Town of Cary Pump Station Inspection Sheet

Facility Name: White Oak PS
ID Number: 004

Inspection Date: 9/7/2011
Drawdoun Date: 2/26/2002

Pump
Type: Submersible
Condition: Good
Discharge Diameter: 6"
Pump One: 1,135 gpm
Control: Float / FVNR Starter
Pump Two: 1,231 gpm
Motor Horsepower: 100
Firm Capacity: 1,135 gpm
Pump RPM: 1780
Design Point (flow): 1,000 gpm
Manufacturer: Fairbanks Morse
Design Point (pressure): 204 feet of water
Model: 5436M&W 913-371-5000
Rep: HD Supply 828-324-9705
Wetwell: 9'-11" by 19'-9" 11'-5" Deep
Vol: 16,700 gal

Generator:
Generator: 3208
Condition: Good
Caterpillar 188 KW 150 kWA

Grinder:
Manufacturer: JWC Environmental
Model: Channel Monster
Condition: Good
S/N

Sound:
At the Fence: 56 dB Gen off
Five Foot from Gen: 103 db Gen on
At the Fence: 90 dB Gen on

Comments:
- channel grinder (Channel Monster) manhole; uncoated
- appears to have some groundwater infiltration (not significant)
- concrete is in good shape
- manhole steps and aluminum hatch appear to be in good condition
- 9'-11"x 11'-8" coated wet well and pump station
- coating and concrete in wet well appear to be in good condition
- pump guide rails are corroding (monitor or replace)
- guide rail support brackets and pipes and aluminum ladder in wet well are corroded
- piping and valves in valve vault are corroded
-11’x9’ valve vault has some moisture along the walls and floor
White Oak PS Pump Curve
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Generator & Chemical Building

Generator

Grinder

Grinder

Grinder Hydraulic Unit