Town of Cary Pump Station Inspection Sheet

Facility Name: Blanche Drive PS  
ID Number: 013

Inspection Date: 1/13/2010

**Pump**
- Type: Submersible  
- Discharge Diameter: 4"
- Control: Float / FVNR Starter
- Motor Horsepower: 25
- Pump RPM: 1750
- Manufacturer: Hydromatic
- Model: S4L
- 419-289-3042
- Wetwell: 6' Diameter 5.5' Deep
- Vol: 1,200 gal
- Condition: Good

**Pump One:**
- Type: Submersible  
- Discharge Diameter: 4"
- Control: Float / FVNR Starter
- Motor Horsepower: 25
- Pump RPM: 1750
- Manufacturer: Hydromatic
- Model: S4L
- 419-289-3042
- Wetwell: 6' Diameter
- Vol: 1,200 gal
- Condition: Good

**Pump Two:**
- Type: Submersible  
- Discharge Diameter: 4"
- Control: Float / FVNR Starter
- Motor Horsepower: 25
- Pump RPM: 1750
- Manufacturer: Hydromatic
- Model: S4L
- 419-289-3042
- Wetwell: 6' Diameter
- Vol: 1,200 gal
- Condition: Good

**Discharge Diameter:** 4"

**Firm Capacity:** 186 gpm

**Design Point (flow):** 340 gpm

**Design Point (pressure):** 128 feet of water

**Generator:**
- Generator Olympian D50P3
- Condition: good

**Grinder:**
- Manufacturer: JWC Environmental
- Model: Channel Monster
- Condition: good

**Odor:**
- At the Fence: 0.002 ppm
- Wetwell: 0.370 ppm
- Odor Control: Bioxide
- Condition: Fair

**Sound:**
- At the Fence: 68 dB Gen off
- Wetwell: 66 db Pump off
- At the Fence: 93 dB Gen on
- Wetwell: 74 db Pump on

**Comments:**
- 6' diameter wetwell, coating almost gone
- rusty chemical pumps
- guide support brackets and angle beam have surface corrosion
- very shallow wetwell
- aluminum hatch is in poor condition
- evidence of flooding or surcharging
- CMU valve vault has some dampness, rusty valves
- hinges on wet well hatches appear significantly corroded
- center of wetwell frame cut for pump removal
- Chemical Building stained inside/outside.
Blanche Drive PS Pump Curve