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OhioEPA

State of Ohio Environmental Protection Agency

Central District Office

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July 10, 2008

Mr. Guy Prettyman
Superintendent
Hickory Hills Golf Course
3344 Georgesville-Wrightsville Road
Grove City, OH 43123-9283

Re: Hickory Hills Golf Course
NPDES permit: 4PX00046

Dear Mr. Prettyman:

Attached is the Reconnaissance Inspection Report conducted by Ohio EPA for the sewage treatment plant serving the Hickory Hills Golf Course at 3344 Georgesville-Wrightsville Road and operating under NPDES permit 4PX00046.

There are several items in the Attachment section of the report which require a written response. Please respond in writing within 30 days of the receipt of this letter/report.

Should you have any questions, call me at (614) 728-3846.

Sincerely,

Larry Korecko

Larry Korecko
Environmental Specialist
Enforcemnent and Compliance
Division Surface Water
Central District Office

Enclosure

c: Matt Peoples, contract operator

LK/nsm Hickory Hills Golf Course RI 6-2-08

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

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NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Insp. Type	Inspector	Fac Type
4PX00046	OH0131024	08/06/02	R	S	2
Watershed	Big Darby				

Section B: Facility Data

		Entry Time	Permit Eff. Date
Facility Name:	Hickory Hills Golf Course		
Address:	3344 Georgesville-Wrightsville Rd,		11/01/03
City/State/Zip:	Grove City (Pleasant Twp), OH	**Exit Time**	**Permit Exp. Date**
			10/31/08

On-Site Representatives		**Contract Operator-**
Name:	Matt Peoples	and Guy Prettyman
Title:	contract operator	and Course Superintendent
Phone:	834-4031	878-0576

Responsible Official

Name/Title:	Guy Prettyman, Course Superintendent
Address:	3344Georgesville-Wrightsville Road, Grove City, OH 43123-9283
Phone:	614-878-0576

Section C: Areas Evaluated During Inspection:

(S=Satisfactory, U=Unsatisfactory, N=Not-Evaluated, M=Marginal)

Permit	S	Effluent/ Receiving Waters	U*
Records/Reports	S	Sludge Storage/ Disposal	S*
Operations & Maintenance	S*	Pretreatment	N/A
Facility Site Review	S	Compliance Schedules	U*
Collection System	N	Self-Monitoring Program	S
Flow Measurement	S*	Other	
Laboratory	N		

Section D: Summary of Findings/Comments:

* See Attachment

--Submit Permit to Install for dechlorination

--Explain reasons for violations and how dissolved oxygen test is performed

--Detail what internal tests are done to make sure plant is operating effeciently; why such a difference in amounts of sludge wasted ?

Name of Inspector: Larry Korecko Ohio EPA, Central District Office

Signature: Larry Korecko Date: 7-8-08

Name of Reviewer: Erin Sherer Ohio EPA, Central District Office

Signature: Erin Sherer Date: 7-8-08

ATTACHMENT

General

The Hickory Hills Golf Course sewage treatment plant was approved by Ohio EPA in January 1979 and constructed in 1979. The sewage treatment plant has a design of 3,000 gallons per day and consists of a 208 gallon grease trap, 500 gallon trash trap, extended aeration, clarification, dosing tank, two surface sand filters, and chlorination. The discharge is to an unnamed tributary of Big Darby Creek.

Permit

The first NPDES permit for this facility became effective November 1, 2003. The permit has a compliance schedule.

Compliance Schedule

The facility has missed the compliance schedule to install dechlorination. A Permit to Install (PTI) application and detail plans were to be submitted by November 1, 2004. The construction and operation of **the dechlorination device was to have been completed by November 1, 2005. To date no PTI application and plans have been received for dechlorination. Please provide in writing a schedule with dates by which you will submit a PTI and install the dechlorination equipment.**

Effluent and Permit Violations

There have been numerous violations of permit limits. These are listed on attached pages. **Please provide an explanation in writing for some of these violations and what can be done to reduce/eliminate violations.**

Operations and Maintenance

Please explain in writing what internal tests the contract operator performs to determine how long to let the blowers run, when to haul sludge, what condition the equipment is in.

Over the past few years sludge has been hauled on 4-19-05, 7-18-05, 9-25-05, 7-31-06,4-23-07,9-24-07,and 5-12-08. Amounts of sludge hauled has varied from 1,000 gallons to 4,100 gallons. **What is the explanation for such a wide difference in amounts hauled?**

Laboratory

Facility personnel collect samples and have them analyzed by MASI Laboratory. In light of some tremendously high suspended solids results in December 2007, you may want to check with your contract operator to be sure you are taking samples correctly. **How are dissolved oxygen results obtained? Please explain procedure used for this test.**

Flow

Flow is measured by time lapse meters on the dosing pumps. The average daily flow
for May –Sept 2005 was 1295 gpd
for May – Sept 2006 was 1124 gpd
for May – Sept 2007 was 1292 gpd

These flows are well under the design flow of the plant.

Please check flows for May 27, 2007 which was reported as 4796 gpd and for July 31, 2007 which was reported as 6406 gpd.
If these flows are incorrect please resubmit corrected monthly report.

Additional

Attached is a list of consultants who have submitted Permit to Install applications for small jobs like dechlorination units in the Central District Office. They have a Professional Engineer who can sign off on the plans.

Bob Wolfe Engineering 614-792-0485
ME Companies (attn: Ed Hendricks) 614-818-4900
ADR & Associates 614-891-8643
Site Engineering 614-759-9900
Chenevey & Peccin Engineering 614-798-8000
Michael Clark & Associates 614- 474-6333
M & K Engineering 937-842-2698

HICKORY HILLS GOLF

Get New Data

VIOLATIONS JANUARY 2007 THROUGH APRIL 08

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4PX00046*AD	March 2007	001	00530	Total Suspended Solids	30D Conc	12	104.	3/1/2007
4PX00046*AD	March 2007	001	00530	Total Suspended Solids	7D Conc	18	104.	3/15/2007
4PX00046*AD	March 2007	001	00530	Total Suspended Solids	30D Qty	0.14	.25429	3/1/2007
4PX00046*AD	March 2007	001	00530	Total Suspended Solids	7D Qty	0.20	.25429	3/15/2007
4PX00046*AD	June 2007	001	80082	CBOD 5 day	30D Conc	10	22.	6/1/2007
4PX00046*AD	June 2007	001	80082	CBOD 5 day	7D Conc	15	22.	6/15/2007
4PX00046*AD	June 2007	001	80082	CBOD 5 day	30D Qty	0.11	.14406	6/1/2007
4PX00046*AD	August 2007	001	00530	Total Suspended Solids	30D Conc	12	48.	8/1/2007
4PX00046*AD	August 2007	001	00530	Total Suspended Solids	7D Conc	18	48.	8/15/2007
4PX00046*AD	August 2007	001	00530	Total Suspended Solids	30D Qty	0.14	.25531	8/1/2007
4PX00046*AD	August 2007	001	00530	Total Suspended Solids	7D Qty	0.20	.25531	8/15/2007
4PX00046*AD	August 2007	001	50060	Chlorine, Total Residu	1D Conc	0.019	60.	8/19/2007
4PX00046*AD	December 2007	001	00530	Total Suspended Solids	30D Conc	12	2160.	12/1/2007
4PX00046*AD	December 2007	001	00530	Total Suspended Solids	7D Conc	18	2160.	12/15/2007
4PX00046*AD	December 2007	001	00530	Total Suspended Solids	30D Qty	0.14	2.86146	12/1/2007
4PX00046*AD	December 2007	001	00530	Total Suspended Solids	7D Qty	0.20	2.86146	12/15/2007
4PX00046*AD	December 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	8.9	12/1/2007
4PX00046*AD	December 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	8.9	12/15/2007
4PX00046*AD	December 2007	001	80082	CBOD 5 day	30D Conc	10	12.	12/1/2007
4PX00046*AD	December 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.9	12/17/2007

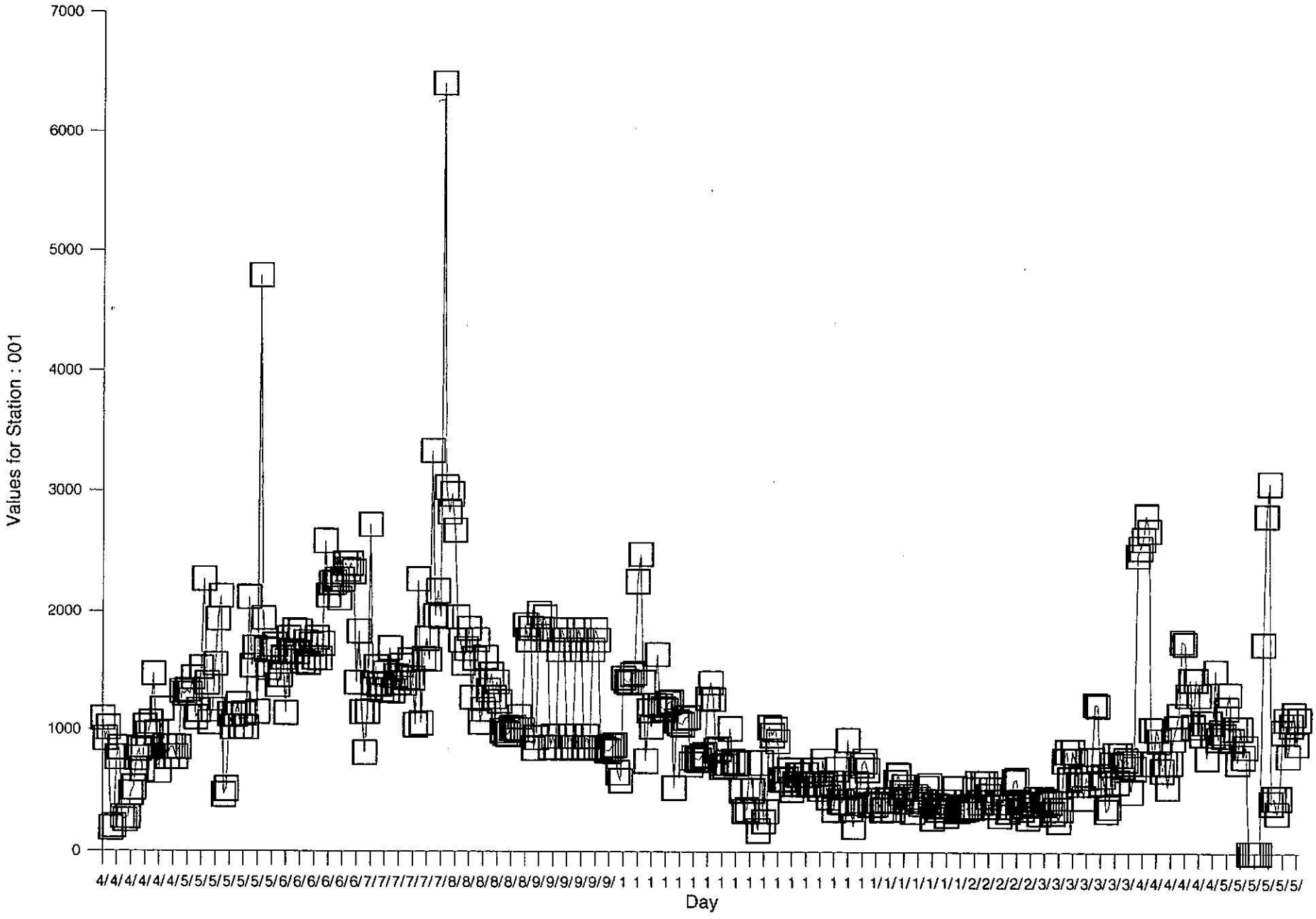
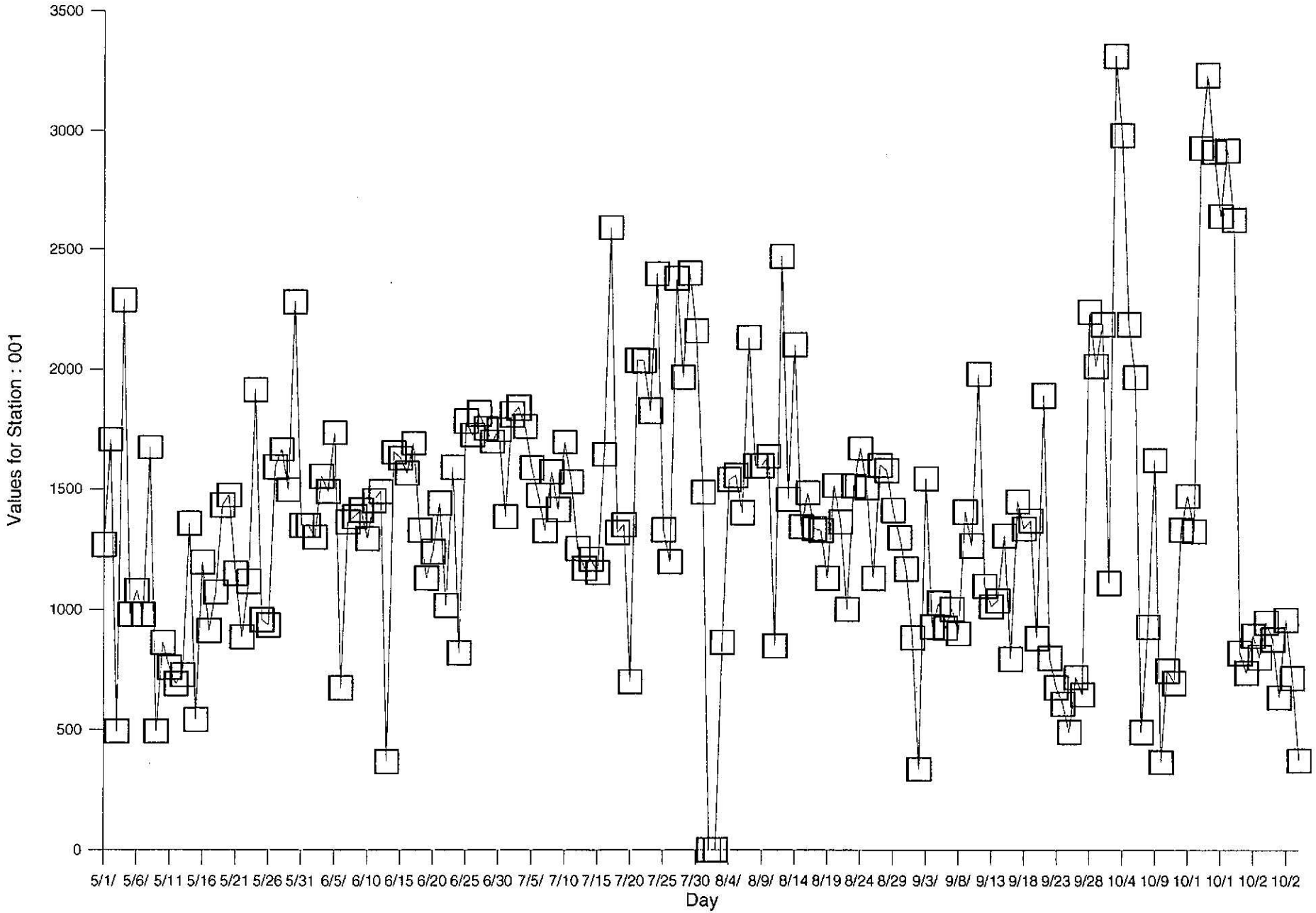
HICKORY HILLS GOLF COURSE

Get New Data

VIOLATIONS JANUARY 2005 THROUGH DECEMBER 2006

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4PX00046*AD	August 2005	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.9	8/1/2005
4PX00046*AD	August 2005	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.9	8/15/2005
4PX00046*AD	August 2005	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.011	.01284	8/1/2005
4PX00046*AD	December 2005	001	80082	CBOD 5 day	30D Conc	10	20.	12/1/2005
4PX00046*AD	December 2005	001	80082	CBOD 5 day	7D Conc	15	20.	12/15/2005
4PX00046*AD	August 2006	001	80082	CBOD 5 day	30D Conc	10	20.	8/1/2006
4PX00046*AD	August 2006	001	80082	CBOD 5 day	7D Conc	15	20.	8/15/2006
4PX00046*AD	August 2006	001	50060	Chlorine, Total Residu	1D Conc	0.019	.52	8/21/2006
4PX00046*AD	March 2006	001	80082	CBOD 5 day	30D Conc	10	20.	3/1/2006
4PX00046*AD	March 2006	001	80082	CBOD 5 day	7D Conc	15	20.	3/1/2006
4PX00046*AD	June 2006	001	00530	Total Suspended Solids	30D Conc	12	16.	6/1/2006
4PX00046*AD	June 2006	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	24.9	6/1/2006
4PX00046*AD	June 2006	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	24.9	6/15/2006
4PX00046*AD	June 2006	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.011	.10669	6/1/2006
4PX00046*AD	June 2006	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.017	.10669	6/15/2006
4PX00046*AD	June 2006	001	31616	Fecal Coliform	30D Conc	1000	4300.	6/1/2006
4PX00046*AD	June 2006	001	31616	Fecal Coliform	7D Conc	2000	4300.	6/15/2006
4PX00046*AD	June 2006	001	80082	CBOD 5 day	30D Conc	10	24.	6/1/2006
4PX00046*AD	June 2006	001	80082	CBOD 5 day	7D Conc	15	24.	6/15/2006
4PX00046*AD	June 2006	001	50060	Chlorine, Total Residu	1D Conc	0.019	.09	6/19/2006
4PX00046*AD	June 2006	001	00300	Dissolved Oxygen	1D Conc	6.0	3.3	6/19/2006

Hickory Hills Golf Club 4PX00046*AD :
Period : 04/01/2007 to 05/31/2008 Parameter : Flow Rate (GPD)



Hickory Hills Golf Club 4PX00046*AD :
Period : 04/01/2006 to 10/31/2006 Parameter : Flow Rate (GPD)