

# Town of Cary Pump Station Inspection Sheet



**Facility Name:** Swift Creek PS

**Inspection Date:** 3/11/2010

**ID Number:** 001

## Pump

Type: Submersible                      Condition: Fair                      Control: VFD  
Manufacturer: ITT Flygt 770-932-4320                      Rep: RL Carlson 704-504-8804

Pumps	1	2	3	4	6	
Model:	C3351	C3351	C3351	C3132	C3132	Capacity of
Discharge Dia.:	14"	14"	14"	10"	10"	Pumps 1 & 3
Motor HP:	476	476	670	250	250	Running
RPM:	1190	1190	1190	1750	1750	Together
Tested GPM:	6,231	6,227	5,459	2,132	2,964	10,213
Tested PSI:	73	73	72	71	70	78
Wetwell: 25' by 17'		15'-2" Deep				Vol: 48,000 gal

## Odor:

At the Fence: 0.002 ppm                      Wetwell: 0.007 ppm  
Odor Control: Odor Scrubber/Ferrous Sulfide                      Condition: Good

## Generator:

Generator:    Condition: Fair

1	Caterpillar	Model 3508	1250 KVA	1000 KW
2	Caterpillar	Model 3508	1250 KVA	1000 KW
3	Cummins Power	Model P1734C1	1890 KVA	1512 KW

## Screw Conveyor

Two Screw Conveyors                      Condition: No. One Good, No. Two Poor

## 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

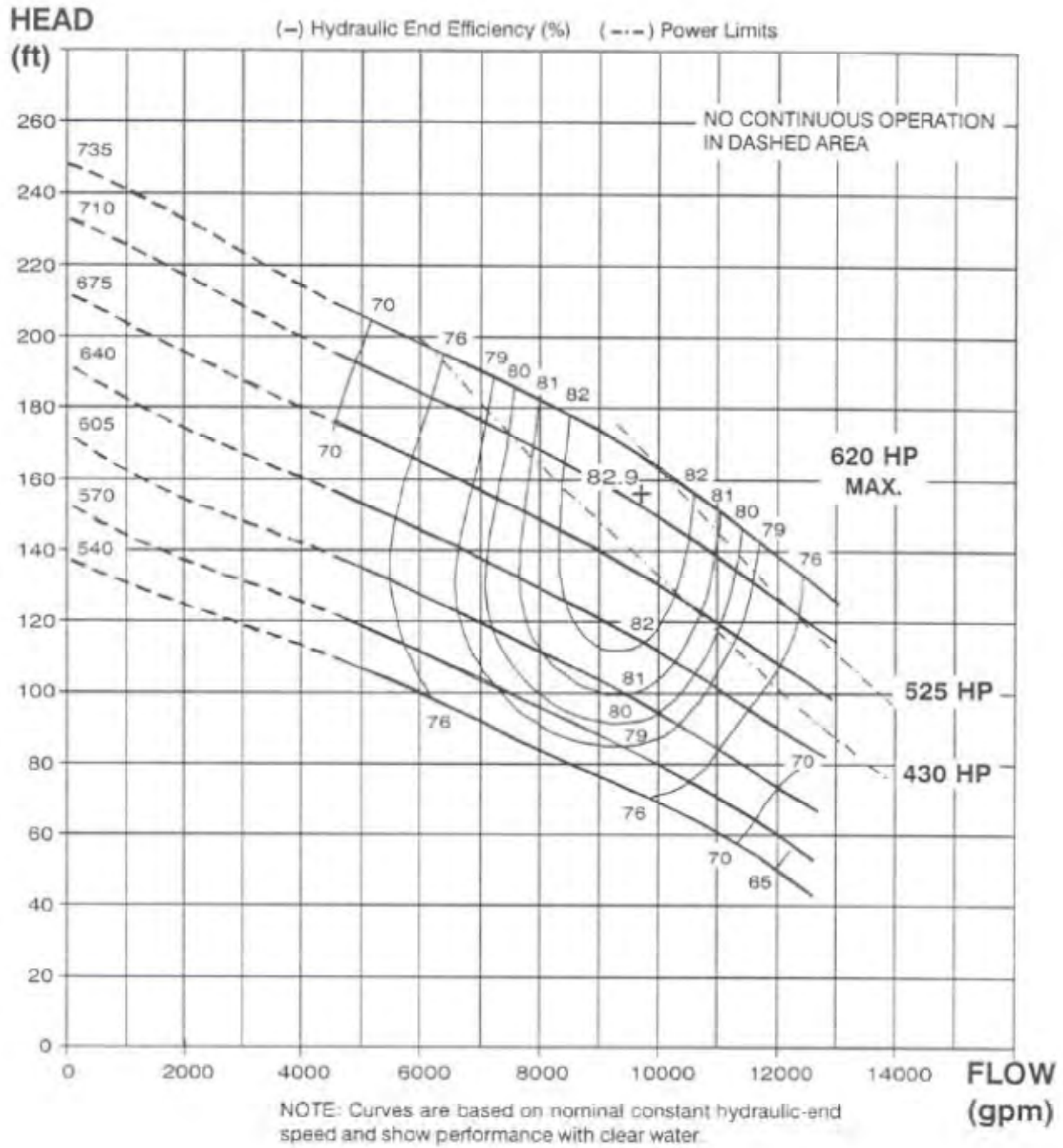
## Comments:

- building is older but still in usable condition
- some of the electronic equipment
- odor scrubber lowered the H2S from 0.007 to 0.001 ppm
- wetwell 1 is older and in fair condition
- wetwell 2 is newer and in good condition
- generator 2 would not start at first
- screw conveyor 2 severely rusting
- valve vault flooded
- monorail paint peeling

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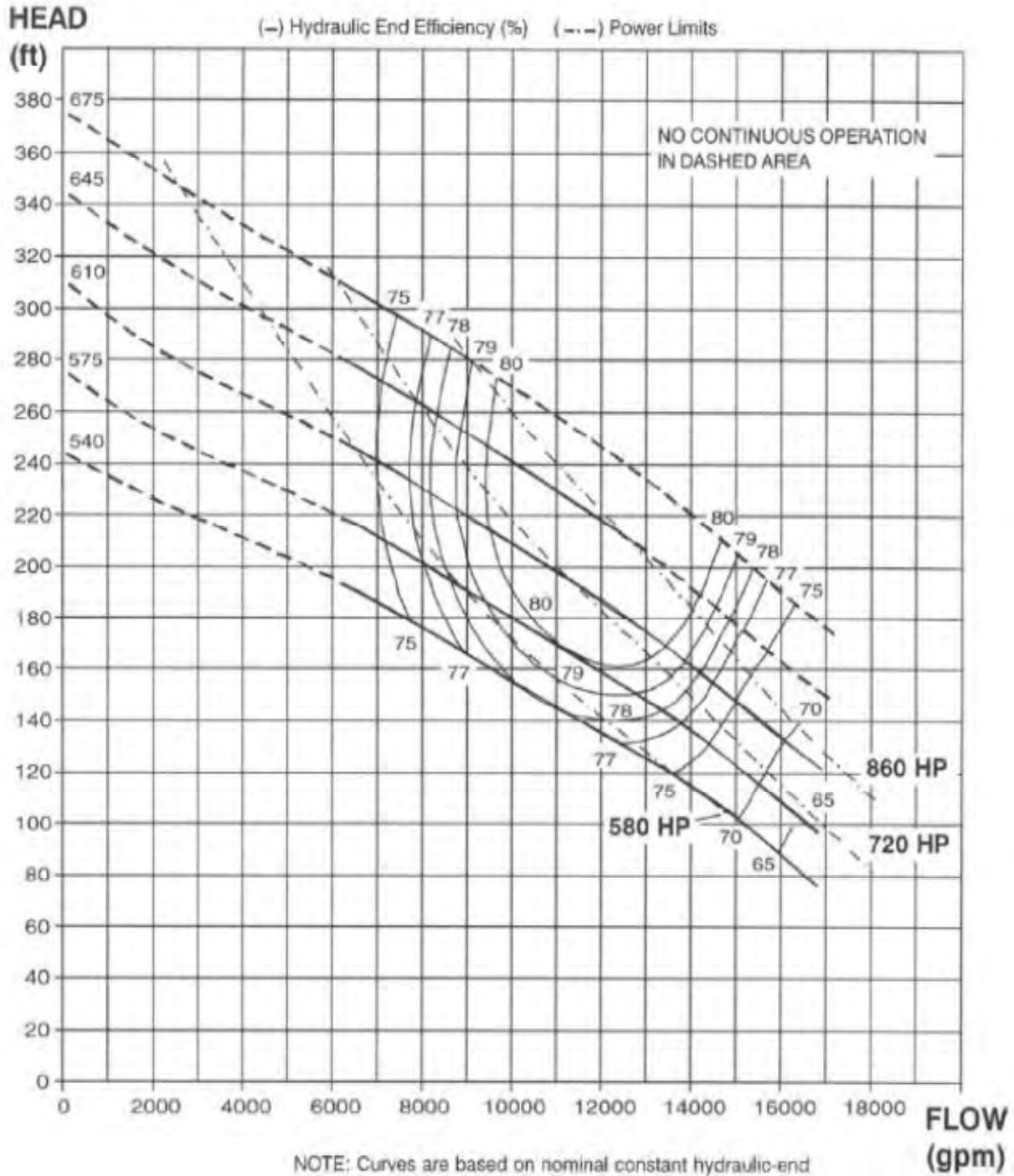
## Swift Creek PS Pump Number One and Two Pump Curve



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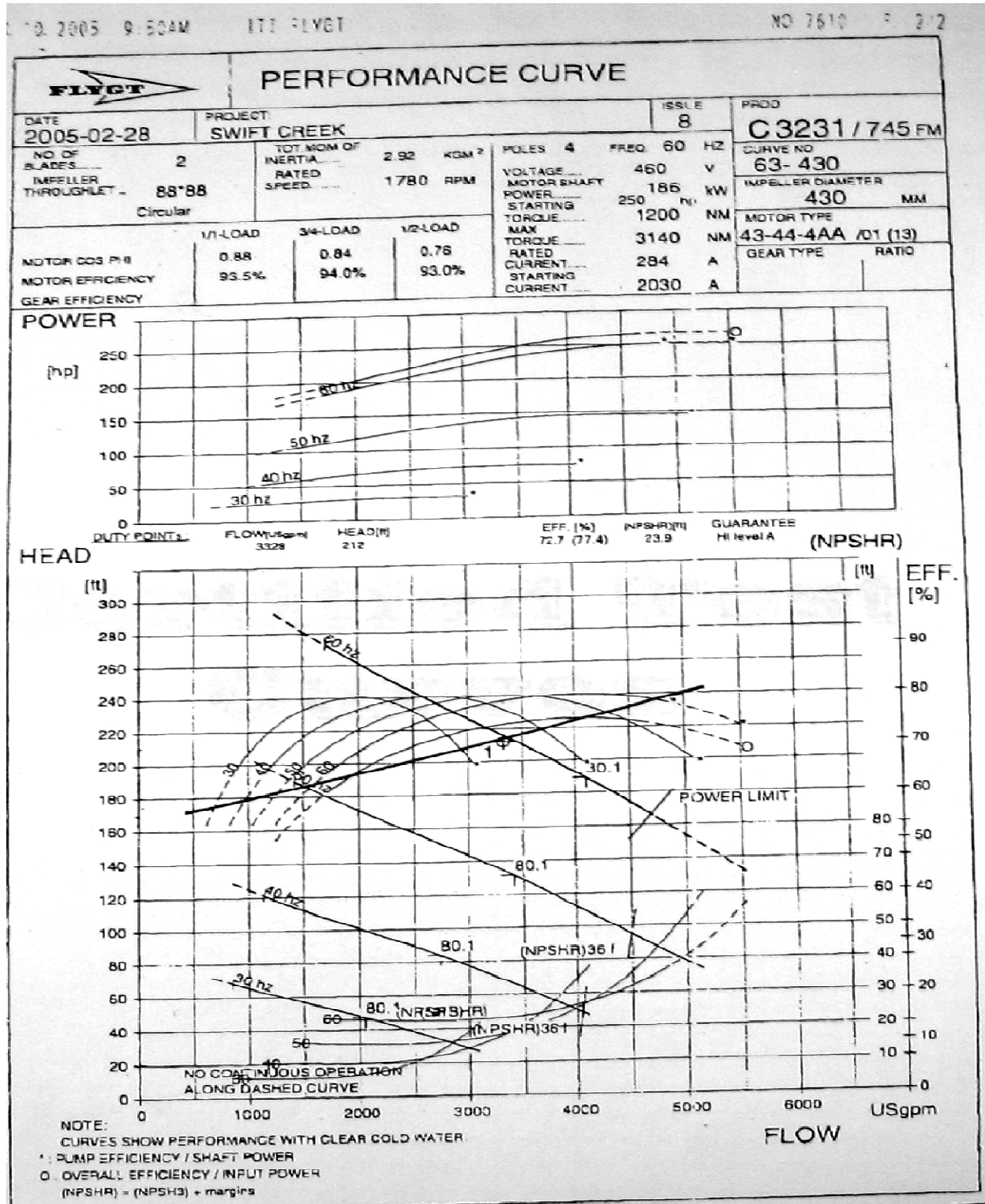
## Swift Creek PS Pump Number Three Pump Curve



# Town of Cary Pump Station Inspection Sheet



## Swift Creek PS Pump Number Four and Six Pump Curve



# Town of Cary Pump Station Inspection Sheet



Swift Creek Pump Station



SCADA Terminal



Wetwell Number 2



Wetwell Number 2



Wetwell Number 1



Generator



Town of Cary Pump Station Inspection Sheet



Screw Conveyor Number 1 (New)



Bar Screen Number 2 (Old)



Swift Creek Pump Station



Odor Control



Flooded Vault



Mag Meter Vault

