

**Table 9**

**Assessment of Wastewater Treatment Plants  
County of Grey**

| Wastewater Treatment Plant | Municipality       | Design Hydraulic Capacity<br>m <sup>3</sup> /day | Average Sewage Flow<br>m <sup>3</sup> /day | Record Year  | Present Unused Hydraulic Capacity<br>m <sup>3</sup> /day | Committed Hydraulic Capacity<br>m <sup>3</sup> /day | Uncommitted Hydraulic Reserve Capacity<br>m <sup>3</sup> /day | BOD <sub>5</sub> Organic Design Capacity<br>Kg/day | TKN Organic Design Capacity<br>kg/day | Average Raw Sewage BOD <sub>5</sub><br>mg/Litre | Record Years | Average Raw Sewage TKN<br>mg/Litre | Record Years | Average Raw Sewage BOD <sub>5</sub> Loading<br>kg/day | Average Raw Sewage TKN Loading<br>kg/day | Existing Unused                             |                                | Uncommitted                                 |                                |
|----------------------------|--------------------|--|--|--------------|--|---|---|--|---------------------------------------|---|--------------|------------------------------------|--------------|---|--|---|--------------------------------|---|--------------------------------|
|                            |                    |  |  |              |  |   |   |  |                                       |   |              |                                    |              |   |  | BOD <sub>5</sub> Loading Capacity<br>kg/day | TKN Loading Capacity<br>kg/day | BOD <sub>5</sub> Loading Capacity<br>kg/day | TKN Loading Capacity<br>kg/day |
| 1 Owen Sound               | Owen Sound         | 24,545   | 13,704                                     | 99-02        | 10,841   | 10,841  | 0   | 3,682  | 490.9                                 | 90.5  | 2002         | 17.4                               | 2002         | 1240.2  | 238.4                                    | 2441.8                                      | 252.5                          | 0.0   | 0.0                            |
| 2 Craigleith               | T of The Blue Mtns | 4,078  | 1,767                                      | 99-03        | 2,311  | 2,311   | 0   | 645  | 81.6                                  | 109   | 01-03        | 12.7                               | 01-03        | 192.6   | 22.4                                     | 452.4                                       | 59.2                           | 0.0   | 0.0                            |
| 3 Thornbury                | T of The Blue Mtns | 2,983  | 1,717                                      | 99-03        | 1,266  | 1,266   | 0   | 448  | 71.5                                  | 57.3  | 01-03        | 10.7                               | 01-02        | 98.4  | 18.4                                     | 349.6                                       | 53.1                           | 0.0   | 0.0                            |
| 4 Hanover                  | Hanover            | 6,360  | 4,025                                      | 99-01<br>+03 | 0  | 374   | 0   | 1,175  | 127.2                                 | 350.1   | 00-03        | 13                                 | 00-02        | 1409.2  | 52.3                                     | -234.2                                      | 74.9                           | 0.0   | 0.0                            |
| 5 Meaford                  | Meaford            | 3,909  | 2,467                                      | 98-02        | 1,442  | 1,165   | 277   | 500  | 51                                    | 108   | 99-01        | 17                                 | 99-01        | 266.4   | 41.9                                     | 233.6                                       | 9.1                            | 35.4  | 3.6                            |
| 6 Durham *                 | West Grey          | 2,184  | 1,177                                      | 00-02        | 1,007  | 35  | *972  | 437  | 43.7                                  | 124.4   | 2002         | 21.9                               | 1997         | 146.4   | 25.8                                     | 290.6                                       | 17.9                           | 194.5                                       | 19.4                           |
| 7 Neustadt                 | West Grey          | 388  | 252  | 99-02        | 136  | 0   | 136   | 112  | 7.8                                   | 224.5   | 2002         | 17.3                               | 2002         | 56.6  | 4.4                                      | 55.4  | 3.4                            | 39.3  | 2.7                            |
| 8 Markdale                 | Grey Highlands     | 1,122  | 741  | 99-01<br>+03 | 381  | 317   | 64  | 340  | 22.4                                  | 262   | 02-03        | 25                                 | 02-03        | 194.1   | 18.5                                     | 145.9                                       | 3.9                            | 19.4  | 1.3                            |
| 9 Flesherton               | Grey Highlands     | 419  | 163  | 97-03        | 256  | 61  | 195   | 83.8   | 21.0                                  | 147.5   | 02-03        | 50.0                               | Design       | 24.0  | 8.2                                      | 59.8  | 12.9                           | 39.0  | 9.8                            |
| 10 Amik                    | Grey Highlands     | 249  | 234  | 01-Mar       | 15   | 15  | 0   | 45.8   | 4.9                                   | 134.8   | 02-03        | 20.8                               | 02-03        | 31.5  | 4.9                                      | 14.3  | 0.0                            | 0.0   | 0.0                            |
| 11 Dundalk                 | Southgate          | 1,832  | 1,415                                      | 99-02        | 417  | 75  | 342   | 642  | 36.6                                  | 111   | 02-03        | 18.2                               | 2003         | 157.1   | 25.8                                     | 484.9                                       | 10.8                           | 119.8                                       | 6.8                            |
| 12 Derby                   | Georgian Bluffs    | 57.5   | 43.7                                       | 02-03        | 14   | 0   | 14  | 31.6   | 4.9                                   | 550   | Design       | 85.0                               | Design       | 24.0  | 3.7                                      | 7.6   | 1.2                            | 7.6   | 1.2                            |
| <b>TOTAL</b>               |                    | 48,126.5   | 27,706                                     |              | 18,086   | 16,460  | 2,000   | 8,142.2  | 963.5                                 | -   | -            | -                                  | -            | 3,840.6   | 464.7                                    | 4535.9                                      | 498.9                          | 260.5                                       | 44.8                           |

\*Although not committed, there has been interest by the private sector to utilize the following capacities 415 m<sup>3</sup>/day Hydraulic, 103 Kg/day BOD<sub>5</sub> and 2.06 Kg/day TKN at Durham