

## Appendix 1: Summary of Carey's Gully Complex POM data

| Event | Date & time                  | Locations     | Average temp (°C) | Average wind speed (kn) | Wind direction                        | Odour detected  | Observations   | Comments  |
|-------|------------------------------|---------------|-------------------|-------------------------|---------------------------------------|---|--|---|
| 1     | 11 Mar 04<br>18:00 – 20:00   | Mitchell St   | 15                | 4                       | SW                                    | Compost   | On-site: o/o confirmed x 7                             | Dilution of odour leaving the site in light SW winds  |
|       |                              | CG Bund       | 14                | 3.6                     | Swirling<br>Catchment: Light SW winds | Compost/musty   | Catchment: odours, not o/o<br>Complaints: None         |   |
| 2     | 5 April 04<br>18:40 – 20:30  | Mitchell St   | 7-14              | 0 - 2                   | NW                                    | None  | On-site: o/o confirmed x 5.                            | Dilution of odours leaving the site<br><br>LEL doors open, potential link to sewage odour detected on the bund                          |
|       |                              | CG Bund       | 7 – 12            | 0 - 3                   | Swirling                              | Biofilter, stockpiles (vegetation), biofilter (UWI), active face, sewer odour | Catchment: No odours<br>Complaints: None               |   |
| 3     | 13 April 04<br>19:00 – 21:00 | Domanski Cres | 5.5 - 12          | 0.1 – 4.5               | NE                                    | Active face, stockpiles (compost), sewer odour                                | On-site: odours, not o/o<br>Catchment: odours, not o/o | Early complaints from Kowhai Park, later ones from Kingston<br><br>POM monitoring station at Happy Valley, but complaints from Kingston |
|       |                              | CG Bund       | 7 - 10            | 0 - 3                   | S                                     | UWI Clarifer  | Complaints: 8 from 5 - 8.45pm                          |   |
| 4     | 14 April 04<br>19:30 – 21:30 | Quebec St     | 9.8 – 13.9        | 0.5 – 2.3               | NW/Swirling                           | Stockpiles (vegetation)   | On-site: odours, not o/o                               | Light winds moving odour off site   |
|       |                              | CG Gate       | 12.5 – 13.8       | 1.1 – 2.3               | NW/swirling                           | Fermented, Stockpiles (vegetation)  | Catchment: odours, not o/o<br>Complaints: None         |   |

### Key

- o/o - offensive and/or objectionable odour
- UWI - United Water International Limited
- LEL - Living Earth Limited
- CG - Carey's Gully

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|-------|------------------------------|-------------|-------------------|-------------------------|----------------|--|--|--|
| 5     | 26 April 04<br>17:30 – 19:30 | Monteith St | 11.5 - 12.4       | 1.5 - 4                 | S              | Compost/musty  | On-site: o/o confirmed x 6   | o/o confirmed both on-site and in the catchment<br><br>Four complaints received during the monitoring period |
|       |                              | CG Bund     | 9.7 – 14.3        | 1.5 – 4.6               | S              | Varied (Ammonia, sewer, dirty linen like, sewer , sulphidic) | Catchment: o/o confirmed x 1<br>Complaints: 10                                 |  |
| 6     | 10 May 04<br>15:30 – 17:00   | Monteith St | 10.5 - 14         | 2.5 – 9                 | SE             | Sewer, stockpiles, compost                                   | On-site: o/o confirmed x 3   | Dilution of odours leaving the site<br><br>Light winds moving odour off site                                 |
|       |                              | CG Bund     | 11.2 – 14.5       | 0.5 - 8                 | S              | Sewer, stockpiles, compost, active face                      | Catchment: odours, not o/o<br>Complaints: None                                 |  |
| 7     | 19 May 04<br>09:30 – 12:00   | Mitchell St | 15.1 – 26.9       | 0 - 5                   | E              | Stockpiles   | On-site: odours, not o/o<br><br>Catchment: odours, not o/o<br>Complaints: None | Light winds moving odour off site  |
|       |                              | CG Bund     | 14 -20            | 0 - 4                   | E/SW           | Stockpiles   |  |  |
| 8     | 19 May 04<br>18:30 – 20:30   | Monteith St | 14.7              | 0 – 1.5                 | E              | No odour   | On-site: None  |  |
|       |                              | CG Bund     | 13.9 - 16         | 0                       | E              | No odour   | Catchment: None<br>Complaints: None  |  |
| 9     | 20 May 04<br>18:40 – 21:00   | Mitchell St | 14.7 – 15         | 0                       | 0              | No odour   | On-site: o/o confirmed x 3<br><br>Catchment: None<br>Complaints: 3             | Complaints from Kingston, Happy Valley during monitoring   |
|       |                              | CG Bund     | 10.2 – 11.7       | 0 – 3.5                 | NNE            | Stockpiles, Biofilter (UWI), deodoriser                      |  |  |

| Event | Date & time                 | Locations     | Average temp (°C) | Average wind speed (kn) | Wind direction | Odour detected                      | Observations                                | Comments   |
|-------|-----------------------------|---------------|-------------------|-------------------------|----------------|-------------------------------------|---|--|
| 10    | 9 June 04<br>17:00 – 19:00  | Mitchell St   | 13.8 – 14.2       | 0                       | S              | Stockpiles                          | On-site: o/o<br>confirmed x 5               | LEL doors open on arrival. Complaints tailed off soon after doors were shut<br><br>Noticed that when deodorisers went off at 18:30 the odour became more intense and more constant |
|       |                             | Quebec St     | 7                 | 0                       | Swirling       | Sludge bins, stockpiles, deoderiser | Catchment: odours, not o/o                  |  |
|       |                             | CG Bund       | 3.8 – 8.8         | 0 – 1.6                 | Swirling       | Sludge bins, stockpiles,            | Complaints: 5                               |  |
| 11    | 10 June 04<br>09:00 – 11:00 | Domanski Cres | 11 - 15           | 1 - 2                   | N/NW           | No odour                            | On-site: o/o<br>confirmed x 2               | Dilution of odours leaving the site  |
|       |                             | CG Gate       | 9.2 - 14          | 0.1 - 5                 | N              | Stockpiles, Active face, Sewage,    | Catchment: None<br>Complaints: 3            |  |
| 12    | 2 Feb 05<br>21:00 – 22:30   | Domanski Cres | 18 – 26.5         | 0 – 3.4                 | S/NE           | No odour                            | On-site: None                               | Clear night after a hot day<br><br>Monitoring at these locations to characterise any katabatic air flow effect   |
|       |                             | CG Gate       | 19.7 – 22.9       | 0 – 3.6                 | SE/NW          | No odour                            | Catchment: None<br>Complaints: 2            |  |
| 13    | 3 March 05<br>17:30 – 19:30 | Mitchell St   | 15 – 21           | 0 – 3.5                 | S              | Biofilter, Active face              | On-site: odours, not o/o                    | Officer near complainant site at time of complaint from 2 complainants - no odour detected. Complainant validity suspect   |
|       |                             | CG Bund       | 15.1 - 22         | 0.1 6.8                 | S/SW           | Stockpiles (compost), Sewer odour   | Catchment: odours, not o/o<br>Complaints: 7 |  |

| Event | Date & time                  | Locations   | Average temp (°C) | Average wind speed (kn) | Wind direction | Odour detected                                  | Observations                                    | Comments   |
|-------|------------------------------|-------------|-------------------|-------------------------|----------------|---|---|--|
| 14    | 16 March 05<br>09:15 – 11:15 | Mitchell St | 18.6 – 25.4       | 0 – 4.8                 | SW             | Stockpiles, biofilter (LEL), sewer, active face | On-site: odours, not o/o<br><br>Catchment: None | Level 3 sludge odour detected on Bund when LEL doors open  |
|       |                              | CG Bund     | 19.1 – 25.5       | 0 – 1.1                 | SW             | Biofilter (UWI), stockpiles, active face, sewer | Complaints: 7 earlier in morning                | Compost smell correlated with turning of stockpiles by UWI |

**Appendix 2: Summary of Taylor Preston POM data**

| Event | Date & Time                | Locations       | Average temp (°C) | Average wind speed (kn) | Wind direction | Odour detected   | Observations  | Comments  |
|-------|----------------------------|-----------------|-------------------|-------------------------|----------------|--|---|---|
| 1     | 01 Dec 04<br>08:40 – 10:40 | Gurkha Crescent | 18.5              | 5.7                     | N              | Rendering, wet wool (stockyards) and burnt odours (dryer). Some distinct low level asphalt odour.          | On-site: No o/o odour confirmed<br>Catchment: No o/o odour confirmed<br>Complaints: x 1 | Works Infrastructure asphalt plant was operating during the investigation, some odour detected from them. |
|       |                            | Maldiva Street  | 24.3              | 3.6                     | Swirling       | Stockyards   |   |   |
| 2     | 8 Dec 04<br>14:15 – 16:15  | Gurkha Crescent | 26.0              | 1.4                     | NNE            | Rendering odours on occasions, with some stockyards (see observations) and some light burnt odours (dryer) | On-site: No o/o odour confirmed<br>Catchment: No o/o odour confirmed<br>Complaints: x 1 | Sheep in paddock at the bottom of Maldiva Street, hence may have detect some odour form them.             |
|       |                            | Maldiva Street  | 20.5              | 1.2                     | Swirling       | Not a lot of odour detected at either site for the conditions, just the occasional wave of stockyard odour |   |   |

**Key**  
o/o - offensive and/or objectionable odour

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|-------|---------------------------|-----------------|-------------------|-------------------------|----------------|---|--|---|
| 3     | 13 Dec 04<br>8:55 – 10:55 | Gurkha Crescent | 20.7              | 2.2                     | N              | Waves of stockyard odours (wet wool, faecal)  | On-site: No o/o odour confirmed<br>Catchment: No o/o odour confirmed | Sheep yards were quite full during the investigation. This probably accounts for the stockyards odours that were detected during the investigation.   |
|       |                           | Maldive Street  | 22.3              | 1.7                     | S              | Not much odour detected at this site, some stockyard type odours  | Complaints: None   |   |
| 4     | 7 Feb 05<br>14:40 – 16:40 | Gurkha Crescent | 21.0              | 17.1                    | N              | Rendering odours detected, burnt odours (dryer) and a range of odours emanating from the stockyards area (wet wool etc) | On-site: No o/o odour confirmed<br>Catchment: No o/o odour confirmed | Some strong gusts of wind at Gurkha Crescent during monitoring period, resulted in good mixing of the odours.<br><br>The southerly winds recorded the bottom of Maldive Street was clearly 'pushing' the odours away from this monitoring site. |
|       |                           | Maldive Street  | 24.3              | 2.4                     | S              | No odour detected at this location  | Complaints: x 5  |   |