Town of Cary Pump Station Inspection Sheet

Facility Name: Woodlands  
ID Number: 41

Pump
- Type: Submersible
- Discharge Diameter: 6"
- Control: Float / FVNR Starter
- Wetwell: 6' Diameter 6'-1" Deep
  Firm Capacity: 370 gpm
  Vol: 3,100 gal

Condition: Like New
Pump One: 377 gpm
Pump Two: 370 gpm

Odor:
- At the Fence: 0.002 ppm
- Wetwell: 0.140 ppm
- Odor Control: Carbon Canister/Bioxide
  Condition: Like New

Generator:
- Generator: Detroit Diesel
  Model 125RJS6DT3
  Condition: Like New
  KVA: 156  KW: 125

Grinder:
- Grinder: Muffin Monster
  Condition: Like New

Sound:
- At the Fence: 58 dB Gen off
- Wetwell: 59 db Pump off
- At the Fence: 81 dB Gen on
- Wetwell: 63 db Pump on

Comments:
- station is new
- carbon canister lowered the H2S from 0.14 to 0.03 ppm
<table>
<thead>
<tr>
<th>Pump Station</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>4&quot; 5453</td>
</tr>
<tr>
<td>Make</td>
<td>MVK</td>
</tr>
<tr>
<td>Submersible</td>
<td>Type K, Bladeless</td>
</tr>
<tr>
<td>Suction Size</td>
<td>2&quot;</td>
</tr>
<tr>
<td>Impeller</td>
<td>3&quot;</td>
</tr>
<tr>
<td>Inlet Area</td>
<td>23.77 sq in</td>
</tr>
<tr>
<td>Max. Sphere</td>
<td>3&quot;</td>
</tr>
</tbody>
</table>

**Performance Chart**

- **Horsepower (HP)**
- **Flow Rate (GPM)**
- **Head (FT)**
- **Head (M)**
- **Efficiency (%)**

The chart illustrates the performance characteristics of the pump under various conditions, showing how changes in flow rate and head affect the horsepower and efficiency.
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Woodlands Pump Station
- Control Panel

Chemical Building
- Carbon Canister

Chemical Building
- Carbon Canister