

Town of Cary Pump Station Inspection Sheet



Facility Name: Walnut Creek PS

Inspection Date: 3/10/2010

ID Number: 002

Pump

Condition: Good

Type: Submersible

Pump One: 1,788 gpm

Discharge Diameter: 18"

Pump Two: 2,437 gpm

Control: RVAT

Pump Three: 2,065 gpm

Motor Horsepower: 25

Firm Capacity 2,672 gpm

Pump RPM: 1750

Design Point (flow): 2700 gpm

Model: AF 1600

Design Point (pressure): 138 feet of water

Manufacturer: ABS Pumps

Rep: Pete Duty & Associates

203-238-2700

919-220-4156

Wetwell: 20' by 12' 5' Deep

Vol: 9,000 gal

Odor:

At the Fence: 0.002 ppm

Wetwell: 0.210 ppm

Odor Control: Ferrous Sulfate/Biofilter

Condition: Good

Generator:

Generator:

Condition: Good

Marathon Electric

938 KVA

Model 573RSL2053A-P318W

750 KW

Grinder:

Grinder with bar screen by-pass

Condition: Fair

Sound:

At the Fence: 69 dB Gen off

Wetwell: 77 db Pump off

At the Fence: 81 dB Gen on

Wetwell: 76 db Pump on

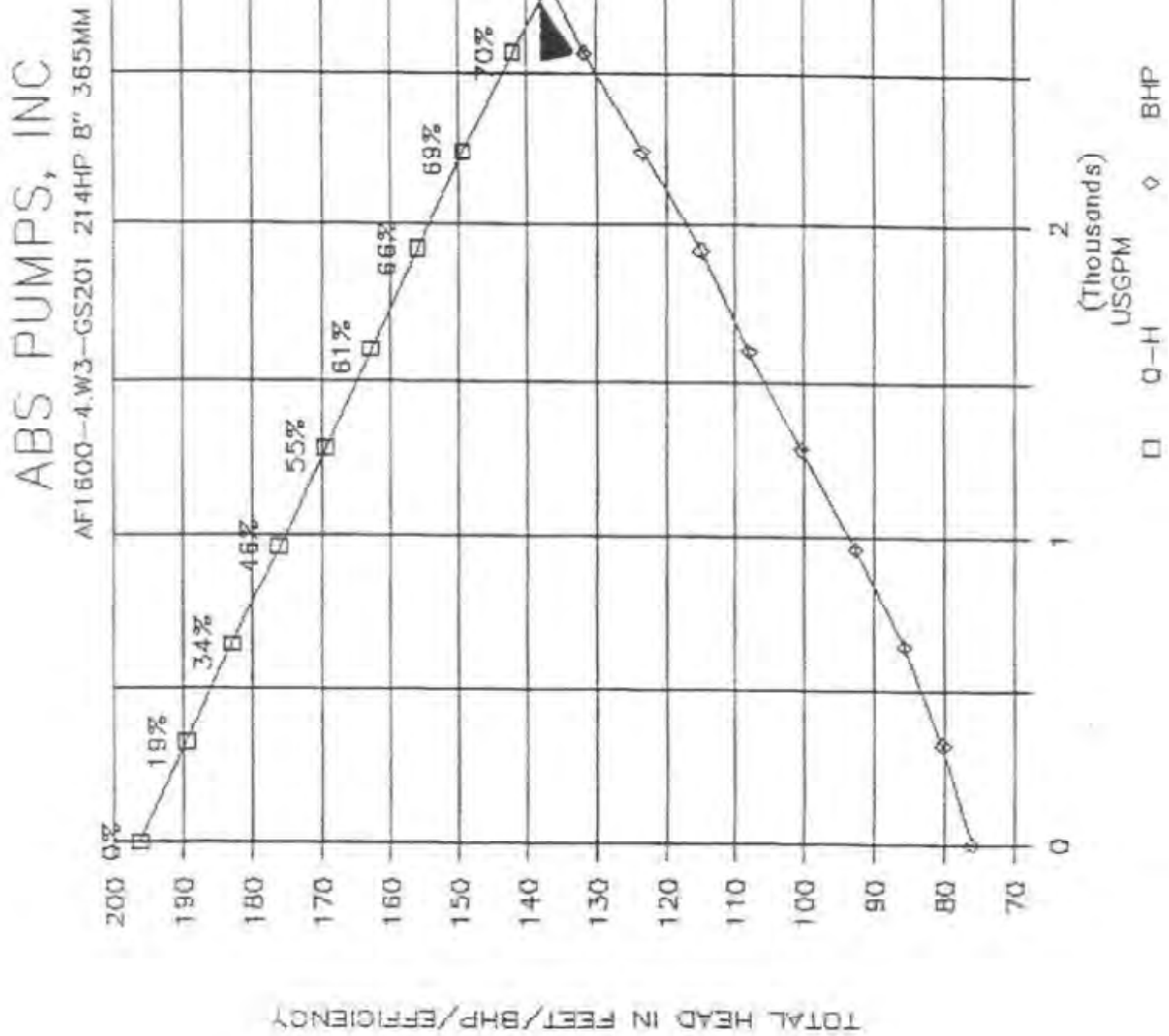
Comments:

- Building trim needs paint to prevent rot.
- Wetwell does not appear to be coated, but appear to be in good condition.
- Pump guides in good condition. Steel guide supports are in fair condition.
- Valves in valve vault has surface rust.
- Valve vault is damp.
- Inside pump control panel is showing its age.
- Concrete side walk stained by Ferrous Sulfate (Cosmetic only).
- Chemical pump looks newer and has only cosmetic defects. Older pump appears to be close to the end of its life cycle.
- Top rung of the grinder manhole entrance is broken
- Biofilter is working. H₂S level on top on the filter was 0.004 ppm.
- Rain runoff is getting into the Generator enclosure.
- Paint and grout defects on crane and crane base.

Town of Cary Pump Station Inspection Sheet



Walnut Creek PS Pump Curve



Town of Cary Pump Station Inspection Sheet



Walnut Creek Pump Station



Control Panel



Crane



Crane Base



Odor Control



Crane Base



Town of Cary Pump Station Inspection Sheet



Walnut Creek Pump Station



Wetwell



Valves



Grinder



Bar Screen



Chemical Pump



Chemical Pumps

