

**Pond 8S - Soil Gas Monitoring Results
2000**

| Soil Gas Monitoring Locations | 1st Quarter 2000 | | | | | | 2nd Quarter 2000 | | | | | |
|----------------------------------|------------------|--------------|-----------|--------------|-----------|--------------|------------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | * 50.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | * 50.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | 13.90 | 5.90 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

| Soil Gas Monitoring Locations | 3rd Quarter 2000 | | | | | | 4th Quarter 2000 | | | | | |
|----------------------------------|------------------|--------------|-----------|--------------|-----------|--------------|------------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.091 | 0.090 | 23.60 | 23.60 | 0.00 | 0.00 | 0.049 | 0.048 | 12.90 | 12.80 |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.054 | 0.053 | 12.90 | 12.70 | 0.00 | 0.00 | 0.058 | 0.057 | 12.20 | 12.00 |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

* - Initial reading, which rapidly declined to zero.

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

**Pond 8S - Summary of Soil Gas Monitoring Results
2001**

| Soil Gas Monitoring Locations | 1st Quarter 2001 | | | | | | 2nd Quarter 2001 | | | | | |
|----------------------------------|------------------|--------------|-------------|--------------|--------------|--------------|------------------|--------------|-------------|--------------|--------------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.02 | 0.02 | 4.20 | 3.80 |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.03 | 0.03 | 7.10 | 6.40 |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.04 | 0.03 | 4.50 | 4.20 | 0.00 | 0.00 | 0.05 | 0.05 | 6.40 | 6.20 |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.25 | 0.24 | 28.00 | 27.90 | 30.00 | 30.00 | 0.43 | 0.42 | 27.20 | 26.90 |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

| Soil Gas Monitoring Locations | 3rd Quarter 2001 | | | | | | 4th Quarter 2001 | | | | | |
|----------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|--------------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.021 | 0.020 | 5.90 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.000 | 0.000 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.025 | 0.024 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.047 | 0.045 | 6.50 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.000 | 0.000 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.022 | 0.000 | 9.50 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.040 | 0.000 | 3.60 | 2.30 | 0.00 | 0.00 | 0.038 | 0.020 | 3.60 | 3.50 |
| 0007SG08 | 0.00 | 0.00 | 0.000 | 0.000 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 20.00 | 20.00 | 0.628 | 0.600 | 27.50 | 27.40 | 0.00 | 0.00 | 0.172 | 0.163 | 28.40 | 28.30 |
| 0007SG10 | 0.00 | 0.00 | 0.021 | 0.020 | 4.10 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

**Pond 8S - Summary of Soil Gas Monitoring Results
2002**

| Soil Gas Monitoring Locations | 1st Quarter 2002 | | | | | | 2nd Quarter 2002 | | | | | |
|----------------------------------|------------------|--------------|-------------|--------------|--------------|--------------|------------------|--------------|-------------|--------------|--------------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | | PH3 (ppm) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 20.00 | 10.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 20.00 | 20.00 | 0.12 | 0.12 | 28.40 | 28.30 | 20.00 | 20.00 | 0.14 | 0.13 | 27.60 | 27.60 |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

| Soil Gas Monitoring Locations | 3rd Quarter 2002 | | | | | | 4th Quarter 2002 (Sampling was actually 1/09/2003) | | | | | |
|----------------------------------|------------------|--------------|-------------|--------------|--------------|--------------|--|--------------|--------------|--------------|--------------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | PH3 (ppm) | PH3 (ppm) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 20.00 | 20.00 | 0.24 | 0.24 | 27.80 | 27.70 | 0.00 | 0.00 | 0.092 | 0.076 | 11.50 | 8.20 |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

**Pond 8S - Summary of Soil Gas Monitoring Results
2003**

| Soil Gas Monitoring Locations | 1st Quarter 2003 | | | | | | 2nd Quarter 2003 | | | | | |
|----------------------------------|------------------|--------------|-----------|--------------|-----------|--------------|------------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppb) | PH3 (ppb) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | PH3 (ppb) | PH3 (ppb) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 0.70 |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.00 |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 1.00 |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 0.50 |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.70 |
| 0007SG09 | 0.00 | 0.00 | 65.00 | 63.00 | 6.00 | 5.00 | 0.00 | 0.00 | 154.00 | 137.00 | 19.30 | 10.10 |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 1.10 |

| Soil Gas Monitoring Locations | 3rd Quarter 2003 | | | | | | 4th Quarter 2003 | | | | | |
|----------------------------------|------------------|--------------|-----------|--------------|-----------|--------------|------------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | H2 (ppm) | PH3 (ppb) | PH3 (ppb) | HCN (ppm) | HCN (ppm) | H2 (ppm) | H2 (ppm) | PH3 (ppb) | PH3 (ppb) | HCN (ppm) | HCN (ppm) |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG09 | 0.00 | 0.00 | 70.00 | 68.00 | 8.90 | 8.70 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | 0.00 | 0.00 | NA | NA |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

Pond 8S - Summary of Soil Gas Monitoring Results 2004

| Soil Gas Monitoring Locations | 1st Quarter 2004 | | | | | | 2nd Quarter 2004 | | | | | |
|----------------------------------|------------------|--------------|--------------|--------------|-------------|--------------|------------------|--------------|-------------|--------------|-------------|--------------|
| | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.02 | 0.00 | 1.10 | 1.00 |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.00 |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.027 | 0.024 | 3.80 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.028 | 0.028 | 3.60 | 3.50 | 0.00 | 0.00 | 0.07 | 0.07 | 3.00 | 2.20 |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

| Soil Gas Monitoring Locations | 3rd Quarter 2004 | | | | | | 4th Quarter 2004 | | | | | |
|----------------------------------|------------------|--------------|--------------|--------------|-------------|--------------|------------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.027 | 0.025 | 3.80 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

Pond 8S - Summary of Soil Gas Monitoring Results 2005

| Soil Gas Monitoring Locations | 1st Half 2005 | | | | | | 2nd Half 2005 | | | | | |
|----------------------------------|---------------|--------------|-----------|--------------|-----------|--------------|---------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

Pond 8S - Summary of Soil Gas Monitoring Results 2006

| Soil Gas Monitoring Locations | 1st Half 2006 | | | | | | 2nd Half 2006 | | | | | |
|----------------------------------|---------------|--------------|-------------|--------------|-------------|--------------|---------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.03 | 0.03 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.02 | 0.02 | 1.20 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.02 | 0.02 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.02 | 0.02 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.03 | 0.03 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG10 | 0.00 | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

Pond 8S - Summary of Soil Gas Monitoring Results 2007

| Soil Gas Monitoring Locations | 1st Half 2007 (3/20/07) | | | | | | 2nd Half 2007 (9/24/07) | | | | | |
|-------------------------------------|-------------------------|--------------|-----------|--------------|-----------|--------------|-------------------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

Pond 8S - Summary of Soil Gas Monitoring Results 2008

| Soil Gas Monitoring Locations | 1st Half 2008 (3/24/08) | | | | | | 2nd Half 2008 (9/17/08) | | | | | |
|---|-------------------------|--------------|-----------|--------------|-----------|--------------|-------------------------|--------------|--------------|--------------|-------------|--------------|
| | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |
| 0007SG09 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.025 | 0.025 | 2.10 | 2.10 |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A | 0.00 | 0.00 | 0.00 | 0.00 | N/A | N/A |

N/A = Not Applicable, because no Phosphine was detected; therefore, no HCN readings were taken.

Pond 8S - Summary of Soil Gas Monitoring Results 2009

| Soil Gas Monitoring Locations | 1st Half 2009 (3/16/09) | | | | | | 2nd Half 2009 (9/14/09) | | | | | |
|---|-------------------------|--------------|-----------|--------------|-----------|--------------|-------------------------|--------------|-----------|--------------|-----------|--------------|
| | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | | H2 (ppm) | | PH3 (ppm) | | HCN (ppm) | |
| | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State | Peak | Steady State |
| 0007SG01 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG02 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG03 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG04 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG05 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG06 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG07 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG08 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |
| 0007SG09 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.000 | 0.000 | N/A | NA |
| 0007SG10 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA | 0.00 | 0.00 | 0.00 | 0.00 | N/A | NA |

N/A = Not applicable due to no Phosphine readings. (Refer to Field Sampling Plan for RCRA Cap Monitoring, Attachment 10-2b Section 4.4)