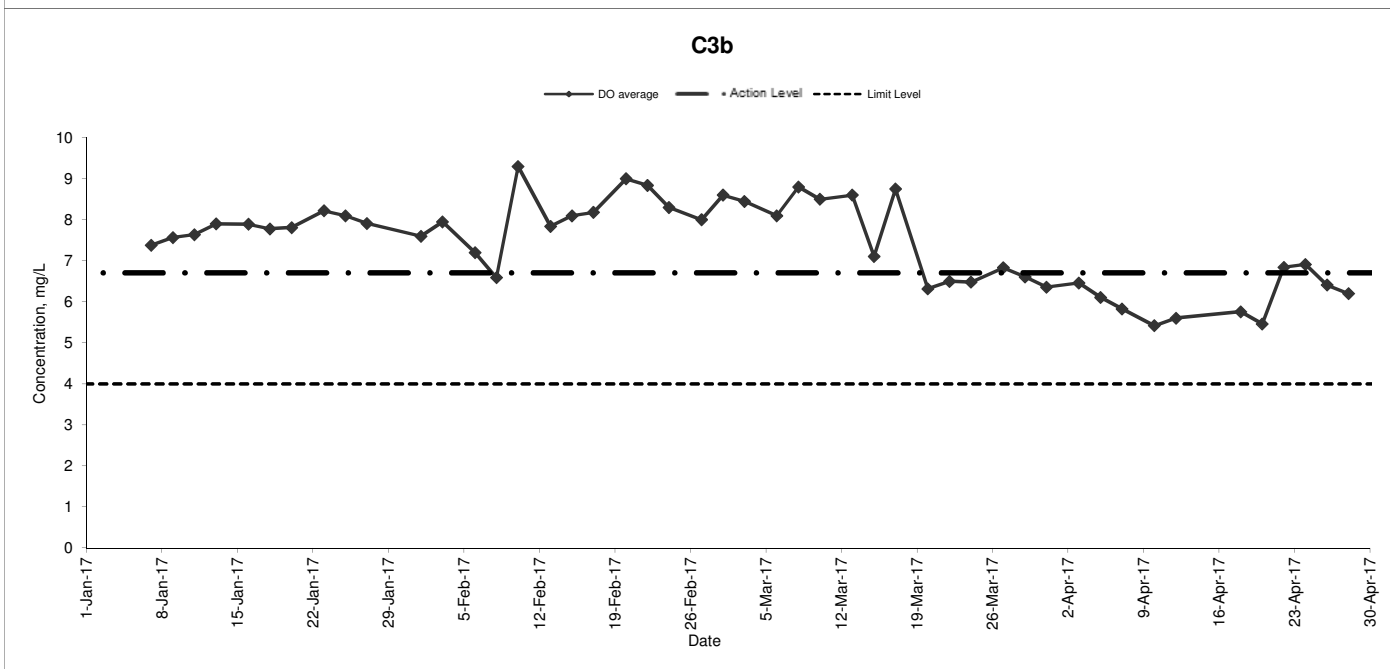
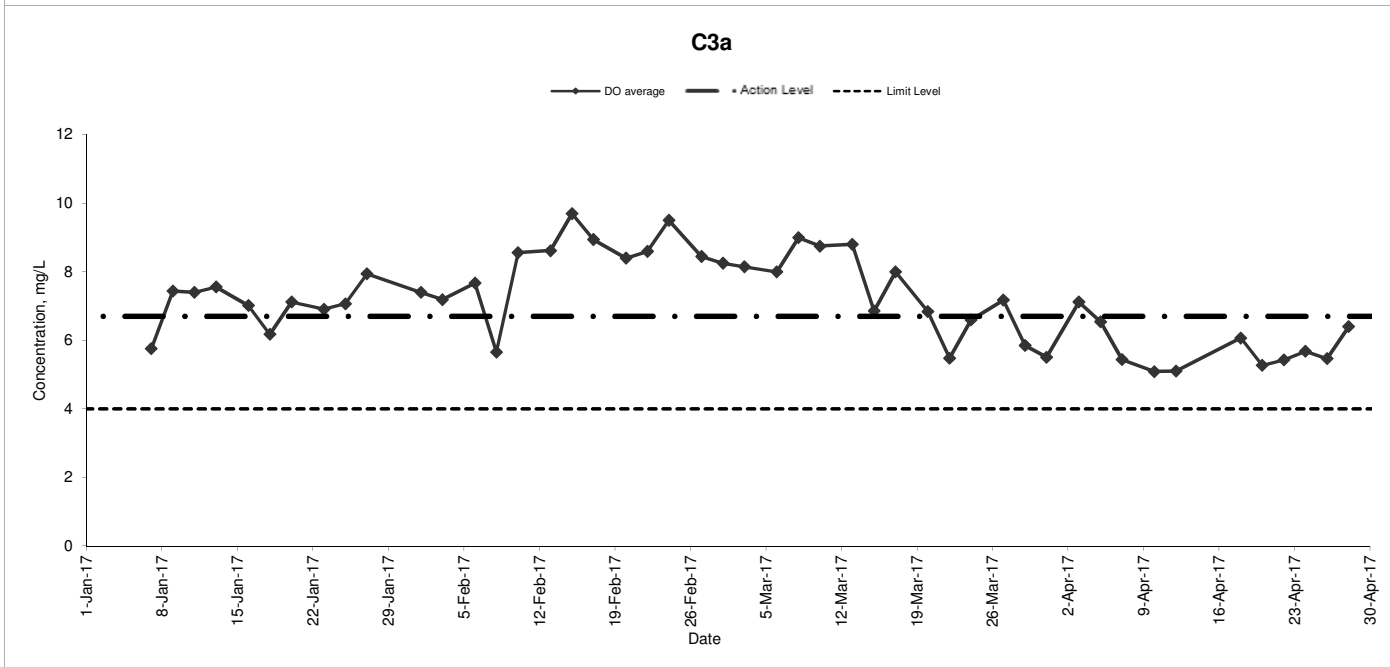
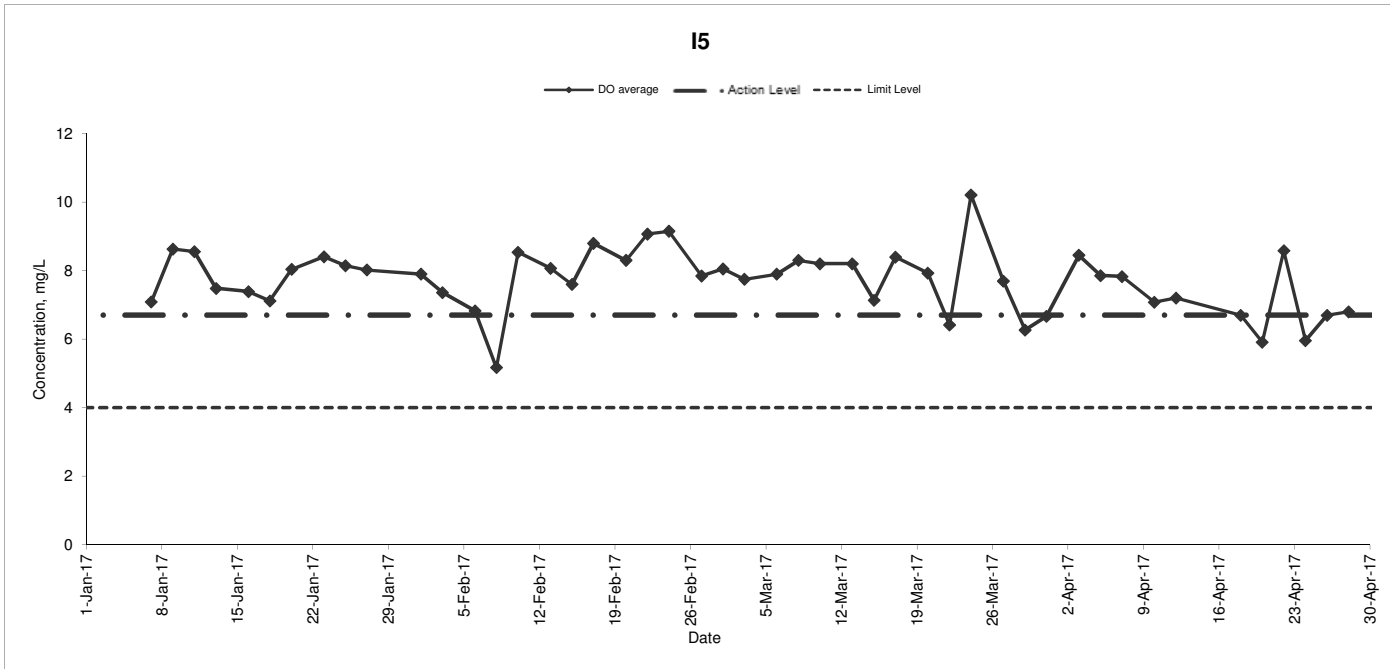
| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:57 | <0.5 | 24.9 | 24.9 | 8.0 | 8.0 | 5.5 | 5.5 | 66.1 | 66.1 | 37.2 | 37.2 | <0.1 | <0.1 | 21.0 | 19.5 |
| | | | 24.9 | | 8.0 | | 5.5 | | 66.1 | | 37.2 | | <0.1 | | 18.0 | |
| C3b | 12:14 | <0.5 | 24.4 | 24.4 | 7.7 | 7.7 | 6.4 | 6.4 | 76.7 | 76.7 | 18.0 | 18.0 | <0.1 | <0.1 | 14.0 | 12.5 |
| | | | 24.4 | | 7.7 | | 6.4 | | 76.7 | | 18.0 | | <0.1 | | 11.0 | |
| I5 | 12:24 | <0.5 | 25.2 | 25.2 | 7.4 | 7.4 | 6.7 | 6.7 | 82.1 | 82.1 | 13.5 | 13.5 | <0.1 | <0.1 | 4.5 | 4.7 |
| | | | 25.2 | | 7.4 | | 6.7 | | 82.1 | | 13.5 | | <0.1 | | 4.9 | |

Date of Monitoring: 4/28/2017 Weather : Sunny

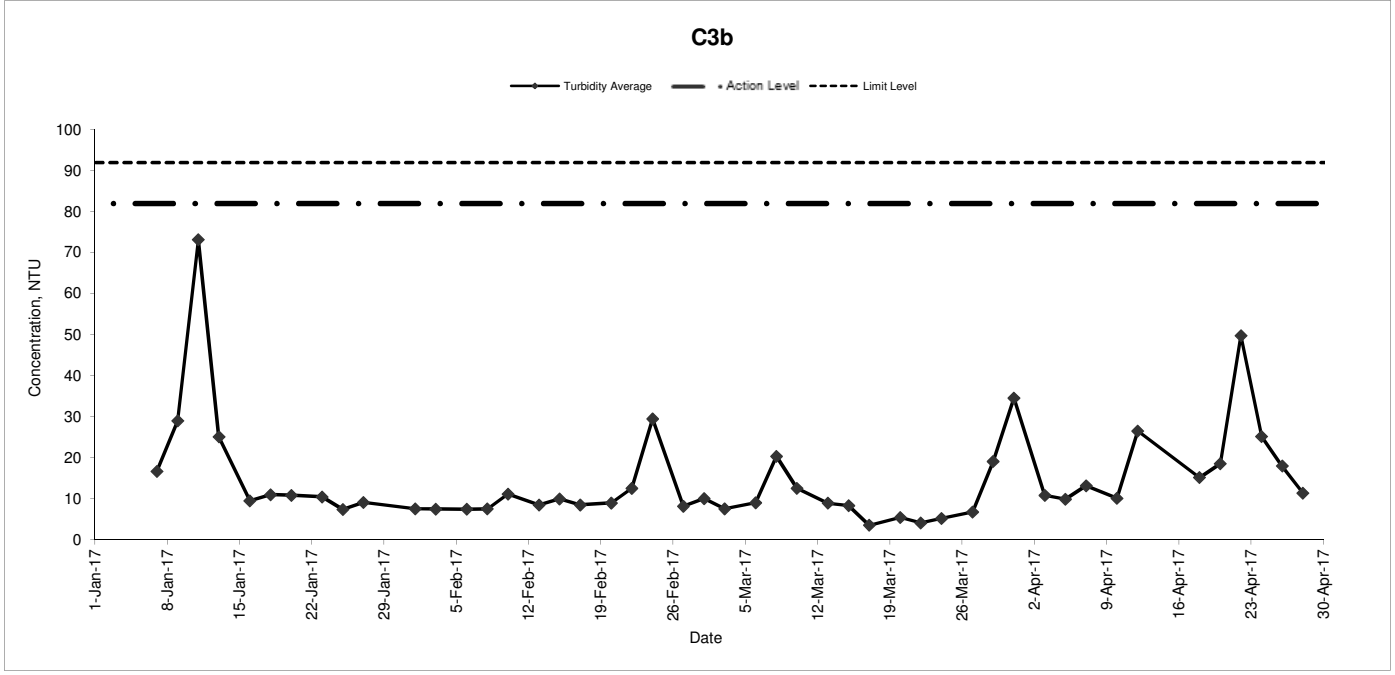
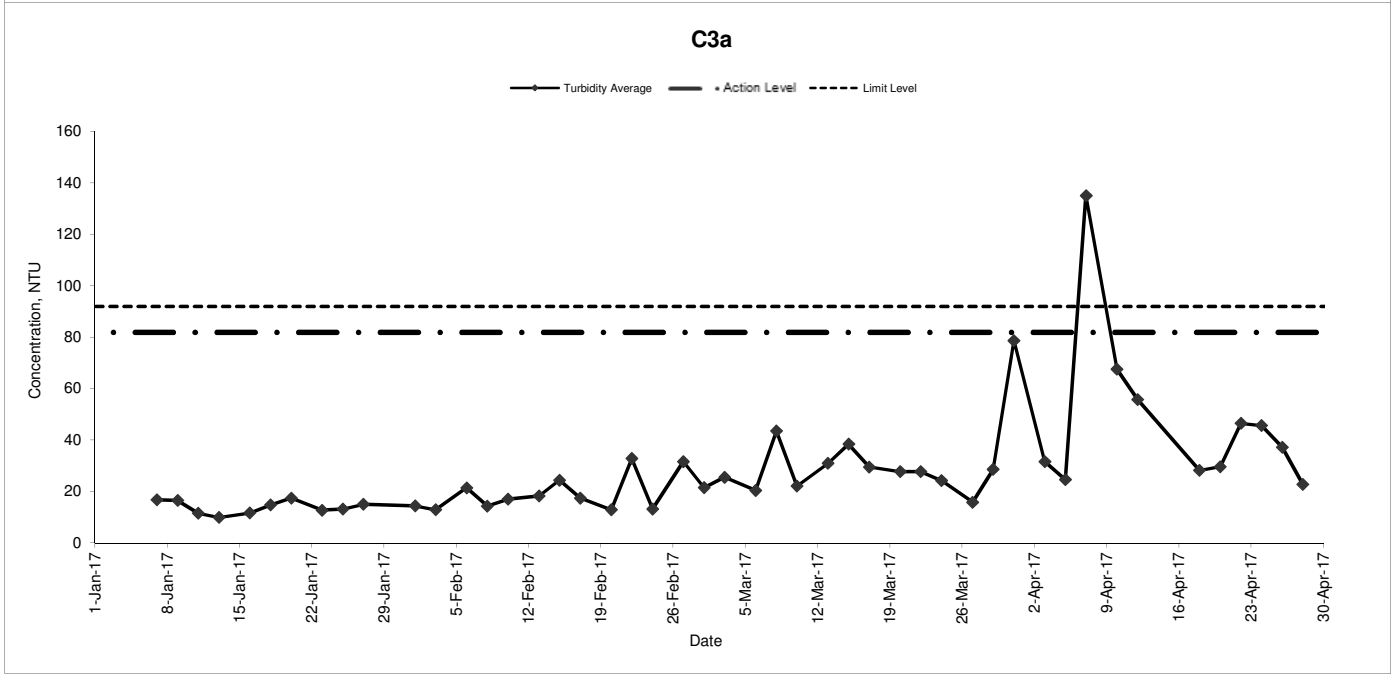
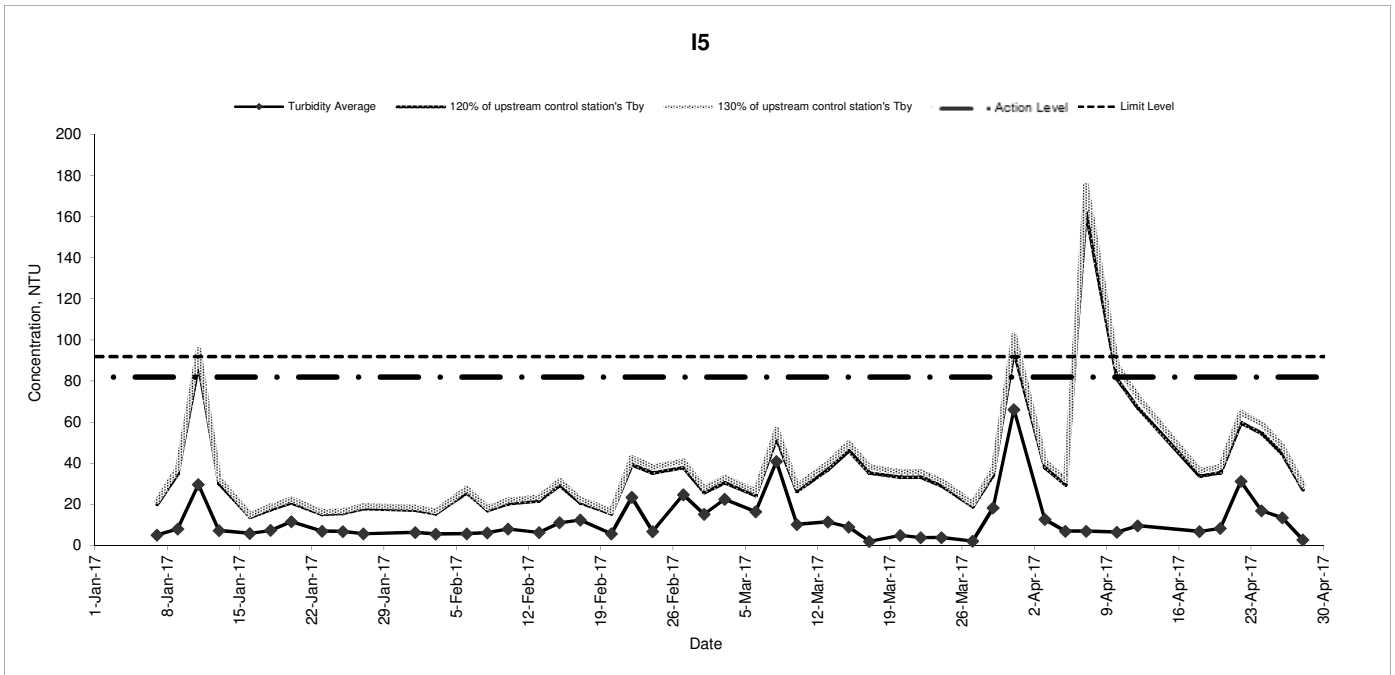
| Monitoring Location | Time | Water Depth (m) | Temperature (°C) | | pH | | DO (mg/L) | | DO (% saturation) | | Turbidity (NTU) | | Salinity (g/L) | | SS (mg/L) | |
|---------------------|-------|-----------------|------------------|---------|-------|---------|-----------|---------|-------------------|---------|-----------------|---------|----------------|---------|-----------|---------|
| | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average |
| C3a | 11:53 | <0.5 | 25.1 | 25.1 | 6.5 | 6.5 | 6.4 | 6.4 | 73.1 | 73.1 | 22.7 | 22.7 | <0.1 | <0.1 | 21.0 | 20.0 |
| | | | 25.1 | | 6.5 | | 6.4 | | 73.1 | | 22.7 | | <0.1 | | 19.0 | |
| C3b | 12:19 | <0.5 | 24.7 | 24.7 | 6.9 | 6.9 | 6.2 | 6.2 | 72.0 | 72.0 | 11.4 | 11.4 | <0.1 | <0.1 | 11.0 | 10.2 |
| | | | 24.7 | | 6.9 | | 6.2 | | 72.0 | | 11.4 | | <0.1 | | 9.4 | |
| I5 | 12:30 | <0.5 | 24.9 | 24.9 | 7.1 | 7.1 | 6.8 | 6.8 | 84.1 | 84.1 | 2.8 | 2.8 | <0.1 | <0.1 | 2.5 | 2.5 |
| | | | 24.9 | | 7.1 | | 6.8 | | 84.1 | | 2.8 | | <0.1 | | <2.5 | |

NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Dissolved Oxygen (January 2017 - April 2017)

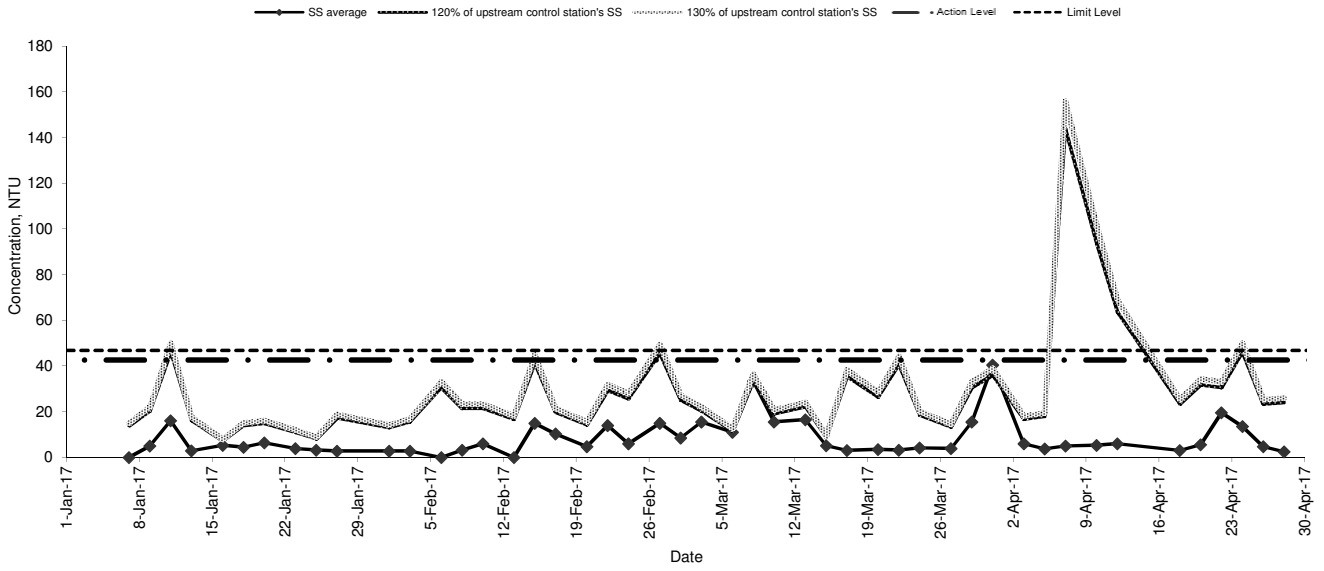


Turbidity (January 2017 - April 2017)

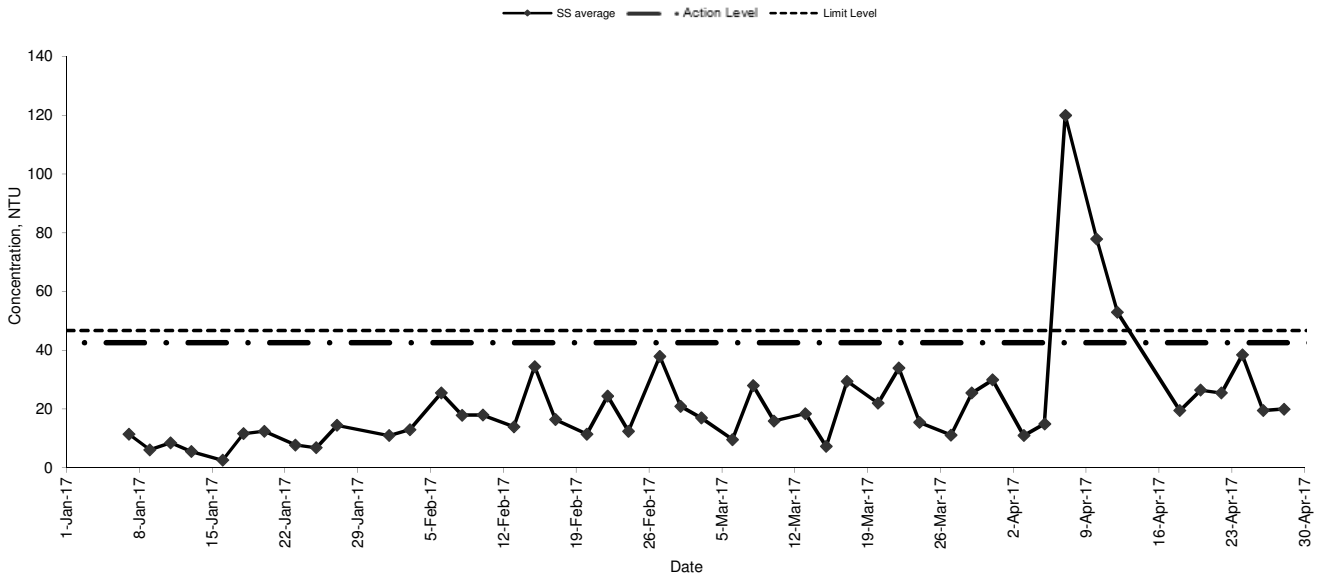


Suspended Solid (January 2017 - April 2017)

I5



C3a



C3b

