### Facility Name: Swift Creek PS
### Inspection Date: 3/11/2010
### ID Number: 001

#### Pump

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>Condition</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submersible</td>
<td>Fair</td>
<td>VFD</td>
</tr>
</tbody>
</table>

**Manufacturer:** ITT Flygt 770-932-4320  
**Rep:** RL Carlson 704-504-8804

<table>
<thead>
<tr>
<th>Pumps</th>
<th>Model</th>
<th>Discharge Dia.</th>
<th>Motor HP</th>
<th>RPM</th>
<th>Tested GPM</th>
<th>Tested PSI</th>
<th>Wetwell: 25' by 17' 15'-2&quot; Deep</th>
<th>Vol: 48,000 gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C3351</td>
<td>14&quot;</td>
<td>476</td>
<td>1190</td>
<td>6,231</td>
<td>73</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>C3351</td>
<td>14&quot;</td>
<td>476</td>
<td>1190</td>
<td>6,227</td>
<td>73</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>C3351</td>
<td>14&quot;</td>
<td>670</td>
<td>1190</td>
<td>5,459</td>
<td>72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>C3132</td>
<td>10&quot;</td>
<td>250</td>
<td>1750</td>
<td>2,132</td>
<td>71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>C3132</td>
<td>10&quot;</td>
<td>250</td>
<td>1750</td>
<td>2,964</td>
<td>70</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Capacity of Pumps 1 & 3 Running Together**

<table>
<thead>
<tr>
<th></th>
<th>1250 KVA</th>
<th>1000 KW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumps 1 &amp; 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Odor:
- **At the Fence:** 0.002 ppm  
- **Wetwell:** 0.007 ppm  
**Odor Control:** Odor Scrubber/Ferrous Sulfide  
**Condition:** Good

#### Generator:

<table>
<thead>
<tr>
<th>Generator</th>
<th>Condition: Fair</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Caterpillar Model 3508</td>
<td>1250 KVA 1000 KW</td>
</tr>
<tr>
<td>2 Caterpillar Model 3508</td>
<td>1250 KVA 1000 KW</td>
</tr>
<tr>
<td>3 Cummins Power Model P1734C1</td>
<td>1890 KVA 1512 KW</td>
</tr>
</tbody>
</table>

#### Screw Conveyor:
- **Two Screw Conveyors**  
  **Condition:** No. One Good, No. Two Poor

#### Sound:
- **At the Fence:** 69 dB Gen off  
  **Wetwell:** 77 dB Pump off  
- **At the Fence:** 81 dB Gen on  
  **Wetwell:** 76 dB Pump on

#### Comments:
- building is older but still in usable condition  
- some of the electronic equipment  
- odor scrubber lowered the H2S from 0.007 to 0.001 ppm  
- wetwell 1 is older and in fair condition  
- wetwell 2 is newer and in good condition  
- generator 2 would not start at first  
- screw conveyor 2 severely rusting  
- valve vault flooded  
- monorail paint peeling

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*Image of the document*
Swift Creek PS Pump Number One and Two Pump Curve

NOTE: Curves are based on nominal constant hydraulic-end speed and show performance with clear water.
Swift Creek PS Pump Number Three Pump Curve

NOTE: Curves are based on nominal constant hydraulic-end speed and show performance with clear water.
Town of Cary Pump Station Inspection Sheet

Swift Creek Pump Station

SCADA Terminal

Wetwell Number 2

Wetwell Number 2

Wetwell Number 1

Generator
Town of Cary Pump Station Inspection Sheet

Screw Conveyor Number 1 (New)  Bar Screen Number 2 (Old)

Swift Creek Pump Station  Odor Control

Flooded Vault  Mag Meter Vault