Facility Name: Walnut Creek PS
ID Number: 002

Pump
- Type: Submersible
- Discharge Diameter: 18"
- Control: RVAT
- Motor Horsepower: 25
- Pump RPM: 1750
- Model: AF 1600
- Manufacturer: ABS Pumps
- Rep: Pete Duty & Associates
  203-238-2700 919-220-4156
- Wetwell: 20' by 12' 5' Deep
- Vol: 9,000 gal
  Design Point (flow): 1,788 gpm
  Design Point (pressure): 138 feet of water
  Firm Capacity: 2,672 gpm

Odor:
- At the Fence: 0.002 ppm
- Wetwell: 0.210 ppm
- Odor Control: Ferrous Sulfate/Biofilter
  Condition: Good

Generator:
- Generator: Marathon Electric
  Model 573RSL2053A-P318W
  938 KVA
  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 Pump Station

Wetwell

Valves

Grinder

Bar Screen

Chemical Pump

Chemical Pumps