

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
|--------|----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 821928 | 1 | 840746 | 73.2 | 128.6 | Water | 2.88 | 2.88 | 0.53 |
| 822055 | 2 | 840722 | 72.3 | 121.4 | Water | 2.83 | 2.83 | 0.51 |
| 822174 | 3 | 840700 | 70.9 | 127.7 | Water | 2.78 | 2.78 | 0.49 |
| 822310 | 4 | 840675 | 72.9 | 118.2 | Water | 2.73 | 2.73 | 0.47 |
| 822427 | 5 | 840660 | 100.1 | 161.3 | Water | 2.68 | 2.68 | 0.45 |
| 822586 | 6 | 840631 | 103.7 | 153.2 | Water | 2.62 | 2.62 | 0.42 |
| 822751 | 7 | 840605 | 105.4 | 145.1 | Water | 2.55 | 2.55 | 0.39 |
| 822909 | 8 | 840558 | 107.4 | 121.3 | Water | 2.48 | 2.48 | 0.37 |
| 823014 | 9 | 840497 | 102.2 | 135.7 | Water | 2.43 | 2.43 | 0.35 |
| 823135 | 10 | 840433 | 99.6 | 139.4 | Water | 2.38 | 2.38 | 0.32 |
| 823274 | 11 | 840382 | 73.4 | 126.1 | Water | 2.32 | 2.32 | 0.30 |
| 823408 | 12 | 840386 | 65.80 | 133.50 | Water | 2.27 | 2.27 | 0.28 |
| 823539 | 13 | 840429 | 67.40 | 124.70 | Water | 2.21 | 2.21 | 0.25 |
| 823655 | 14 | 840476 | 63.90 | 114.20 | Water | 2.25 | 2.25 | 0.24 |
| 823756 | 15 | 840531 | 64.40 | 137.40 | Water | 2.30 | 2.30 | 0.24 |
| 823850 | 16 | 840631 | 65.80 | 110.90 | Water | 2.37 | 2.37 | 0.23 |
| 823881 | 17 | 840737 | 72.60 | 121.90 | Water | 2.42 | 2.42 | 0.23 |
| 823889 | 18 | 840859 | 75.10 | 134.10 | Water | 2.48 | 2.48 | 0.23 |
| 823872 | 19 | 841008 | 102.10 | 129.50 | Water | 2.56 | 2.56 | 0.22 |
| 823900 | 20 | 841147 | 101.90 | 129.50 | Water | 2.63 | 2.63 | 0.21 |
| 823946 | 21 | 841281 | 100.60 | 133.70 | Water | 2.70 | 2.70 | 0.21 |
| 824017 | 22 | 841413 | 93.90 | 137.60 | Water | 2.77 | 0.06 | 0.00 |
| 824117 | 23 | 841528 | 77.30 | 152.60 | Water | 2.84 | 0.06 | 0.00 |
| 824234 | 24 | 841646 | 76.00 | 104.60 | Water | 2.93 | 0.06 | 0.00 |
| 824319 | 25 | 841708 | 75.80 | 129.80 | Water | 2.98 | 0.06 | 0.00 |

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
|--------|----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 824430 | 26 | 841778 | 68.40 | 131.40 | Water | 3.04 | 0.06 | 0.00 |
| 824537 | 27 | 841855 | 68.50 | 103.50 | Water | 3.14 | 0.06 | 0.00 |
| 824632 | 28 | 841925 | 71.30 | 127.20 | Water | 3.51 | 0.07 | 0.00 |
| 824766 | 29 | 841991 | 75.27 | 131.04 | Water | 3.98 | 0.08 | 0.00 |
| 824896 | 30 | 842007 | 75.27 | 131.04 | Water | 4.40 | 0.09 | 0.00 |
| 825026 | 31 | 842023 | 75.27 | 131.25 | Water | 5.14 | 0.10 | 0.01 |
| 825161 | 32 | 842015 | 63.1 | 120.25 | Water | 5.90 | 0.12 | 0.01 |
| 825276 | 33 | 842048 | 63.1 | 120.25 | Water | 6.57 | 0.13 | 0.01 |
| 825393 | 34 | 842077 | 61.25 | 144 | Water | 7.25 | 0.15 | 0.01 |
| 825531 | 35 | 842124 | 56.13 | 90 | Water | 7.25 | 0.15 | 0.01 |
| 825605 | 36 | 842176 | 55.23 | 92 | Water | 5.95 | 0.12 | 0.01 |
| 825667 | 37 | 842244 | 55.41 | 100 | Water | 4.63 | 0.09 | 0.01 |
| 825711 | 38 | 842325 | 57.03 | 97.39 | Water | 3.32 | 0.07 | 0.01 |
| 825743 | 39 | 842417 | 57.03 | 97.39 | Water | 1.92 | 0.04 | 0.00 |
| 825773 | 40 | 842510 | 57.9 | 106.03 | Water | 0.51 | 0.01 | 0.00 |
| 825806 | 41 | 842611 | 57.9 | 106.03 | Water | 0.70 | 0.01 | 0.00 |
| 825839 | 42 | 842712 | 57.9 | 106.03 | Water | 0.90 | 0.02 | 0.00 |
| 825867 | 43 | 842814 | 59.65 | 134.62 | Water | 1.09 | 0.02 | 0.00 |
| 825909 | 44 | 842942 | 51 | 113.32 | Water | 1.33 | 0.03 | 0.00 |
| 825932 | 45 | 843054 | 54.34 | 132.43 | Water | 1.54 | 0.03 | 0.00 |
| 825991 | 46 | 843179 | 42.84 | 148.55 | Water | 5.25 | 0.11 | 0.00 |
| 826043 | 47 | 843339 | 51.95 | 138.51 | Water | 4.10 | 0.08 | 0.00 |
| 826148 | 48 | 843445 | 48.65 | 71.6 | Water | 3.07 | 0.06 | 0.00 |
| 826209 | 49 | 843514 | 62.29 | 86.19 | Water | 2.44 | 0.05 | 0.00 |
| 826297 | 50 | 843538 | 69.26 | 106.03 | Water | 1.82 | 0.04 | 0.00 |
| 826398 | 51 | 843569 | 69.26 | 106.03 | Water | 1.09 | 0.02 | 0.00 |
| 826512 | 52 | 843559 | 51.86 | 154.1 | Water | 1.37 | 0.03 | 0.00 |

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
|--------|----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 826659 | 53 | 843607 | 51.34 | 99.57 | Water | 1.75 | 0.04 | 0.00 |
| 826754 | 54 | 843636 | 50 | 101.18 | Water | 2.00 | 0.04 | 0.00 |
| 826844 | 55 | 843683 | 46.52 | 75.53 | Water | 2.24 | 0.04 | 0.01 |
| 826892 | 56 | 843742 | 51.19 | 94.13 | Water | 2.43 | 0.05 | 0.01 |
| 826944 | 57 | 843822 | 51.13 | 98.99 | Water | 2.40 | 2.40 | 0.27 |
| 826987 | 58 | 843913 | 52.67 | 99.58 | Water | 2.36 | 2.36 | 0.25 |
| 827047 | 59 | 844002 | 48.46 | 103.7 | Water | 2.33 | 2.33 | 0.24 |
| 827132 | 60 | 844081 | 41.16 | 103.1 | Water | 2.29 | 2.29 | 0.22 |
| 827231 | 61 | 844155 | 40.34 | 102.55 | Water | 2.24 | 2.24 | 0.20 |
| 827333 | 62 | 844170 | 40.34 | 102.55 | Water | 2.21 | 2.21 | 0.19 |
| 827440 | 63 | 844182 | 41.23 | 101.35 | Water | 2.17 | 2.17 | 0.17 |
| 827555 | 64 | 844186 | 45.29 | 100.33 | Water | 1.78 | 1.78 | 0.14 |
| 827664 | 65 | 844154 | 46.06 | 99.81 | Water | 1.39 | 1.39 | 0.11 |
| 827753 | 66 | 844087 | 43.96 | 95.55 | Water | 1.01 | 1.01 | 0.08 |
| 827793 | 67 | 843988 | 98.37 | 43.98 | Water | 0.65 | 0.65 | 0.05 |
| 827825 | 68 | 844017 | 99.45 | 26.44 | Water | 0.82 | 0.82 | 0.07 |
| 827889 | 69 | 843941 | 41.7 | 89.86 | Water | 1.22 | 1.22 | 0.10 |
| 827960 | 70 | 843886 | 43.52 | 88.52 | Water | 1.58 | 1.58 | 0.13 |
| 828049 | 71 | 843883 | 56.8 | 79.68 | Water | 1.82 | 1.82 | 0.19 |
| 828129 | 72 | 843877 | 54.76 | 98.46 | Water | 2.04 | 2.04 | 0.25 |
| 828226 | 73 | 843898 | 54.76 | 98.46 | Water | 2.30 | 2.30 | 0.32 |
| 828322 | 74 | 843920 | 57.25 | 99.97 | Water | 2.57 | 2.57 | 0.39 |
| 828421 | 75 | 843935 | 52.81 | 99.98 | Water | 2.84 | 2.84 | 0.46 |
| 828519 | 76 | 843961 | 57.1 | 110.4 | Water | 3.11 | 3.11 | 0.53 |
| 828632 | 77 | 843978 | 48.9 | 90.8 | Water | 3.42 | 3.42 | 0.61 |
| 828736 | 78 | 843992 | 52.9 | 82.5 | Water | 3.70 | 3.70 | 0.69 |
| 828826 | 79 | 843971 | 45.6 | 75.1 | Water | 3.85 | 3.85 | 0.74 |

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
|--------|-----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 828901 | 80 | 843943 | 45 | 70.4 | Water | 3.63 | 3.63 | 0.73 |
| 828964 | 81 | 843911 | 43.7 | 85.5 | Water | 3.43 | 3.43 | 0.72 |
| 829040 | 82 | 843873 | 43.6 | 85.2 | Water | 3.20 | 3.20 | 0.71 |
| 829118 | 83 | 843832 | 43.1 | 76.2 | Water | 2.95 | 2.95 | 0.70 |
| 829191 | 84 | 843786 | 40.9 | 72.9 | Water | 2.72 | 2.72 | 0.69 |
| 829253 | 85 | 843723 | 41.3 | 81.9 | Water | 2.47 | 2.47 | 0.68 |
| 829287 | 86 | 843644 | 40.8 | 77.4 | Water | 2.24 | 2.24 | 0.67 |
| 829311 | 87 | 843570 | 38.4 | 69.5 | Water | 2.03 | 2.03 | 0.66 |
| 829338 | 88 | 843506 | 37 | 64.8 | Water | 1.83 | 1.83 | 0.65 |
| 829378 | 89 | 843455 | 34.7 | 58 | Water | 1.66 | 1.66 | 0.64 |
| 829424 | 90 | 843419 | 33.9 | 60.2 | Water | 1.50 | 1.50 | 0.64 |
| 829474 | 91 | 843387 | 33.3 | 65.5 | Water | 1.33 | 1.33 | 0.63 |
| 821915 | 92 | 840674 | 54.4 | 129.1 | Water | 0.58 | 0.58 | 0.58 |
| 822042 | 93 | 840651 | 51.9 | 121.4 | Water | 0.58 | 0.58 | 0.58 |
| 822162 | 94 | 840630 | 54.3 | 120 | Water | 0.58 | 0.58 | 0.58 |
| 822287 | 95 | 840606 | 78.5 | 119.3 | Water | 0.58 | 0.58 | 0.58 |
| 822400 | 96 | 840563 | 97.1 | 168.4 | Water | 0.58 | 0.58 | 0.58 |
| 822566 | 97 | 840529 | 100.1 | 143.4 | Water | 0.58 | 0.58 | 0.58 |
| 822720 | 98 | 840504 | 94.2 | 128.1 | Water | 0.58 | 0.58 | 0.58 |
| 822859 | 99 | 840462 | 89.8 | 126 | Water | 0.58 | 0.58 | 0.58 |
| 822971 | 100 | 840404 | 89 | 150.2 | Water | 0.58 | 0.58 | 0.58 |
| 823105 | 101 | 840337 | 113.1 | 177.9 | Water | 0.58 | 0.58 | 0.58 |
| 823281 | 102 | 840309 | 111.1 | 147.9 | Water | 0.58 | 0.58 | 0.58 |
| 823428 | 103 | 840323 | 108.10 | 144.60 | Water | 0.58 | 0.58 | 0.58 |
| 823566 | 104 | 840367 | 104.80 | 131.90 | Water | 0.58 | 0.58 | 0.58 |
| 823687 | 105 | 840420 | 105.00 | 135.70 | Water | 0.58 | 0.58 | 0.58 |
| 823804 | 106 | 840488 | 100.60 | 158.00 | Water | 0.58 | 0.58 | 0.58 |

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
|--------|-----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 823912 | 107 | 840607 | 95.40 | 128.60 | Water | 0.58 | 0.58 | 0.58 |
| 823953 | 108 | 840731 | 88.70 | 123.30 | Water | 0.58 | 0.58 | 0.58 |
| 823964 | 109 | 840854 | 84.90 | 124.70 | Water | 0.58 | 0.58 | 0.58 |
| 823972 | 110 | 840988 | 58.30 | 122.50 | Water | 0.58 | 0.58 | 0.58 |
| 823997 | 111 | 841115 | 58.70 | 121.90 | Water | 0.58 | 0.58 | 0.58 |
| 824037 | 112 | 841238 | 59.20 | 124.60 | Water | 0.58 | 0.58 | 0.58 |
| 824094 | 113 | 841360 | 60.00 | 137.60 | Water | 0.58 | 0.01 | 0.01 |
| 824179 | 114 | 841481 | 59.90 | 133.60 | Water | 0.58 | 0.01 | 0.01 |
| 824279 | 115 | 841585 | 62.40 | 103.50 | Water | 0.58 | 0.01 | 0.01 |
| 824363 | 116 | 841646 | 64.30 | 129.80 | Water | 0.58 | 0.01 | 0.01 |
| 824469 | 117 | 841722 | 64.50 | 131.00 | Water | 0.58 | 0.01 | 0.01 |
| 824576 | 118 | 841799 | 70.70 | 98.70 | Water | 0.58 | 0.01 | 0.01 |
| 824668 | 119 | 841861 | 68.40 | 103.20 | Water | 0.58 | 0.01 | 0.01 |
| 824781 | 120 | 841917 | 75.27 | 131.25 | Water | 0.58 | 0.01 | 0.01 |
| 824912 | 121 | 841933 | 75.27 | 131.04 | Water | 0.58 | 0.01 | 0.01 |
| 825042 | 122 | 841949 | 75.27 | 131.04 | Water | 0.58 | 0.01 | 0.01 |
| 825176 | 123 | 841954 | 63.1 | 121.19 | Water | 0.58 | 0.01 | 0.01 |
| 825293 | 124 | 841987 | 63.1 | 121.19 | Water | 0.58 | 0.01 | 0.01 |
| 825410 | 125 | 842017 | 61.25 | 160 | Water | 0.58 | 0.01 | 0.01 |
| 825560 | 126 | 842075 | 56.13 | 102 | Water | 0.58 | 0.01 | 0.01 |
| 825643 | 127 | 842135 | 55.23 | 102 | Water | 0.51 | 0.01 | 0.01 |
| 825712 | 128 | 842212 | 55.41 | 101 | Water | 0.45 | 0.01 | 0.01 |
| 825763 | 129 | 842301 | 56.86 | 100 | Water | 0.38 | 0.01 | 0.01 |
| 825796 | 130 | 842396 | 56.86 | 106.47 | Water | 0.32 | 0.01 | 0.01 |
| 825828 | 131 | 842492 | 58.06 | 106.12 | Water | 0.25 | 0.01 | 0.01 |
| 825861 | 132 | 842593 | 58.06 | 106.12 | Water | 0.25 | 0.00 | 0.00 |
| 825894 | 133 | 842694 | 58.06 | 106.12 | Water | 0.25 | 0.00 | 0.00 |

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
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| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 825924 | 134 | 842796 | 60 | 134.62 | Water | 0.24 | 0.00 | 0.00 |
| 825958 | 135 | 842927 | 51 | 113.32 | Water | 0.24 | 0.00 | 0.00 |
| 825984 | 136 | 843037 | 54.34 | 132.43 | Water | 0.24 | 0.00 | 0.00 |
| 826032 | 137 | 843165 | 42.84 | 145.19 | Water | 0.23 | 0.00 | 0.00 |
| 826093 | 138 | 843317 | 51.7 | 171.35 | Water | 0.23 | 0.00 | 0.00 |
| 826185 | 139 | 843412 | 49.72 | 54.95 | Water | 0.22 | 0.00 | 0.00 |
| 826241 | 140 | 843459 | 62.2 | 73.2 | Water | 0.22 | 0.00 | 0.00 |
| 826317 | 141 | 843472 | 69.26 | 106.03 | Water | 0.22 | 0.00 | 0.00 |
| 826418 | 142 | 843503 | 69.26 | 106.03 | Water | 0.21 | 0.00 | 0.00 |
| 826528 | 143 | 843510 | 50.97 | 154.11 | Water | 0.21 | 0.00 | 0.00 |
| 826675 | 144 | 843558 | 51.56 | 99.57 | Water | 0.23 | 0.00 | 0.00 |
| 826772 | 145 | 843589 | 49.99 | 113.41 | Water | 0.24 | 0.00 | 0.00 |
| 826870 | 146 | 843644 | 43.88 | 88.54 | Water | 0.25 | 0.00 | 0.00 |
| 826932 | 147 | 843710 | 55.11 | 99.2 | Water | 0.26 | 0.01 | 0.01 |
| 826986 | 148 | 843794 | 51.14 | 98.99 | Water | 0.27 | 0.27 | 0.27 |
| 827030 | 149 | 843883 | 51.35 | 99.58 | Water | 0.28 | 0.28 | 0.28 |
| 827088 | 150 | 843974 | 46.77 | 89.78 | Water | 0.28 | 0.28 | 0.28 |
| 827159 | 151 | 844049 | 41.16 | 90.89 | Water | 0.29 | 0.29 | 0.29 |
| 827247 | 152 | 844117 | 40.34 | 97.51 | Water | 0.29 | 0.29 | 0.29 |
| 827343 | 153 | 844130 | 40.34 | 97.51 | Water | 0.30 | 0.30 | 0.30 |
| 827447 | 154 | 844141 | 41.23 | 91.19 | Water | 0.30 | 0.30 | 0.30 |
| 827552 | 155 | 844140 | 45.29 | 87.56 | Water | 0.45 | 0.45 | 0.45 |
| 827648 | 156 | 844111 | 46.11 | 86.65 | Water | 0.60 | 0.60 | 0.60 |
| 827726 | 157 | 844051 | 44.14 | 87.45 | Water | 0.74 | 0.74 | 0.74 |
| 827759 | 158 | 843958 | 98.37 | 43.96 | Water | 0.74 | 0.74 | 0.74 |
| 827858 | 159 | 843912 | 41.7 | 102.53 | Water | 0.74 | 0.74 | 0.74 |
| 827939 | 160 | 843848 | 44.53 | 102.57 | Water | 0.74 | 0.74 | 0.74 |

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|--------|-----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 828039 | 161 | 843826 | 56.8 | 97.98 | Water | 0.74 | 0.74 | 0.74 |
| 828141 | 162 | 843824 | 54.76 | 98.42 | Water | 0.74 | 0.74 | 0.74 |
| 828237 | 163 | 843844 | 54.76 | 98.42 | Water | 0.74 | 0.74 | 0.74 |
| 828334 | 164 | 843864 | 57.25 | 99.97 | Water | 0.74 | 0.74 | 0.74 |
| 828432 | 165 | 843884 | 52.81 | 99.98 | Water | 0.74 | 0.74 | 0.74 |
| 828531 | 166 | 843905 | 51.3 | 110.4 | Water | 0.74 | 0.74 | 0.74 |
| 828643 | 167 | 843931 | 50.2 | 85.5 | Water | 0.74 | 0.74 | 0.74 |
| 828741 | 168 | 843938 | 48.1 | 70 | Water | 0.74 | 0.74 | 0.74 |
| 828820 | 169 | 843925 | 45.6 | 65 | Water | 0.74 | 0.74 | 0.74 |
| 828885 | 170 | 843901 | 45.4 | 65.5 | Water | 0.74 | 0.74 | 0.74 |
| 828945 | 171 | 843872 | 45.2 | 85.1 | Water | 0.74 | 0.74 | 0.74 |
| 829022 | 172 | 843834 | 43.7 | 84.4 | Water | 0.74 | 0.74 | 0.74 |
| 829098 | 173 | 843794 | 41.5 | 74.4 | Water | 0.74 | 0.74 | 0.74 |
| 829170 | 174 | 843750 | 42.7 | 62.6 | Water | 0.74 | 0.74 | 0.74 |
| 829221 | 175 | 843692 | 41.8 | 66.6 | Water | 0.74 | 0.74 | 0.74 |
| 829250 | 176 | 843627 | 40.9 | 73.4 | Water | 0.74 | 0.74 | 0.74 |
| 829274 | 177 | 843558 | 40.9 | 72.5 | Water | 0.74 | 0.74 | 0.74 |
| 829304 | 178 | 843490 | 41.7 | 74.1 | Water | 0.74 | 0.74 | 0.74 |
| 829350 | 179 | 843433 | 42 | 66.7 | Water | 0.74 | 0.74 | 0.74 |
| 829403 | 180 | 843392 | 43.1 | 63.1 | Water | 0.74 | 0.74 | 0.74 |
| 829456 | 181 | 843358 | 42.6 | 71.5 | Water | 0.74 | 0.74 | 0.74 |
| 823272 | 182 | 840407 | 25.0 | 126.1 | Sediment | 0.66 | 0.66 | 0.66 |
| 823398 | 183 | 840419 | 35.0 | 133.5 | Sediment | 0.66 | 0.66 | 0.66 |
| 823524 | 184 | 840462 | 36.9 | 121.3 | Sediment | 0.66 | 0.66 | 0.66 |
| 823637 | 185 | 840508 | 37.0 | 103.3 | Sediment | 0.66 | 0.66 | 0.66 |
| 823729 | 186 | 840556 | 36.9 | 128.5 | Sediment | 0.66 | 0.66 | 0.66 |
| 823827 | 187 | 840641 | 25.1 | 103.2 | Sediment | 0.66 | 0.66 | 0.66 |

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| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 823856 | 188 | 840739 | 25.0 | 121.9 | Sediment | 0.66 | 0.66 | 0.66 |
| 823865 | 189 | 840861 | 25.0 | 143.6 | Sediment | 0.66 | 0.66 | 0.66 |
| 824097 | 190 | 841530 | 15.9 | 165.7 | Sediment | 0.66 | 0.01 | 0.01 |
| 824214 | 191 | 841650 | 15.2 | 118.0 | Sediment | 0.66 | 0.01 | 0.01 |
| 824310 | 192 | 841721 | 15.3 | 129.8 | Sediment | 0.66 | 0.01 | 0.01 |
| 824417 | 193 | 841795 | 21.4 | 132.0 | Sediment | 0.66 | 0.01 | 0.01 |
| 824525 | 194 | 841871 | 20.4 | 116.8 | Sediment | 0.66 | 0.01 | 0.01 |
| 824623 | 195 | 841944 | 21.3 | 136.9 | Sediment | 0.66 | 0.01 | 0.01 |
| 825157 | 196 | 842036 | 21.52 | 118.81 | Sediment | 0.66 | 0.01 | 0.01 |
| 825272 | 197 | 842069 | 21.52 | 118.81 | Sediment | 0.66 | 0.01 | 0.01 |
| 825389 | 198 | 842092 | 15.17 | 140 | Sediment | 0.83 | 0.02 | 0.02 |
| 825518 | 199 | 842147 | 26.89 | 84 | Sediment | 1.03 | 0.02 | 0.02 |
| 825587 | 200 | 842196 | 27.43 | 87 | Sediment | 1.15 | 0.02 | 0.02 |
| 825646 | 201 | 842260 | 26.32 | 86 | Sediment | 1.28 | 0.03 | 0.03 |
| 825692 | 202 | 842334 | 21.18 | 96.16 | Sediment | 1.40 | 0.03 | 0.03 |
| 825723 | 203 | 842425 | 21.18 | 96.16 | Sediment | 1.54 | 0.03 | 0.03 |
| 825755 | 204 | 842516 | 19.58 | 106.03 | Sediment | 1.68 | 0.03 | 0.03 |
| 825787 | 205 | 842617 | 19.58 | 106.03 | Sediment | 1.59 | 0.03 | 0.03 |
| 825820 | 206 | 842718 | 19.58 | 106.03 | Sediment | 1.50 | 0.03 | 0.03 |
| 825855 | 207 | 842818 | 12.77 | 134.62 | Sediment | 1.41 | 0.03 | 0.03 |
| 825897 | 208 | 842946 | 12.77 | 113.32 | Sediment | 1.29 | 0.03 | 0.03 |
| 825938 | 209 | 843145 | 22.37 | 43.64 | Sediment | 1.29 | 0.03 | 0.03 |
| 825975 | 210 | 843184 | 17.22 | 153.17 | Sediment | 1.24 | 0.02 | 0.02 |
| 826178 | 211 | 843487 | 18.13 | 33.93 | Sediment | 0.88 | 0.02 | 0.02 |
| 826506 | 212 | 843578 | 19.7 | 154.11 | Sediment | 0.55 | 0.01 | 0.01 |
| 826653 | 213 | 843625 | 19.66 | 99.57 | Sediment | 3.07 | 0.06 | 0.06 |
| 826747 | 214 | 843658 | 22.62 | 92.91 | Sediment | 2.74 | 0.05 | 0.05 |

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
|--------|-----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 826830 | 215 | 843701 | 22.57 | 70.55 | Sediment | 2.44 | 0.05 | 0.05 |
| 826878 | 216 | 843755 | 18.66 | 92.18 | Sediment | 2.20 | 0.04 | 0.04 |
| 826931 | 217 | 843831 | 15.26 | 98.99 | Sediment | 1.90 | 1.90 | 1.90 |
| 827125 | 218 | 844087 | 8.65 | 111.55 | Sediment | 0.85 | 0.85 | 0.85 |
| 827443 | 219 | 844187 | 5.49 | 102.49 | Sediment | 0.74 | 0.74 | 0.74 |
| 827559 | 220 | 844191 | 5.49 | 101.65 | Sediment | 0.71 | 0.71 | 0.71 |
| 827669 | 221 | 844163 | 10.04 | 105.69 | Sediment | 0.67 | 0.67 | 0.67 |
| 827763 | 222 | 844106 | 21.36 | 105.6 | Sediment | 0.63 | 0.63 | 0.63 |
| 827825 | 223 | 844017 | 99.45 | 26.44 | Sediment | 0.63 | 0.63 | 0.63 |
| 827910 | 224 | 843960 | 28.31 | 79.5 | Sediment | 0.63 | 0.63 | 0.63 |
| 827973 | 225 | 843909 | 25.87 | 40.81 | Sediment | 0.63 | 0.63 | 0.63 |
| 828011 | 226 | 843898 | 25.87 | 39.38 | Sediment | 0.63 | 0.63 | 0.63 |
| 828128 | 227 | 843883 | 5.79 | 98.48 | Sediment | 0.63 | 0.63 | 0.63 |
| 828224 | 228 | 843903 | 5.79 | 98.48 | Sediment | 0.63 | 0.63 | 0.63 |
| 828419 | 229 | 843941 | 5.61 | 99.98 | Sediment | 0.63 | 0.63 | 0.63 |
| 828627 | 230 | 843985 | 7.4 | 104.9 | Sediment | 0.63 | 0.63 | 0.63 |
| 824029 | 231 | 840977 | 25.20 | 119.60 | Sediment | 0.66 | 0.66 | 0.66 |
| 824053 | 232 | 841097 | 25.40 | 118.70 | Sediment | 0.66 | 0.66 | 0.66 |
| 824091 | 233 | 841213 | 25.60 | 120.10 | Sediment | 0.66 | 0.66 | 0.66 |
| 824144 | 234 | 841326 | 26.90 | 133.60 | Sediment | 0.66 | 0.01 | 0.01 |
| 824224 | 235 | 841438 | 26.40 | 128.40 | Sediment | 0.66 | 0.01 | 0.01 |
| 824316 | 236 | 841534 | 26.90 | 103.50 | Sediment | 0.66 | 0.01 | 0.01 |
| 824401 | 237 | 841594 | 24.00 | 129.80 | Sediment | 0.66 | 0.01 | 0.01 |
| 824506 | 238 | 841670 | 23.90 | 131.00 | Sediment | 0.66 | 0.01 | 0.01 |
| 824617 | 239 | 841741 | 17.50 | 96.70 | Sediment | 0.66 | 0.01 | 0.01 |
| 824698 | 240 | 841799 | 17.90 | 102.00 | Sediment | 0.66 | 0.01 | 0.01 |
| 825537 | 241 | 842003 | 25.22 | 68 | Sediment | 0.66 | 0.01 | 0.01 |

| GRID-X | ID | GRID-Y | X-width | Y-width | Sampling type | Source Strength | | |
|--------|-----|--------|---------|---------|---------------|----------------------------|---|--|
| | | | | | | Unmitigated (Figure 3.23a) | 98% Odour Removal by Project Proponent without Shenzhen Improvement (Fig 3.23b) | 98% Odour Removal by Project Proponent with Shenzhen Improvement (Fig 3.23c) |
| 826006 | 242 | 842911 | 17.27 | 113.32 | Sediment | 1.29 | 0.03 | 0.03 |
| 826035 | 243 | 843020 | 23.45 | 132.43 | Sediment | 1.29 | 0.03 | 0.03 |
| 826072 | 244 | 843151 | 22.77 | 138.82 | Sediment | 1.13 | 0.02 | 0.02 |
| 826134 | 245 | 843285 | 22.62 | 133.72 | Sediment | 0.96 | 0.02 | 0.02 |
| 826213 | 246 | 843370 | 30.84 | 54.92 | Sediment | 0.83 | 0.02 | 0.02 |
| 826268 | 247 | 843402 | 32.05 | 65.16 | Sediment | 0.75 | 0.02 | 0.02 |
| 826337 | 248 | 843406 | 8.87 | 106.03 | Sediment | 0.67 | 0.01 | 0.01 |
| 826439 | 249 | 843437 | 8.87 | 106.03 | Sediment | 0.55 | 0.01 | 0.01 |
| 826892 | 250 | 843603 | 7.42 | 115.51 | Sediment | 3.07 | 0.06 | 0.06 |
| 827029 | 251 | 843765 | 6.89 | 98.99 | Sediment | 2.15 | 2.15 | 2.15 |
| 827073 | 252 | 843855 | 20.03 | 99.58 | Sediment | 1.71 | 1.71 | 1.71 |
| 827125 | 253 | 843946 | 25.39 | 80.02 | Sediment | 1.25 | 1.25 | 1.25 |
| 827184 | 254 | 844017 | 30.7 | 110.65 | Sediment | 0.85 | 0.85 | 0.85 |
| 827263 | 255 | 844078 | 37.36 | 92.12 | Sediment | 0.81 | 0.81 | 0.81 |
| 827354 | 256 | 844091 | 37.36 | 92.12 | Sediment | 0.77 | 0.77 | 0.77 |
| 827451 | 257 | 844100 | 27.81 | 84.94 | Sediment | 0.74 | 0.74 | 0.74 |
| 827544 | 258 | 844096 | 18.91 | 81.31 | Sediment | 0.70 | 0.70 | 0.70 |
| 827695 | 259 | 844020 | 13.03 | 82.92 | Sediment | 0.63 | 0.63 | 0.63 |
| 827756 | 260 | 843955 | 98.37 | 4.48 | Sediment | 0.63 | 0.63 | 0.63 |
| 827832 | 261 | 843880 | 4.27 | 97.49 | Sediment | 0.63 | 0.63 | 0.63 |

Details of Deodourisation Units for Binhe WWTP (95% Odour Removal Efficiency)

| Facilities | Source ID | Type | X | Y | MPD | Extract Vol. (cu.m/hr) | Temp | Vel. | Dia | Effective Surface Area (m2) | Height | SOER (ou/m2/s) ^[1] | Emission Rate (ou/s) | Odour Removal Efficiency (%) | Mitigated Emission Rate (ou/s) |
|---|-----------|-------|-------------|-------------|-----|------------------------|------|------|------|-----------------------------|--------|-------------------------------|----------------------|------------------------------|--------------------------------|
| Area Sources | | | | | | | | | | | | | | | |
| Aeration Tank | A262 | AREA | 827987.4512 | 844018.0783 | 0 | 2868.2883 | | | | 956.0961 | | 0.6 | - | | 0.60 |
| Final Sedimentation Tank (Wesatern) | A263 | AREA | 828008.78 | 844013.7227 | 0 | 6181.0614 | | | | 2060.3538 | | 0.39 | - | | 0.39 |
| Aerobic Zone Aeration Tank | A264 | AREA | 827924.087 | 844174.4666 | 0 | 40607.4435 | | | | 13535.8145 | | 0.6 | - | | 0.60 |
| Final Sedimentation Tank (Eastern) | A265 | AREA | 828215.9841 | 844182.9013 | 0 | 19743.7779 | | | | 6581.2593 | | 0.39 | - | | 0.39 |
| Point Sources | | | | | | | | | | | | | | | |
| Inlet Pumping Station | - | AREA | 828062.9144 | 844193.9633 | | 811.53 | | | | 270.51 | | 7.80 | 2109.98 | | |
| Influent Channel | - | AREA | 828084.7617 | 844200.0473 | | 3383.91 | | | | 1127.97 | | 7.80 | 8798.17 | | |
| Primary Sedimentation Tank | - | AREA | 828059.4575 | 844165.7553 | | 16180.56 | | | | 5393.52 | | 5.68 | 30635.19 | | |
| Bioreactor and Sludge Pumping Station | - | AREA | 828058.4896 | 844119.71 | | 29932.2 | | | | 9977.40 | | 0.59 | 5886.67 | | |
| Total | | | | | | | | | | | | 47430.00 | 95 | 2371.50 | |
| Deodourising Unit for Inlet Pumping Station, Influent Channel, Primary Sedimentation Tank, Bioreactor and Sludge Pumping Station | | | | | | | | | | | | | | | |
| Deodourising Unit 1 | A267 | POINT | 828074.2969 | 844128.9321 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 2 | A268 | POINT | 828080.3596 | 844128.9321 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 3 | A269 | POINT | 828085.0533 | 844128.9321 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 4 | A270 | POINT | 828090.5293 | 844129.3232 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 5 | A271 | POINT | 828156.2414 | 844130.1055 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 6 | A272 | POINT | 828161.3262 | 844129.9099 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 7 | A273 | POINT | 828166.2155 | 844129.9099 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 8 | A274 | POINT | 828171.4959 | 844130.1055 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 9 | A275 | POINT | 828172.4738 | 844096.6628 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 10 | A276 | POINT | 828166.8022 | 844096.8583 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 11 | A277 | POINT | 828161.5218 | 844096.6628 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 12 | A278 | POINT | 828156.6325 | 844096.6628 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 13 | A279 | POINT | 828090.7249 | 844094.9026 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 14 | A280 | POINT | 828085.4444 | 844094.9026 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 15 | A281 | POINT | 828080.7507 | 844094.7071 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Deodourising Unit 16 | A282 | POINT | 828075.4703 | 844094.7071 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 148.22 |
| Sludge Digester | | | | | | | | | | | | | | | |
| Sludge Digester | - | AREA | 828174.5018 | 844013.6535 | | 334.8 | | | | 111.60 | | 15.15 | 1690.74 | | |
| Total | | | | | | | | | | | | 1690.74 | 95 | 84.54 | |
| Deodourising Unit for the sludge digester | | | | | | | | | | | | | | | |
| Deodourising Unit 17 | A266 | POINT | 828186.6228 | 844014.4018 | 0 | | 298 | 0 | 1.00 | | 5 | | | | 84.54 |

Note:
 [1] SOER has been adopted from the "PolyU Technology & Consultancy Co. Ltd. 2006 Report for Phase I Odour Sampling (Flux Hood) and Analysis.

Details of Deodourisation Units for LMC STW (95% Odour Removal Efficiency)

| Facilities | Source ID | Type | X | Y | MPD | Extract Vol. (cu.m/hr) | Temp | Vel. | Dia | Effective Surface Area (m2) | Height | SOER (ou/m2/s) ^[1] | Emission Rate (ou/s) | Odour Removal Efficiency (%) | Mitigated Emission Rate (ou/s) |
|---|-----------|-------|-----------|-----------|--------------|------------------------|-----------------|--------------|------|-----------------------------|--------|-------------------------------|----------------------|------------------------------|--------------------------------|
| Deodourising Unit 1 | DOU1 | POINT | 826585.61 | 842730.97 | 3 | | 298 | 10 | 0.57 | | 10 | | 8840.44 | 95 | 442.02 |
| Inlet Pumping Station (Screw Pump) (1) | | | | | | 1056 | | | | 352.00 | | 7.80 | 2745.60 | | |
| Screens and Grit Traps (2) | | | | | | 744 | | | | 248.00 | | 5.72 | 1418.56 | | |
| Primary Sedimentation Tanks (3) | | | | | | 1908 | | | | 636.00 | | 5.68 | 3612.48 | | |
| Membrane Bioreactor (Bioreactor) including fine screen (5a) | | | | | | 3990 | | | | 1330.00 | | 0.60 | 798.00 | | |
| Membrane Bioreactor (Membranes) (5b) | | | | | | 432 | | | | 144.00 | | 0.60 | 86.40 | | |
| Pump Compound (5c) | | | | | | 897 | | | | 299.00 | | 0.60 | 179.40 | | |
| | | | | | Total | 9027 | | | | | | | | | |
| | | | | | | | Stack dimension | | | | | | | | |
| | | | | | | | stack diameter | 0.251 | m2 | | | | | | |
| | | | | | | | | 0.565 | m | | | | | | |
| Deodourising Unit 2 | DOU2 | POINT | 826614.59 | 842773.86 | 3 | | 298 | 10 | 0.49 | | 10 | | 39780.37 | 95 | 1989.02 |
| Equilisation Tank (4) | | | | | | 1837.5 | | | | 612.50 | | 5.68 | 3479.00 | | |
| Primary Sludge Storage Tank (8a) | | | | | | 71.27561719 | | | | 23.76 | | 3.90 | 92.66 | | |
| Primary Sludge Thickeners (8b) | | | | | | 285.1024688 | | | | 95.03 | | 15.15 | 1439.77 | | |
| MBR Sludge Storage Tanks (9a) | | | | | | 570.2049375 | | | | 190.07 | | 3.90 | 741.27 | | |
| Dissolved Air Flotation Units (9b) | | | | | | 255 | | | | 85.00 | | 0.42 | 35.70 | | |
| Aerobic Sludge Digestion Tanks (11) | | | | | | 2851.024688 | | | | 950.34 | | 33.97 | 32283.10 | | |
| Sludge Filter Press House (12) | | | | | | 918.75 | | | | 306.25 | | 5.58 | 1708.88 | | |
| | | | | | Total | 6788.857711 | | | | | | | | | |

Note:

[1] SOER has been adopted from the "PolyU Technology & Consultancy Co. Ltd. 2006 Report for Phase I Odour Sampling (Flux Hood) and Analysis.

| | | |
|-----------------|--------------|----|
| Stack dimension | 0.189 | m2 |
| stack diameter | 0.490 | m |

| | |
|---------------------|-------|
| Air Change Rate | 6 ACH |
| Headroom Above Tank | 500mm |