

Town of Cary Pump Station Inspection Sheet



**Facility Name:** Crossroads

**Inspection Date:** 1/27/2010

**ID Number:** 006

**Pump**

Type: Submersible  
Discharge Diameter: 4"  
Control: Float / FVNR Starter  
Manufacturer: Fairbanks Morse 5433  
913-371-5000  
Wetwell: 8' Diameter 8' Deep

Condition: Fair  
Pump One: 180 gpm  
Pump Two: 158 gpm  
Firm Capacity 158 gpm  
Rep: HD SUPPLY WATERWORKS  
828-324-9705  
Vol: 3,000 gal

**Odor:**

At the Fence: 0.002 ppm  
Odor Control: Bioxide  
Wetwell: 6.200 ppm  
Condition: Fair

**Generator:**

Generator: Gregory Poole – Olympia  
Model D75P1  
Condition: Fair  
KVA: 93.8 KW: 75

**Grinder:**

Grinder: Muffin Monster  
Condition: Poor

**Sound:**

At the Fence: 70 dB Gen off  
At the Fence: 79 dB Gen on  
Wetwell: 74 db Pump off  
Wetwell: 75 db Pump on

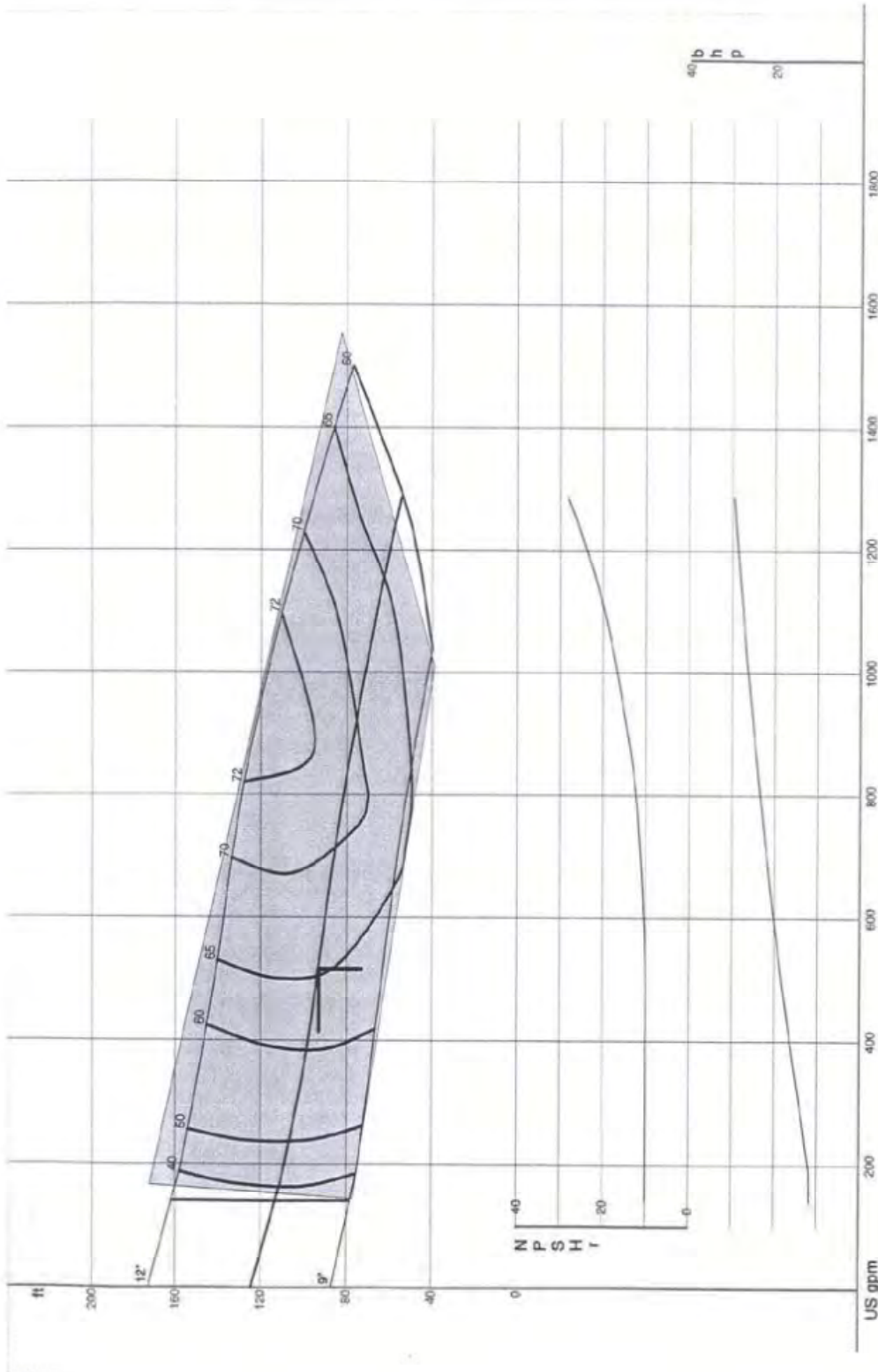
**Comments:**

- valve vault wet and muddy.
- pressure gauges in /valve vault broken
- 8' diameter wet well, coating has fallen mostly off
- grinder hydraulic unit has no enclosure
- grinder hydraulic unit look warn
- air damper solenoid broken
- control panel and power panels are showing their age.
- chemical building appears in good shape with mainly cosmetic defects

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## Crossroads PS Pump Curve



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Crossroads Pump Station



Control Panel



Generator



Generator



Power Panel



Wetwell



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Grinder



Grinder



Chemical Building



Chemical Building



Valve Vault



Valve Vault

