



State of Ohio Environmental Protection Agency

FILE COPY

## STREET ADDRESS:

## Central District Office

## MAILING ADDRESS:

Lazarus Government Center  
50 W. Town St., Suite 700  
Columbus, Ohio 43215

TELE: (614) 728-3778 FAX: (614) 728-3898  
www.epa.state.oh.us

P.O. Box 1049  
Columbus, OH 43216-1049

July 25, 2008

Mr. David Kruple  
Village of Jeffersonville  
4 North Main Street  
Jeffersonville, OH 43128

Re: 4PB00108/OH0023604  
Compliance Inspection  
Fayette County

Dear Mr. Kruple:

Enclosed is the Compliance Inspection Report for the Village of Jeffersonville Wastewater Treatment Plant (WWTP). This inspection was conducted on July 16 2008, by Ohio EPA personnel. The purpose of this inspection was to evaluate compliance with the NPDES permit. At the time of the inspection, the facility was found to be unacceptable.

Please address the following to avoid escalated enforcement action.

1. Please address the attached list of violations, in writing, including the actions taken or to be taken to resolve any additional violations, on or before July 31, 2008.
2. Please provide this office with the last date of calibration, in writing, for your effluent flow meter, on or before July 31, 2008.
3. Please lower the MLSS within the aeration tank, through wasting, to eliminate observed solids carry over from the clarifiers to the stream, as expeditiously as possible.
4. Due to the new WWTP discharge, this office will revoke the NPDES discharge permit from the old lagoons. Please eliminate the ability for discharge from the lagoons to the stream, on or before August 29, 2008.

If you have any questions or concerns, please contact me at (614) 728-3847.

Sincerely,

Sheree Gossett-Johnson  
Environmental Specialist II  
Enforcement & Compliance  
Division of Surface Water  
Central District Office

Enclosure

SGJ/nsm Jeffersonville 2008

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

Permit #  
4PB00108

Section A: National Data System Coding  
NPDES  
OH0023604

Mo/Day/YR  
7/16/2008

Watershed  
DEER CREEK

Section B: Facility Data

Facility Name: Village of Jeffersonville  
Address: State Route 729 West  
City/State/Zip: Jeffersonville, Ohio 43128

Permit Eff. Date  
4/1/2005  
Permit Exp. Date  
3/31/2010

On-Site Representatives

Name: Charles Bauer  
Title: Plant Operator  
Phone: 936 537-1068

Responsible Official

Name/Title: David Kruple  
Address: 4 North Main Street, Jeffersonville, OH 43153  
Phone: 936 537-1068

Section C: Areas Evaluated During Inspection:

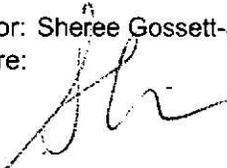
(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not-Evaluated)

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

Section D: Summary of Findings/Comments:

Please review cover letter

Name of Inspector: Sheree Gossett-Johnson

Signature: 

7/24/08

Name of Reviewer: Erin Sherer

Signature: 

7/24/08

Sections E thru K: Complete on all inspections as appropriate. (N/A - Not Applicable N/E - Not Evaluated)

**Section E. Permit Verification**

Yes No N/A N/E

## INSPECTION OBSERVATIONS VERIFY THE PERMIT

- |  |   |   |   |  |
|--|---|---|---|--|
| (a) CORRECT NAME AND MAILING ADDRESS OF PERMITTEE                          | X |   |   |  |
| (b) CORRECT NAME AND LOCATION OF RECEIVING WATERS                          | X |   |   |  |
| (c) PRODUCT(S) AND PRODUCTION RATES CONFORM WITH PERMIT                    |   |   | X |  |
| (d) FLOWS AND LOADINGS CONFORM WITH NPDES PERMIT                           | X |   |   |  |
| (e) TREATMENT PROCESSES ARE AS DESCRIBED IN PERMIT                         | X |   |   |  |
| (f) NEW TREATMENT PROCESS(ES) ADDED SINCE LAST INSPECTION                  |   | X |   |  |
| (g) NOTIFICATION GIVEN TO STATE OF NEW, DIFFERENT, OR INCREASED DISCHARGES |   |   | X |  |
| (h) ALL DISCHARGES ARE PERMITTED   | X |   |   |  |
| (i) NUMBER AND LOCATION OF DISCHARGE POINTS ARE AS DESCRIBED IN THE PERMIT | X |   |   |  |

COMMENTS/STATUS:

**Section F. Compliance Schedule and Violations**

Yes No N/A N/E

- |  |   |   |  |  |
|--|---|---|--|--|
| (a) ANY SIGNIFICANT VIOLATIONS SINCE LAST INSPECTION | X |   |  |  |
| (b) PERMITTEE IS TAKING ACTION TO RESOLVE VIOLATIONS |   | X |  |  |
| (c) PERMITTEE HAS COMPLIANCE SCHEDULE                | X |   |  |  |
| (d) COMPLIANCE SCHEDULE CONTAINED :                  | X |   |  |  |
| (e) PERMITTEE IS MEETING SCHEDULE OF COMPLIANCE      | X |   |  |  |

COMMENTS/STATUS:

See list of violation

**Section G. Operation and Maintenance**

## TREATMENT WORKS:

## TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED

Yes No N/A N/E

- |   |   |   |   |   |
|---|---|---|---|---|
| (a) STANDBY POWER AVAILABLE: GENERATOR DUAL FEED  |   | X |   |   |
| (b) ADEQUATE ALARM SYSTEM AVAILABLE FOR POWER OR EQUIPMENT FAILURES                     |   |   |   | X |
| (c) ALL TREATMENT UNITS IN SERVICE OTHER THAN BACKUP UNITS                              | X |   |   |   |
| (d) SUFFICIENT STAFF PROVIDED #SHIF <u>20 hrs</u> DAYS/Wk <u>5 week</u>                 | X |   |   |   |
| (e) OPERATOR HOLDS UNEXPIRED LISCENSE OF CLASS PROVIDED BY PERMIT- CL/ <u>Class III</u> | X |   |   |   |
| (f) ROUTINE AND PREVENTATIVE MAINTENANCE SCHEDULED/PERFORMED ON TIME                    | X |   |   |   |
| (g) ANY MAJOR EQUIPMENT BREAKDOWN SINCE LAST INSPECTION                                 |   | X |   |   |
| (h) O&M MANUAL PROVIDED AND MAINTAINED  |   |   |   | X |
| (i) ANY PLANT BYPASSES SINCE LAST INSPECTION  |   | X |   |   |
| (j) REG. AGENCY NOTIFIED OF BYPASSES--on MORs 1-800 #                                   |   |   | X |   |
| (k) ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED                                  | X |   |   |   |

COMMENTS/STATUS:

**Section G. Operation & Maintenance (continued)**

	Yes	No	N/A	N/E
COLLECTION SYSTEM:				
(a) PERCENT COMBINED SYSTEM: %				
(b) COLLECTION SYSTEM OVERFLOWS SINCE LAST INSPECTION CSO SSO			X	
(c) REGULATORY AGENCY NOTIFIED OF OVERFLOWS (SSOs)			X	
(d) CSO O&M PLAN PROVIDED AND IMPLEMENTED			X	
(e) CSOs MONITORED AND REPORTED IN ACCORDANCE WITH PERMIT			X	
(f) PORTABLE PUMPS USED TO RELIEVE SYSTEM			X	
(g) LIFT STATION ALARMS PROVIDED AND MAINTAINED			X	
(h) ARE LIFT STATIONS EQUIPPED WITH STANDBY POWER OR EQUIV.			X	
(i) ANY INFLOW/INFILTRATION PROBLEM, OR ANY MAJOR REPAIRS TO THE COLLECTION SYSTEM SINCE LAST INSPECTION	X			
(j) ANY COMPLAINTS SINCE LAST INSPECTION OF BASEMENT FLOODING				X
(k) ARE ANY PORTIONS OF THE SEWER SYSTEM AT OR NEAR CAPACITY				X
COMMENT/STATUS:				

**Section H. Sludge Management**

	Yes	No	N/A	N/E
(a) SLUDGE MANAGEMENT PLAN (SMP) IF YES, DATE SUBMITTED: APPROVAL #		X		
(b) SLUDGE MANAGEMENT PLAN CURRENT		X		
(c) SLUDGE ADEQUATELY DISPOSED OF: METHOD-				X
(d) IS SLUDGE INCINERATED IF YES, ASH IS DISPOSED AT:		X		
(e) IS SLUDGE DISPOSAL CONTRACTED IF YES, CONTRACTOR NAME:	X			
(f) HAS AMOUNT OF SLUDGE CHANGED SIGNIFICANTLY		X		
(g) ADEQUATE SLUDGE STORAGE PROVIDED AT PLANT				X
(h) LAND APPLICATION SITES MONITORED AND INSPECTED PER SMP				X
(i) RECORDS KEPT IN ACCORDANCE WITH STATE AND FEDERAL LAW				X
(j) ANY COMPLAINTS RECEIVED IN LAST YEAR REGARDING SLUDGE		X		
(k) IS SLUDGE ADEQUATELY PROCESSED (digestion, dewatering, pathogen control)				X
COMMENTS/STATUS:				

**Section I. Self Monitoring Program****Part I. Flow Measurement**

	Yes	No	N/A	N/E
(a) PRIMARY FLOW MEASURING DEVICE OPERATED AND MAINTAINED	X			
(b) CALIBRATION FREQUENCY ADEQUATE (Date of last calibration): ?			X	
(c) SECONDARY INST. (totalizer, recorder, etc.) OPERATED & MAINTAINED		X		
(d) FLOW MEASURING EQUIP. ADEQUATE FOR EXPECTED RANGES OF FLOWS			X	
(e) ACTUAL FLOW DISCHARGED IS MEASURED		X		
(f) FLOW MEASURING EQUIPMENT INSPECTION FREQUENCY: DAILY MONTHLY WEEKLY OTHER				

COMMENTS/STATUS:

Please inform this office of the last date of calibration

USEPA NPDES No.  
Ohio NPDES No.

OH0023604  
4PB00013

**Section I. Self Monitoring Program (continued)**

**Part 2. Sampling**

	Yes	No	N/A	N/E
(a) SAMPLING LOCATION(S) ARE AS SPECIFIED IN THE PERMIT	X			
(b) PARAMETERS AND SAMPLING FREQUENCY AGREE WITH PERMIT	X			
(c) PERMITTEE USES REQUIRED SAMPLING METHOD	X			
(d) SAMPLE COLLECTION PROCEDURES ARE ADEQUATE	X			
(i) SAMPLES REFRIGERATED DURING COMPOSITING	X			
(ii) PROPER PRESERVATION TECHNIQUES USED	X			
(iii) CONTAINERS AND SAMPLE HOLDING TIMES PRIOR TO ANALYSES CONFORM WITH 40 CFR 136.3	X			
(e) MONITORING RECORDS (e.g., flow, pH, D.O., etc.) MAINTAINED FOR A MINIMUM OF THREE YEARS, INCLUDING ALL ORIGINAL STRIP CHART RECORDS (e.g., continuous monitoring instrumentation, calibration, and maintenance records)	X			
(f) ADEQUATE RECORDS MAINTAINED (e.g., sampling date, time, exact location, etc.)	X			

**Part 3. Laboratory**

	Yes	No	N/A	N/E
(a) EPA APP. ANALYTICAL TESTING PROCEDURES USED (40 CFR 136.3)	X			
(b) IF ALTERNATE PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED			X	
(c) ANALYSIS PERFORMED MORE FREQUENTLY THAN REQUIRED BY THE PERMIT		X		
(d) IF (c) IS YES, ARE RESULTS RECORDED IN PERMITTEE'S SELF-MONITORING REPORT			X	
(e) COMMERCIAL LABORATORY USED	X			
(1) PARAMETERS ANALYZED BY COMMERCIAL LAB: <u>Fecal Coliform, CBOD, Ammonia, Oil &amp; Grease, Metals (Cadmium, Chromium, Hexavalent Chromium, Copper, Lead, Mercury, Nickel, Zinc)</u>				
(2) LAB NAME: <u>masi</u>				
(f) QUALITY ASSURANCE MANUAL PROVIDED AND MAINTAINED	X			
(g) SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT	X			
(h) ADEQUATE RECORDS MAINTAINED	X			
(i) RESULTS OF LATEST USEPA QA SAMPLING PROGRAM DATE:	NA	Satisfactory		
	NA	Marginal		
	NA	Unsatisfactory		

COMMENTS/STATUS:

**Section J. Effluent/Receiving Water Observations**

	VISIBLE	VISIBLE		FLOATING			
OUTFALL	NOIL	SHEEIGREASE	TURBIDITY	FOAM	SOLIDS	COLOR	OTHER
1	NONE	NONE	NOPNE	NONE	SOME	CLEAR	

**Section K. Multimedia Observations**

	Yes	No	N/A	N/E
(a) ARE THERE ANY INDICATIONS OF SLOPPY HOUSEKEEPING OR POOR MAINTENANCE IN WORK AND STORAGE AREAS OR LABORATORIES.		X		
(b) DO YOU NOTICE STAINING OR DISCOLORATION OF SOILS, PAVEMENT, OR FLOORS		X		
(c) DO YOU NOTICE DISTRESSED (UNHEALTHY, DISCOLORED, DEAD) VEGETATION		X		
(d) DO YOU SEE UNIDENTIFIED DARK SMOKE OR DUSTCLOUDS COMING FROM SOURCES OTHER THAN SMOKESTACKS		X		
(e) DO YOU NOTICE ANY UNUSUAL COLORS OR STRONG CHEMICAL SMELLS		X		
(f) DO YOU SEE ANY OPEN OR UNMARKED DRUMS, UNSECURED LIQUIDS, OR DAMAGED CONTAINMENT FACILITIES?		X		

IF ANY OF THE ABOVE ARE OBSERVED, ASK THE FOLLOWING QUESTIONS:

- (1) WHAT IS THE CAUSE OF THE CONDITION?
- (2) IS THE OBSERVED CONDITION OR SOURCE A WASTE PRODUCT?
- (3) WHERE IS THE SUSPECTED CONTAMINANT NORMALLY DISPOSED?
- (4) IS THIS DISPOSAL PERMITTED?
- (5) HOW LONG HAS THE CONDITION EXISTED AND WHEN DID IT BEGIN?

COMMENTS/STATUS:

Violation Date	Parameter	Limit Type	Limit	Reported Value
9/1/2007	Nitrogen, Ar 30D Conc		1.0	22.6666
9/1/2007	Nitrogen, Ar 7D Conc		1.5	27.5
9/1/2007	Nitrogen, Ar 30D Qty		1.89	14.7655
9/1/2007	Nitrogen, Ar 7D Qty		2.84	18.4026
9/4/2007	Dissolved C 1D Conc		8.0	7.6
9/8/2007	Nitrogen, Ar 7D Conc		1.5	19.
9/8/2007	Nitrogen, Ar 7D Qty		2.84	11.8156
9/22/2007	Nitrogen, Ar 7D Conc		1.5	21.5
9/22/2007	Nitrogen, Ar 7D Qty		2.84	14.0783
9/25/2007	Dissolved C 1D Conc		8.0	6.7
12/1/2007	Total Suspe 30D Conc		12	16.
12/8/2007	Total Suspe 7D Conc		18	56.
12/8/2007	Total Suspe 7D Qty		34.1	34.3375
1/8/2008	Nitrogen, Ar 7D Conc		4.5	6.
2/1/2008	CBOD 5 d <sub>e</sub> 30D Conc		10	10.5
2/1/2008	Nitrogen, Ar 30D Conc		3.0	4.925
2/8/2008	Nitrogen, Ar 7D Conc		4.5	6.2
2/15/2008	Nitrogen, Ar 7D Conc		4.5	5.4
2/22/2008	Nitrogen, Ar 7D Conc		4.5	8.1
2/22/2008	Nitrogen, Ar 7D Qty		8.52	9.96401
3/1/2008	Total Suspe 30D Conc		12	14.5
3/1/2008	Nitrogen, Ar 30D Conc		3.0	4.25
3/1/2008	CBOD 5 d <sub>e</sub> 30D Conc		10	11.
3/8/2008	Nitrogen, Ar 7D Conc		4.5	5.4
3/15/2008	Nitrogen, Ar 7D Conc		4.5	5.2
3/22/2008	Nitrogen, Ar 7D Conc		4.5	6.4
3/25/2008	Dissolved C 1D Conc		7.0	6.7
4/1/2008	Total Suspe 30D Conc		12	51.8
4/1/2008	Total Suspe 7D Conc		18	20.
4/1/2008	Nitrogen, Ar 30D Conc		3.0	14.18
4/1/2008	CBOD 5 d <sub>e</sub> 30D Conc		10	14.5
4/1/2008	Dissolved C 1D Conc		7.0	6.5
4/2/2008	Dissolved C 1D Conc		7.0	6.2
4/3/2008	Dissolved C 1D Conc		7.0	6.
4/4/2008	Dissolved C 1D Conc		7.0	6.4
4/5/2008	Dissolved C 1D Conc		7.0	6.2
4/6/2008	Dissolved C 1D Conc		7.0	6.
4/7/2008	Dissolved C 1D Conc		7.0	5.5
4/8/2008	Nitrogen, Ar 7D Conc		4.5	7.4
4/8/2008	Dissolved C 1D Conc		7.0	4.3
4/9/2008	Dissolved C 1D Conc		7.0	4.5
4/10/2008	Dissolved C 1D Conc		7.0	3.8
4/11/2008	Dissolved C 1D Conc		7.0	3.2
4/12/2008	Dissolved C 1D Conc		7.0	3.
4/13/2008	Dissolved C 1D Conc		7.0	2.8
4/14/2008	Dissolved C 1D Conc		7.0	2.
4/15/2008	Total Suspe 7D Conc		18	136.
4/15/2008	Nitrogen, Ar 7D Conc		4.5	36.8
4/16/2008	Dissolved C 1D Conc		7.0	2.
4/17/2008	Dissolved C 1D Conc		7.0	2.5

4/18/2008	Dissolved C 1D Conc	7.0	3.4
4/19/2008	Dissolved C 1D Conc	7.0	4.5
4/20/2008	Dissolved C 1D Conc	7.0	5.5
4/21/2008	Dissolved C 1D Conc	7.0	6.6
4/22/2008	Total Suspe 7D Conc	18	27.
4/22/2008	Nitrogen, Ar 7D Conc	4.5	15.1
4/22/2008	CBOD 5 da 7D Conc	15	26.
4/22/2008	Dissolved C 1D Conc	7.0	6.9
4/25/2008	Dissolved C 1D Conc	7.0	6.9
5/1/2008	Nitrogen, Ar 30D Conc	1.0	10.7375
5/1/2008	Nitrogen, Ar 7D Conc	1.5	13.6
5/1/2008	Nitrogen, Ar 30D Qty	1.89	7.60674
5/1/2008	Nitrogen, Ar 7D Qty	2.84	9.18847
5/8/2008	Nitrogen, Ar 7D Conc	1.5	11.85
5/8/2008	Nitrogen, Ar 7D Qty	2.84	8.17783
5/8/2008	Fecal Colifo 7D Conc	2000	2583.60
5/15/2008	Nitrogen, Ar 7D Conc	1.5	8.1
5/15/2008	Nitrogen, Ar 7D Qty	2.84	5.63956
5/22/2008	Nitrogen, Ar 7D Conc	1.5	10.45
5/22/2008	Nitrogen, Ar 7D Qty	2.84	8.12182