



Environmental
Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

February 23, 2012

Robert E. Parker, County Engineer
Walnut Heights Subdivision WWTP
207 South Court Street
Circleville, OH 43113

**Re: Walnut Heights Subdivision
NPDES Permit 4PG00018/ OH0101834
Reconnaissance Inspection
Pickaway County
Notice of Violation**

Dear Mr. Parker:

On February 17, 2012, a Reconnaissance Inspection was conducted at the Walnut Heights Subdivision. Present for the inspection were Chris Mullins and Paul Jacobs of the Pickaway County Engineer's Office. Sheree Gossett-Johnson and Paul Vandermeer represented the Ohio EPA, Central District Office, Division of Surface Water.

The purpose of the inspection was to evaluate compliance with the terms and conditions of your NPDES permit and to evaluate the operation and maintenance of the plant. During the inspection the following items were noted:

- The facility continues in significant non-compliance due to ongoing violations of the NPDES permit (see Attachment).
- Of the two blower units at the facility, only one is in working condition. The facility shall return the second blower unit to service as quickly as possible, but no later than March 30, 2012, in order to have a backup should the currently functioning blower stop working or require maintenance.
- Inflow and infiltration (I&I) into the sanitary sewer system and sanitary sewer overflows appear to be a significant problem as noted in the Attachment. The highest flow event (0.196 MGD) was over 3 times the design criteria for the plant. Please provide a schedule to eliminate excessive I&I to this office.

- Backup power for the WWTP is provided by a portable unit when needed.
- The ultrasonic flow meter has not been calibrated by an outside source on an annual basis as required in the NPDES permit. The facility must have the unit calibrated by an appropriate contractor with confirmation of calibration sent to this office.
- Tanks within the WWTP are not covered and pose a safety risk. The facility must provide either covers or fencing/railings to ensure that employees and others are protected from accidental falls into treatment tanks.
- Signage installed at the outfall must be updated to note the underwater discharge from the facility. Once the sign is updated and in place please send a photograph via e-mail to Paul Vandermeer showing the new signage at the outfall.
- Spent filter sand has been stockpiled adjacent to the sand beds. This is unacceptable. Spent sand must be appropriately disposed. Stockpiled sand must be collected and disposed at an approved solid waste facility. Please forward documentation (photograph and signed contract for disposal) to this office confirming that disposal has taken place. In the future, newly removed spent filter sand should be bagged or contained and then appropriately disposed.
- The retaining wall enclosing the sand filter beds adjacent to the hill is failing and should be shored up or replaced to forestall collapse.

Please respond in writing to Paul Vandermeer by March 30, 2012 outlining the steps to correct the problems noted in the bullets above. If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3854 or e-mail at paul.vandermeer@epa.ohio.gov.

Sincerely,



Paul L. Vandermeer
Environmental Specialist
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Paul L. Vandermeer

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PG00018	OH0101834	RI	S	1
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
2/17/2012	11:10 AM	11:45 AM	Yes	Yes

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
Walnut Heights Subdivision WWTP Cornstalk Drive off Cromley Road Ashville, OH 43103	4/1/2007
	Permit Expiration Date
	3/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Chris Mullins, Operator	(740) 474-3360
Name and Title of Responsible Official	Phone Number
Robert E. Parker, County Engineer	(740) 474-3360

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
U	NPDES Compliance	See violations in attachment
M	Operations & Maintenance	Only one blower in working condition
M	Facility Site Review	Used filter sand disposed alongside beds, no tank covers
U	Collection System	SSO, inflow and infiltration problematic
M	Flow Measurement	Ultrasonic, no recent calibration, please calibrate and submit the date of calibration to this office by March 30, 2012.
S	Receiving Waters	Underwater discharge, sign must be updated
N	Laboratory	Circleville WWTP performs sample analysis

Comments:

Signatures			
	2/22/12		2/23/12
Paul L. Vandermeer, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office	Date

Attachment: Compliance Data for Walnut Heights Subdivision between 1/1/2011 to 2/1/2012

Summary

Permit Effluent Limit Violations: 8
 Permit Effluent Code Violations: 1
 Permit Effluent Frequency Violations: 0
 Compliance Schedule Violations: 0
 Reported SSO Events: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2011	001	Chlorine, Total Residu	1D Conc	0.038	.06	5/10/2011
May 2011	001	Chlorine, Total Residu	1D Conc	0.038	.06	5/20/2011
August 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	2.0	5.415	8/1/2011
August 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	3.0	4.54	8/1/2011
August 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	3.0	6.29	8/15/2011
September 2011	001	Dissolved Oxygen	1D Conc	5.0	4.87	9/15/2011
October 2011	001	Nitrogen, Ammonia (NH3)	30D Conc	2.0	3.2205	10/1/2011
October 2011	001	Nitrogen, Ammonia (NH3)	7D Conc	3.0	6.36	10/15/2011

Code Violations				
Reporting Period	Station	Parameter	Reported Value	Violation Date
October 2011	001	Fecal Coliform	AK	10/6/2011

Walnut Heights Subdiv SSO Events	Units	Date	Reported Value
Overflow Occurrence	No./Month	12/6/2011	0.001
Overflow Occurrence	No./Month	1/23/2012	0.0001

Flow Data for Walnut Heights Subdiv between 1/1/2011 and 2/1/2012

	Date	Flows (MGD)
Ten Highest Flows	1/27/2012	0.196
	12/7/2011	0.170
	12/23/2011	0.155
	12/8/2011	0.129
	12/29/2011	0.108
	1/31/2012	0.105
	12/9/2011	0.100
	11/29/2011	0.099
	12/26/2011	0.098
	12/27/2011	0.096
Average Flow Rate		0.023