

APPENDIX 3.1a

**Past Monitoring Record
for the Removal
Efficiency of Flaring
System**

Flare Removal Efficiency Based on Existing WENT Landfill Monitoring Data (5-year data)

| Yr/Parameter | 2002 | 2003 | 2004 | 2005 | 2006 | Flare Removal Efficiency | | | max concentration at outlet (ppmv) * |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|--------------------------|--------|---------|--------------------------------------|
| | out/input | out/input | out/input | out/input | out/input | max | min | average | |
| Methane | 0.01% | 0.00% | 0.00% | 0.01% | 0.01% | 100.00% | 99.99% | 99.99% | 0.006 |
| Vinyl Chloride | 2.22% | 0.71% | 3.33% | 1.88% | 15.00% | 99.29% | 85.00% | 95.37% | 0.006 |
| Benzene | 1.50% | 0.29% | 0.83% | 1.00% | 6.00% | 99.71% | 94.00% | 98.07% | 0.012 |
| Non-Methane Organic components | 0.45% | 0.07% | 0.31% | 0.31% | 3.19% | 99.93% | 96.81% | 99.13% | 15 |

* value corrected for dry basis and corrected to 3% oxygen