Town of Cary Pump Station Inspection Sheet

**Facility Name:** Grey Hawk  
**ID Number:** 030  
**Inspection Date:** 1/13/2010

### Pump
- **Type:** Submersible
- **Discharge Diameter:** 8"  
- **Control:** Float / FVNR Starter  
- **Manufacturer:** ABS  
- **Model:** AFP 1047.1 ME185/4D

<table>
<thead>
<tr>
<th></th>
<th>Pump One</th>
<th>Pump Two</th>
<th>Firm Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>gpm</td>
<td>185</td>
<td>182</td>
<td>182</td>
</tr>
</tbody>
</table>

- **Manufacturer:** Defendant's Notice  
- **Model:** Absence

- **Rep:** Pete Duty & Associates, Inc.
  - 919-245-5070
  - 203-238-2700

- **Wetwell:** 8' Diameter  
- **Deep:** 8'  
- **Vol:** 3,000 gal

### Odor
- **At the Fence:** 0.002 ppm  
- **Wetwell:** 0.800 ppm  
- **Odor Control:** Bioxide  
- **Condition:** Like New

### Generator
- **Generator:** Cummins Power Generation
- **Condition:** Like New
- **Model:** DGCG-5761804

<table>
<thead>
<tr>
<th></th>
<th>One Phase</th>
<th>Three Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>KVA</td>
<td>54</td>
<td>100</td>
</tr>
<tr>
<td>KW</td>
<td>54</td>
<td>80</td>
</tr>
</tbody>
</table>

### Sound
- **At the Fence:**  
  - 58 dB Gen off  
  - 83 dB Gen on
- **Wetwell:**  
  - 70 db Pump off  
  - 74 db Pump on

### Comments:
- Pump station is like new.
- Pumps cycle very slow (it currently services very few houses).
- Wetwell and grinder manhole coatings look great.
- Valve vault is in great condition.
- Piping has a bypass.
- Exhaust fan 72 dB
Grey Hawk PS Pump Curves:

**Model: AFP 1047 4 POLE**
**Tab: 4" open CB**

**Performance Field**

- **Hz:** 60 Hz

- **Solid size:** 75 mm
- **No. of vane:** 2

- **Performance diagram based on motor speed (n not const.)**
- **Speed Motor:** 1780 RPM
- **Speed hydr.:** 1780 RPM

- **Tolerance according to hydraulic institute**

**Issue:** 27 Nov 1997  
**T4.1**

**IEM**
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Grey Hawk Pump Station  Sump

Chemical Metering Pumps  Exhaust Fan

Eyewash  Chemical Building