

**SUMMARY OF ON-SITE HYDROGEN SULFIDE (H<sub>2</sub>S)  
ODOR MONITORING**

Month and year	Headworks Monitor			UNC Monitor			Digester Monitor			Switchgear Monitor		
	Average H <sub>2</sub> S Reading (ppm)	Minimum H <sub>2</sub> S Reading (ppm)	Maximum H <sub>2</sub> S Reading (ppm)	Average H <sub>2</sub> S Reading (ppm)	Minimum H <sub>2</sub> S Reading (ppm)	Maximum H <sub>2</sub> S Reading (ppm)	Average H <sub>2</sub> S Reading (ppm)	Minimum H <sub>2</sub> S Reading (ppm)	Maximum H <sub>2</sub> S Reading (ppm)	Average H <sub>2</sub> S Reading (ppm)	Minimum H <sub>2</sub> S Reading (ppm)	Maximum H <sub>2</sub> S Reading (ppm)
May 2008	OS	OS	OS	OS	OS	OS	0.0001	0.0000	0.0156	OS	OS	OS
June 2008	0.0011	0.0000	0.8219 <sup>1</sup>	0.0081	0.0000	0.2829 <sup>2</sup>	0.0249	0.0000	0.0249 <sup>3</sup>	0.0010	0.0000	0.0331 <sup>4</sup>
July 2008	0.0104	0.0000	0.5762 <sup>5</sup>	0.0113	0.0000	0.4013 <sup>6</sup>	0.0002	0.0000	0.0132 <sup>7</sup>	0.0003	0.0000	0.0241 <sup>8</sup>
August 2008	0.0000	0.0000	0.0001 <sup>9</sup>	0.0196	0.0000	0.4175 <sup>10</sup>	0.0004	0.0000	0.0342 <sup>11</sup>	0.0013	0.0000	0.0219 <sup>12</sup>
September 2008	0.0000	0.0000	0.0000	0.0027	0.0000	0.1223 <sup>13</sup>	0.0004	0.0000	0.0425 <sup>14</sup>	0.0002	0.0000	0.0501 <sup>15</sup>
October 2008	0.0000	0.0000	0.0000	0.0025	0.0000	0.0935 <sup>16</sup>	0.0002	0.0000	0.0200 <sup>17</sup>	0.0001	0.0000	0.0205 <sup>18</sup>
November 2008	0.0000	0.0000	0.0000	0.0027	0.0000	0.1223 <sup>19</sup>	0.0004	0.0000	0.0425 <sup>20</sup>	0.0002	0.0000	0.0501 <sup>21</sup>
December 2008	0.0000	0.0000	0.0000	0.0025	0.0000	0.0935 <sup>22</sup>	0.0002	0.0000	0.0200 <sup>23</sup>	0.0001	0.0000	0.0205 <sup>24</sup>

**Notes:**

OS – Unit Out of Service (OS). Sent to manufacturer for calibration

<sup>1</sup> Maximum reading occurred on June 14, 2008 at 2:00 AM.

<sup>2</sup> Maximum reading occurred on June 12, 2008 at 12:39 AM.

<sup>3</sup> Maximum reading occurred on June 12, 2008 at 8:20 AM.

<sup>4</sup> Maximum reading occurred on June 11, 2008 at 2:30 AM.

<sup>5</sup> Maximum reading occurred on July 7, 2008 at 9:30 PM.

<sup>6</sup> Maximum reading occurred on July 15, 2008 at 8:09 AM.

<sup>7</sup> Maximum reading occurred on July 4, 2008 at 7:13 AM.

<sup>8</sup> Maximum reading occurred on July 29, 2008 at 3:00 AM.

- <sup>9</sup> Maximum reading occurred on August 25, 2008 at 2:00 AM.
- <sup>10</sup> Maximum reading occurred on August 3, 2008 at 7:50 PM.
- <sup>11</sup> Maximum reading occurred on August 26, 2008 at 11:50 PM.
- <sup>12</sup> Maximum reading occurred on August 11, 2008 at 9:30 PM.
- <sup>13</sup> Maximum reading occurred on September 3, 2008 at 6:36 PM.
- <sup>14</sup> Maximum reading occurred on September 10, 2008 at 8:06 PM.
- <sup>15</sup> Maximum reading occurred on September 12, 2008 at 7:56 PM.
- <sup>16</sup> Maximum reading occurred on October 26, 2008 at 6:42 PM.
- <sup>17</sup> Maximum reading occurred on October 27, 2008 at 9:26 AM.
- <sup>18</sup> Maximum reading occurred on October 26, 2008 at 7:33 PM.
- <sup>19</sup> Maximum reading occurred on November 2, 2008 at 10:00 PM.
- <sup>20</sup> Maximum reading occurred on November 9, 2008 at 7:35 AM.
- <sup>21</sup> Maximum reading occurred on November 2, 2008 at 9:40 PM.
- <sup>22</sup> Maximum reading occurred on December 10, 2008 at 8:50 PM.
- <sup>23</sup> Maximum reading occurred on December 11, 2008 at 1:20 PM.
- <sup>24</sup> Maximum reading occurred on December 4, 2008 at 8:35 PM.

**Monitor Locations (see attached location map):**

Headworks Monitor (#1) – Monitor located between Headworks Facility and Septage Receiving Station on south side of plant property.

Digester Monitor (#2) – Monitor located between Digester #1 and Digester #4 on west side of plant property.

UNC Monitor (#3) – Monitor located between UNC Research Building and Trickling Filter on north side of plant property.

Switchgear Monitor (#4) – Monitor located across from Switchgear building on north side of plant property.