



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Rd.  
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468  
www.epa.ohio.gov

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

Re: Hardin County  
Package WWTP  
NPDES Permit

April 28, 2010

Mr. Michael Smith, P.E., P.S.  
Hardin County Engineer  
1040 West Franklin Street  
Kenton, Ohio 43326

Dear Mr. Smith:

On April 15, 2010, inspections were conducted on the County owned package wastewater treatment plants serving the Fairwayview Subdivision, Eldridge Station Hills Estates and Reed Road Subdivision. Mr. Tim McKee was present and provided information on operation and maintenance of the plants. Our inspection findings are as follows:

**Reed Road Subdivision**

The trash trap at the head of the plant is pumped out twice per year. The contents of the aeration tank had good color and mixing. One intermittent sand filter was ponded with water and in operation. The other was clean. The final effluent was clear.

**Eldridge Station Hills Estates**

The trash trap is pumped out twice per year. The contents of the aeration tank had good color and mixing. The final effluent discharge was clear.

**Fairwayview Subdivision**

The aeration tanks had good color and mixing. The fixed media filters had some solids on the media surface. One intermittent sand filter was in operation. The other was clean. The final effluent was clear.

As discussed during the inspection, the Fairwayview Subdivision WWTP is considered to be in significant non-compliance with NPDES permit limits for ammonia. Actions must be taken to return this plant to compliance in order to avoid escalated enforcement action. Please inform this office in writing as to the reasons for the above referenced violations, as well as a description of the actions taken or proposed to prevent any further violations. Your response should include the dates, either actual or proposed, for completion of the actions.

Mr. Michael Smith, P.E., P.S.  
April 28, 2010  
Page 2

Our completed inspection reports are enclosed for your records. If you have any questions, please call me at (419) 373-3008.

Sincerely,



Thomas Poffenbarger, P.E.  
District Engineer  
Division of Surface Water

/llr

Enclosures

pc: Hardin County Commissioners, w/enclosures  
DSW-NWDO Files (3) 

OPERATION AND MAINTENANCE INSPECTOR

0.025 to 1.0 MGD

Application No. OH 0039292

Facility Name Roots Fairwayview Subdivision Ohio Permit No. 2PG00012  
 Facility Address 16120 State Route 309, Kenton, OH 43326 Date 4/15/2010 Time 11:15  
 City Kenton County Hardin Township Pleasant  
 Name and Address of Owner Hardin County Commissioners, One Courthouse Square, Suite 100, Kenton, OH 43326 Phone \_\_\_\_\_  
 Person Contacted Hardin County Engineering Dept, Mr. Tim McKee Phone 419-674-2222  
 Flow: Design 33000 GPD Present 13400 GPD (metered) - estimated)  
 Trib. Pop. \_\_\_\_\_ (actual-estimated) Weather at time of inspection 65° Sunny  
 OEPA Personnel Thomas Poffenbarger, P.E. District NWDO

STORET I.D. No. 39 \_\_\_\_\_

NOTATIONS BY EVALUATOR							
1. OPERATION AND MAINTENANCE PROBLEMS DEFICIENCIES							
CHECK EACH OF THE FOLLOWING ITEMS IN TERMS OF THEIR ESTIMATED ADVERSE EFFECTS ON THE PERFORMANCE OF THE PLANT							
ITEM	MAJOR	MINOR	NONE	ITEM	MAJOR	MINOR	NONE
STAFF COMPLEMENT				OVERLOADS (type)			
PERSONNEL TRAINING				HYDRAULIC			
OPERATOR BUDGET				PERIODIC			
LABORATORY CONTROL				CONTINUOUS			
INSTRUMENTATION				ORGANIC			
INDUSTRIAL WASTE				PERIODIC			
PLANT OBSOLESCENCE				CONTINUOUS			
EQUIPMENT FAILURE:				OVERLOAD CAUSES:			
TREATMENT PROCESSES				INFILTRATION			
SLUDGE HANDLING AND PROCESSING				COMBINED SEWERS			
				INDUSTRIAL GROWTH			
EQUIPMENT MAINTENANCE				RAPID POPULATION GROWTH			
SPARE PARTS INVENTORY				INCREASED SERVICE AREA			
POWER FAILURE				OTHER:			
				OTHER:			

2. PLANT PERSONNEL INVENTORY								
PERSONNEL CLASSIFICATION  (a.)	EMPLOYMENT  (b.)				CERTIFICATION  (c.)		TRAINING REQUIRED NEXT 12 MONTHS  (d.)	
	ACTUAL		NUMBER BUDGETED	NO. RE-COMMENDED	MANDATORY		NEW HIRES	UPGRADE (Promotion or skill improvement)
	MANHOURS PER WEEK	NUMBER			NO. RECOMMENDED OR REQUIRED BY STATE	ACTUAL NO. CERTIFIED		
1. MANAGEMENT SUPERVISOR								
2. OPERATOR	10	1						
3. LABORATORY								
4. MAINTENANCE								
5. OTHER PLANT WORKERS								
6. OTHER OFFICE WORKERS								
7. TOTAL								

3. PURPOSE OF INSPECTION				4. GENERAL RATING			
___ GRANT COMPLIANCE		___ FOLLOW-UP		ACCEPTABLE			
___ PERMIT COMPLIANCE		___ OTHER:		CONDITIONAL ACCEPTANCE			
UNACCEPTABLE							
EVALUATION PERFORMED BY		TITLE		ORGANIZATION		DATE	
Thomas Poffenbarger, P.E.		Env. Spec. II		Ohio EPA - NWDO		4/15/10	
INFORMATION FURNISHED BY		TITLE		ORGANIZATION		DATE	
Tim McKee		Operator		HARDIN Co.		4/15/10	

GUIDE - VISUAL OBSERVATION - UNIT PROCESS

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation.

CONDITION OR APPEARANCE		RATING	COMMENTS
GENERAL	GROUNDS		
	BUILDINGS		
	POTABLE WATER SUPPLY PROTECTION		
	SAFETY FEATURES		
	BYPASSES		
	STORMWATER OVERFLOWS		
PRELIMINARY	MAINTENANCE OF COLLECTION SYSTEMS		
	PUMP STATION		
	VENTILATION		
	BAR SCREEN		
	DISPOSAL OF SCREENINGS		
	COMMINUTOR		
	GRIT CHAMBER		
	DISPOSAL OF GRIT		
	Trash Trap	IN	1 unit - Pumped 3x Year
	Equalization	IN	Aerated
PRIMARY	SETTLING TANKS		
	SCUM REMOVAL		
	SLUDGE REMOVAL		
	EFFLUENT		
SLUDGE DISPOSAL	DIGESTERS		
	TEMPERATURE AND PH		
	GAS PRODUCTION		
	HEATING EQUIPMENT		
	SLUDGE PUMPS		
	DRYING BEDS	IN	2 Beds 1 clean 1 some solids
	VACUUM FILTER		
	INCINERATION		
	DISPOSAL OF SLUDGE		Hauled to a PoTW
	Sludge Storage	IN	1 Tank / Aerated
OTHER	FLOW METER AND RECORDER	IN	
	RECORDS		
	LAB CONTROLS		
SECONDARY-TERTIARY (LIST ITEMS AS REQUIRED)	Aeration Tanks	IN	3 units Brown
	Clarifier	IN	2 units Clear - Algae + solids around weir
	Sludge Returns	IN	2 units Dark Brown
	Skimmer	IN	1 unit Clear
	Fixed Media Clarifiers	IN	2 units
	Sand Filters	IN	2 units
CHLORINE	EFFLUENT	S	Clear
	CHLORINATORS	OUT	Tablet Feeder
	EFFECTIVE DOSAGE		
	CONTACT TIME		
	CONTACT TANK		
	Dechlorination	OUT	Tablet Feeder

ANNUAL BUDGET FOR MAINTAINING AND OPERATING PLANT

SALARIES & WAGES	ELECTRICITY	CHEMICALS	MAINTENANCE	STAFFING & TRAINING	OTHER	TOTAL