

Town of Cary Pump Station Inspection Sheet



Facility Name: Ronaldsby Drive PS

Inspection Date: 9/7/2011

ID Number: 018

Drawdown Date: 6/2/2010

Pump

Condition: Fair

Type: Submersible

Pump One: 173 gpm

Discharge Diameter: 4"

Pump Two: 171 gpm

Control: Float / FVNR Starter

Design Point (flow): 175 gpm

Motor Horsepower: 7.5

Design Point (pressure): 65 feet of water

Pump RPM: 1800

Firm Capacity: 171 gpm

Manufacturer: Fairbanks Morse

Rep: HD Supply

Model: 4" D5432MV

828-324-9705

913-371-5000

Wetwell: 7.8' Diameter

6.25' Deep

Vol: 2,300 gal

Grinder: None

Generator:

Condition: Good

Generac 97A06838S

100KW

Propane

Sound:

At the Fence: 68 dB Gen off

Five Foot from Gen: 99 db Gen on

At the Fence: 94 dB Gen on

Comments:

- a motor is used to induce 3 phase power
- no grinder or trash rack
- wooden fence is in poor condition, missing bits and rotting
- 7.8' diameter pump station wetwell; coating in poor condition
- pump guide steel support corroding
- concrete slab around pump station showing signs of slight settlement and cracking
- hatch showing some signs of corrosion, but not significant
- slab around pump station and valve vault is showing some slight settlement and cracking
- valve vault has significant water infiltration
- piping and valves in valve vault rusted

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Ronaldsby Drive Pump Station



Control Panel



Control Panel



Wetwell and Control Panel



Phase Converter



Phase Converter



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Propane Tank



Fire Extinguisher



Valves



Valves



Wetwell



Wetwell

