Town of Cary Pump Station Inspection Sheet

Facility Name: Carystone PS **Inspection Date:** 9/9/2011 **ID Number:** 020 Drawdown Date: 5/27/2010

Pump Condition: Good

Type: Submersible Pump One: 198 gpm Discharge Diameter: 4" Pump Two: 191 gpm Control: Float / FVNR Starter Firm Capcity: 191 gpm Motor Horsepower: 10 Design Point (flow): 170 gpm

Pump RPM: 1750 Design Point (pressure): 53 feet of water

Manufacturer: Myers Rep: Pentair Pump Group

Model: 4VH 704-504-3111

419-289-1144

Wetwell: 6.1' Diameter 8.33 Deep Vol: 1,800 gal

Generator: None

Grinder: None

Comments:

- -6.1' inside diamter wet well, concrete appears to have a coating
- -exposed exterior of wetwell is painted; pump wetwell and valve vault could use repainting
- -6'x8' valve vault; some groundwater at bottom; piping is in poor condition
- -aluminum hatches are in good condition
- -top metal pump guide supports are corroded significantly at top
- -aluminum trash basket and guide in good condition
- -drum stand rusting



Town of Cary Pump Station Inspection Sheet **Carystone PS Pump Curve** Pump performance is based on clear water (1.0 specific gravity @ 68°F) and pump fluid end (hydraulic) efficiency. Motor data based on 40°C ambient temperature NON-CLOG WASTEWATER PUMP Model: 4VH/4VHX Speed: 1750 RPM 65% 950 (945) (133) (132) (132) (132) (232) (242) (245) (245) (254) (322) (324) (321) (321) (321) (321) 67% S within heavy dashed boundary. Operation is recommended 000 950 0 모 900 20 Model: 4VH/4VHX 750 유 Discharge: 4" Max. Solids: 3" 69% 700 650 67% 68% 900 550 200 m 65% 450 400 350 55% 300 250 (756) 200 40% Pump Performance (287) 20 (378) 00 0 50 IMP 9 0 0 U.S.BMS. 8 9 LITERS 15-50 0 96 70 80 4 18 13 80 10 Ŕ N Ŕ

Town of Cary Pump Station Inspection Sheet



Carystone Pump Station



Control Panel



Wetwell



Wetwell



Valves



Wetwell Exterior

