



Environmental
Protection Agency

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

May 29, 2012

Christopher Ingram, Plant Operator
Fairbanks Middle & HS
11158 State Route 38
Milford Center, OH 43045

Re: **Fairbanks Middle & HS**
NPDES Permit 4PT00123/ OH0131016
Semi-Public CEI
Union County

Dear Mr. Ingram:

On May 17, 2012, a Semi-Public CEI was conducted at the Fairbanks Middle & HS. Present for the inspection were you, the operator of record, and myself of 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.

Findings:

1. Attached are the compliance tables between January 2011 and April 2012. The facility has largely been compliant with effluent limits.
2. Preliminary treatment consists of a grease trap with an estimated capacity of 10,000 gallons. During the inspection the grease trap appeared in need of pumping. **Please pump the grease trap and notify me via e-mail.**
3. There are 4 sand beds, 2 of which are used frequently. There appears to be little sand aggregate remaining within the sand beds. **Please replace sand and gravel aggregate and notify me via e-mail when completed.**
4. You currently keep your records and log book in a folder which you carry with you. Some of the information is required to be kept on-site in a log book, preferably a hard bound book. **Please maintain records on-site and notify me when a record system is in place.**
5. A marker was required to be installed at the outfall by April 1, 2009. No marker was present at the outfall. **A marker must be installed as soon as possible. Please notify me when the sign is installed.**

Christopher Ingram, Plant Operator
Fairbanks Middle & HS
Page -2-

6. No form of dechlorination is used although there have been infrequent exceedances of chlorine. As a reminder, analyses of chlorine should start immediately after sampling. If you are using your composite sample for chlorine analysis, a grab sample should be used instead.

Attached is the Inspection Checklist. **Please contact me by July 1, 2012, with how you are addressing the issues noted above.** If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3846 or e-mail at cole.miller@epa.ohio.gov.

Sincerely,



Cole Miller
Environmental Specialist
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Cole Miller

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PT00123	OH0131016	CEI	S	2
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
5/17/2012	10:00 AM	11:00 AM	No	No

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
Fairbanks Middle & HS 11158 State Rt 38 Milford Center, OH 43045	12/1/2008
	Permit Expiration Date
	11/30/2013
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Christopher Ingram	
Name and Title of Responsible Official	Phone Number
Christopher Ingram, Plant Operator	(937) 537-1547

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
M	NPDES Compliance	Outfall marker must be installed. A log book and records should be maintained on-site
M	Operations & Maintenance	The sand beds appear to be in need of additional aggregate material.
S	Facility Site Review	
S	Collection System	
S	Flow Measurement	
S*	Receiving Waters	No marker installed.
N*	Laboratory	Holding times for chlorine should be less than 15 minutes

Comments:

Signatures	
 5/21/12	 5/22/12
Cole Miller, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office

Compliance Data for Fairbanks Middle & HS between 1/1/2011 to 4/1/2012

Summary

Permit Effluent Limit Violations: 2

Permit Effluent Code Violations: 0

Permit Effluent Frequency Violations: 0

Compliance Schedule Violations: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2011	001	Chlorine, Total Residu	1D Conc	0.038	.2	5/4/2011
May 2011	001	Chlorine, Total Residu	1D Conc	0.038	.3	5/19/2011

Flow Data for Fairbanks Middle & HS between 1/1/2011 and 4/1/2012

	Date	Flows (MGD)
Ten Highest Flows	2/17/2011	0.021
	10/19/2011	0.019
	3/2/2011	0.019
	6/2/2011	0.018
	3/9/2012	0.018
	6/3/2011	0.018
	6/7/2011	0.017
	3/15/2011	0.016
	5/5/2011	0.015
	11/30/2011	0.014
Average Flow Rate		0.006

Method of flow monitoring:	Hour meter at dosing tank
Type of alarms for plant:	Visual alarm on dosing tank pump

SECTION D: PRETREATMENT

Type of Pretreatment: Trash trap, ~10,000 gallons
 Does the Trash Trap need pumped: Yes
 Maintenance of pretreatment components is: Adequate

Comments/Status: A significant amount of grease was present within the trash trap. I informed Mr. Ingram to contact me as soon as the trap was pumped.

SECTION E: AERATION

Color of sludge: Brown
 Quality of Sludge: Good
 Foam: No
 Odor: No

	Yes	No		Yes	No
Aeration is taking place	X	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	X
Blowers are operating	X	<input type="checkbox"/>	Blowers are on a timer	<input type="checkbox"/>	X
Skimmers are operating	X	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	X
Diffusers are operating	X	<input type="checkbox"/>	Grating is present	X	<input type="checkbox"/>
Sludge return is operating	X	<input type="checkbox"/>			

Maintenance of aerating equipment is adequate.

Comments/Status:

SECTION F: SECONDARY TREATMENT

Clarity: Clear
 Condition of Weir: Clear
 Weir is level: Yes
 Effluent in weir: Clear
 Clarifier walls need scraped: No
 Pin floc observed: No
 Sludge blanket visible: No

Overall maintenance of settling components is: Adequate

Comments/Status:

SECTION G: TERTIARY TREATMENT

	Yes	No		Yes	No
Surface sand Filters:	X	<input type="checkbox"/>	Subsurface/Upflow	<input type="checkbox"/>	X
Distribution box operating	X	<input type="checkbox"/>	Beds alternated	X	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	X	Beds raked	X	<input type="checkbox"/>
Sand filters overgrown	X	<input type="checkbox"/>	Chlorination present	X	<input type="checkbox"/>
UV present	<input type="checkbox"/>	X	Dechlorination present	<input type="checkbox"/>	X

Frequency of cleaning: As needed.
 Fixed media upkeep: N/A
 Overall maintenance of components is: Inadequate

Comments/Status: The sandfilters are lacking in aggregate material (sand). Filter material should be purchased to ensure proper filtering.

SECTION H: SLUDGE HANDING / STORAGE DISPOSAL

Hauler name: Chris Warner
 Disposal Site: Marysville WRF
 Sludge wasted from: Aeration tanks
 How often is sludge wasted: Weekly
 Sludge drying beds: N/A Sludge holding tank: Yes

Overall maintenance of components is: Adequate

Comments/Status: The sludge holding tank is pumped three times per year.

SECTION I: RECORD KEEPING / OPERATOR OF RECORD

- (a) Wastewater Treatment Works classification (OAC 3745-7).....I
- (b) Operator of Record holds unexpired license of class required by Permit.....Y
- (c) Copy of certificate of Operator of Record displayed on-site.....N
- (d) Has the Operator of Record submitted an ORC Notification form..Y
- (e) Minimum operator staffing requirements fulfilled (OAC 3745-7)...N/E
- (f) If a Staffing Reduction plan has been approved, are the stipulations of the plan being met.....N
- (g) Operator of Record log book provided.....Y
- (h) Format of log book (e.g. computer log, hard bound book)

Loose notes

- (i) Log book kept onsite (in an area protected from weather).....N
- (j) Log book contains the following:
 - I. Identification of treatment works.....N/E
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7.....N/E
 - i. Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.).....N/E
 - ii. Laboratory results (unless documented on bench sheets)...Y
 - iii. Identification of person making entries.....N/E
- (k) Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred.....N/A

Comments/Status: A hardbound log book should be kept on site with all of the requirements of OAC 3745-7 included.

SECTION J: PLANT DISCHARGE

Discharge point is a: Stream
Name of discharge point: Buck Run
Discharge is visible: Yes
Quality of Effluent: Clear, odorless

Comments/Status: There is no marker at the bank.