



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korteski, Director



1PB0001820070928

SHELBY

JACKSON CENTER WWTP

LEIBFRITZ, SANDRA 2007/09/28



State of Ohio Environmental Protection Agency

401 East Fifth Street
Dayton, Ohio 45402-2911

Southwest District Office

TELE: (937) 285-6357 FAX: (937) 285-6249
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Kevin Sailor, Superintendent
Village of Jackson Center
P.O. Box 819
Jackson Center, OH 45334

CERTIFIED MAIL

**Re: NPDES Permit No. 1PB0008*HD/OH0025861
Compliance Evaluation Inspection - Shelby County**

Dear Mr. Sailor:

On September 11, 2007, Sandra Leibfritz conducted an inspection at Jackson Center WWTP located at 500 Jerry Drive, Jackson Center. You and Shwan Hefner were representing the facility. The purpose of this inspection was to determine compliance with the terms and conditions of Jackson Center's NPDES permit. Refer to the enclosed inspection report for details of the inspections.

It is our understanding that the alarm systems on the lift stations are only visual. Even though these lift stations are located on highly traveled roads, Ohio EPA recommends that a sign be posted with a point of contact and telephone number in case the alarm has been activated. The sign should be posted in a location that is unobstructed from view.

A trend analysis for flow, as reported in your Monthly Operating Reports, indicates excessive inflow and infiltration (I/I) that results in sewage flows at the treatment plant that exceed the design peak flows and poor treatment plant performance. For these reasons, your permit will be drafted with an I/I schedule to reduce/eliminate sources of I/I. For this reason the Collection System area was rated as Marginal

During the inspection, Ms. Leibfritz observed floatable material and debris overflowing the weirs in the clarifier. This is due in part to the comminutor being out-of-service. The comminutor has been out-of-service since 6 to 7 months prior to the last inspection that was conducted in June 2006. The operator explained that they are having difficulty finding the parts to fix the comminutor. For this reason, your permit will be drafted with a schedule to submit a Permit-to-Install application with detail plans to install a pretreatment device, such as a comminutor or fine screens, to remove floatable and debris from the plant.

The effluent/receiving water area was rated as unsatisfactory due to the number of violations reported during the period of June 2006 through July 2007. Ohio EPA has received your report addressing these violations. No further information is requested at this time. Refer to the inspection report for details on the violations.





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Mr. Sailor
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If you have any questions regarding the above, please contact Sandra Leibfritz at (937) 285-6104 or me at (937) 285-6034.

Respectfully

Martyn Burt
Compliance & Enforcement Supervisor
Division of Surface Water

cc: Shelby County Health Department



Permit #: 1PB00018*HD
 NPDES #: OH0025861



State of Ohio Environmental Protection Agency
 Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PB00018*HD	OH0025861	09/11/2007	C	S	11

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Jackson Center 500 Jerry Drive Jackson Center, OH 45334	9:30 a.m.	October 1, 2006 (Mod)
	Exit Time	Permit Expiration Date
	12:35 p.m.	April 30, 2007
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Kevin Sailor, Superintendent	(937) 596-5251 (WWTP)	
Shwan Hefner, Class I Operator	(937) 538-1030 (cell)	
	(937) 596-5251 (WWTP)	
Name, Address and Title of Responsible Official	Phone Number	
Kevin Sailor, Superintendent (Class II)	(937) 596-5251 (WWTP)	
	(937) 538-1030 (cell)	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	M	Laboratory	N	Compliance Schedule
M	Operations & Maintenance	U	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
M	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
Inspector	Reviewer
 Sandra D. Leibfritz Division of Surface Water Southwest District Office Date: 9/25/07	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office Date: 9/28/07



Sections E thru K: Complete on all inspections as appropriate
Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- (a) Correct name and mailing address of permittee Y
- (b) Correct name and location of receiving waters..... Y
- (c) Product(s) and production rates conform with permit application (Industries)..... N/A
- (d) Flows and loadings conform with NPDES permit..... Y
- (e) Treatment processes are as described in permit application... Y
- (f) New treatment process(es) added since last inspection..... N
- (g) Notification given to State of new, different or increased discharges..... N/A
- (h) All discharges are permitted..... Y
- (i) Number and location of discharge points are as described in permit..... Y

Comments/Status:

Section E: Permit Verification

- (a) Any significant violations since the last inspection..... Y
- (b) Permittee is taking actions to resolve violations..... Y
- (c) Permittee has a compliance schedule..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

Most violations of the final effluent limit were due to copper. The Village has been and continues to evaluate the operations of their WTP. Currently, they have a request in to the DDGWs for a change in operations which should resolve their violations.



Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator **X** or dual feed Y
- (b) Adequate alarm system available for power or equipment failures.. Y
- (c) All treatment units in service other than backup units..... N
- (d) Operator holds unexpired license of class required by permit..... Y
Class: III
- (f) Routine and preventative maintenance schedule/performed on time..... Y
- (g) Any major equipment breakdown since last inspection..... N
- (h) Operation and maintenance manual provided and maintained..... Y
- (i) Any plant bypasses since last inspection..... N
- (j) Regulatory agency notified of bypasses..... N/A
On MORs and/or Spill Hotline (1-800-282-9378)
- (k) Any hydraulic and/or organic overloads since last inspection..... Y

Collection System:

- (a) Percent combined system: 0%
- (b) Any collection system overflows since last inspection..... N
(CSO and/or SSO)
- (c) Regulatory agency notified of overflows (SSOs)..... N/A
- (d) CSO O&M plan provided and implemented..... N/A
- (e) CSOs monitored and reported in accordance with permit..... N/A
- (f) Portable pumps used to relieve system..... Y
- (g) Lift station alarms provided and maintained..... Y
- (h) Are lift stations equipped with permanent standby power or equivalent..... Y
- (i) Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection..... Y
- (j) Any complaints received since last inspection of basement flooding N/A
- (k) Are any portions of the sewer system at or near capacity..... N

Comments/Status:

The comminutor has been inoperable since the last inspection that was conducted on June 22, 2006. During that inspection, the operator reported the unit to be out-of-service for 6 to 7 months.

There are 3 lift stations. The Village owns 2 portable trash traps. Also, The Village owns a generator that powers half the Village when the power is out.



Section H: Sludge Management

- (a) Sludge management plan (SMP) – N/A
Submitted date: Approval #: Not submitted

- (b) Sludge management plan current..... N/A
- (c) Sludge adequately disposed..... Y
(Method: **landfill at Cherokee Run**)
- (d) If sludge is incinerated, where is ash disposed of
- (e) Is sludge disposal contracted..... N/A
(Name:)
- (f) Has amount of sludge generated changed significantly since
last inspection..... N
- (g) Adequate sludge storage provided at plant..... Y
- (h) Land application sites monitored and inspected per SMP..... N/A
- (i) Records kept in accordance with State and Federal law..... NE
- (j) Any complaints received in last year regarding sludge..... N
- (k) Is sludge adequately processed (digestion, pathogen control)..... N/A

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary flow measuring device operated and maintained..... Y
Type of device: Ultrasonic & Parshall flume Ultrasonic & Weir **X** Weir
Calculated from influent Other (Specify:)

- (b) Calibration frequency adequate Y
(Date of last calibration: **September 5, 2007**)
- (c) Secondary instruments operated and maintained..... Y
- (d) Flow measurement equipment adequate to handle full range
of flows..... Y
- (e) Actual flow discharged is measured..... Y
- (f) Flow measuring equipment inspection frequency
X Daily Weekly monthly other

Comments/Status:

Flow meters are calibrated semi-annually.

There is a mag meter on the influent.



Section I: Self-Monitoring Program (con't)

Sampling:

- (a) Sampling location(s) are as specified by permit..... Y
- (b) Parameters and sampling frequency agree with permit..... Y
- (c) Permittee uses required sampling method..... Y
- (d) Sample collection procedures are adequate..... Y
 - (i) Samples refrigerated during compositing..... Y
 - (ii) Proper preservation techniques used..... Y
 - (iii) Containers and sample holding times prior to analysis conform with 40 CFR 136.3..... Y
- (e) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e, continuous monitoring instrumentation, calibration and maintenance records)..... Y
- (f) Adequate records maintained of sampling date, time, location, etc.. Y

Laboratory:

General

- (a) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
- (b) If alternate analytical procedures are used, proper approval has been obtained..... NA
- (c) Analyses being performed more frequently than required by permit. N
- (d) If (c) is yes, are results in permittee's self-monitoring report..... NA
- (e) Commercial laboratory used..... Y

Parameters analyzed by commercial lab:

O&G, TKN, NO3, Fecal, P, Cu, Pb, Hg and Zn

Lab name: **MASI**

Quality Control/Quality Assurance – N/E – recommended PAI audit from DES

- (f) Quality assurance manual provided and maintained..... Y
- (g) Satisfactory calibration and maintenance of instruments/equipment. Y
- (h) Adequate records maintained..... Y
- (i) Results of latest USEPA quality assurance performance sampling program:
 Satisfactory Marginal Unsatisfactory Date:

Comments/Status:

Duplicates for pH were not taken (1 out of 10 samples) and buffers were not dated as to when they were prepared or initialed by the analyst.

The glucose-glutamic acid check had not been done for CBOD.

As discussed with you during the inspection, Ohio EPA, SWDO, DSW has requested our Division of Environmental Service to conduct an audit on your lab.



Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001						Clear	

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

If any of the above are observed, ask the following questions:

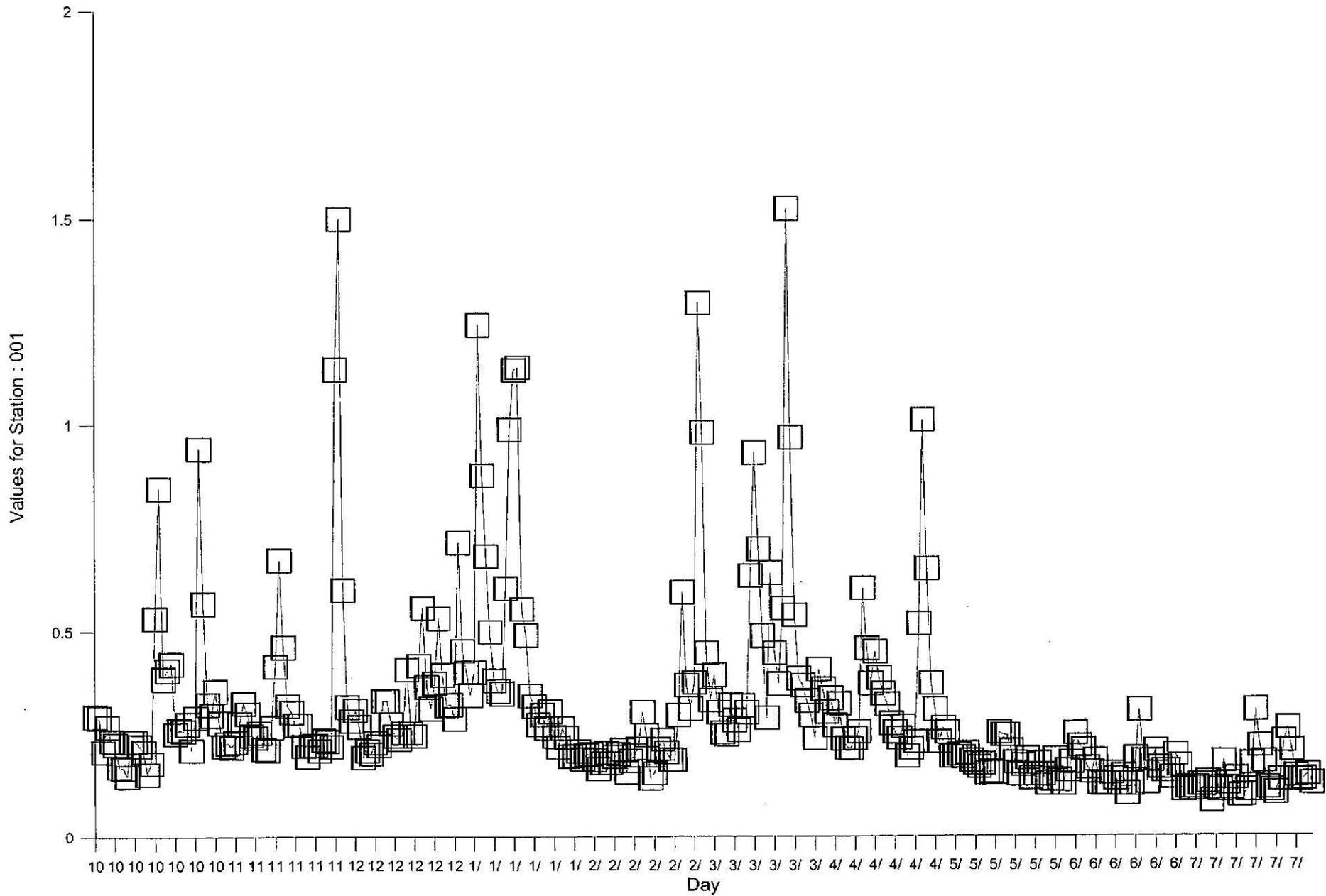
- (1) What is the cause of the condition?
- (2) Is the observed condition or source a waste product?
- (3) Where is the suspected contaminant normally disposed?
- (4) Is this disposal permitted?
- (5) How long has the condition existed and when did it begin?

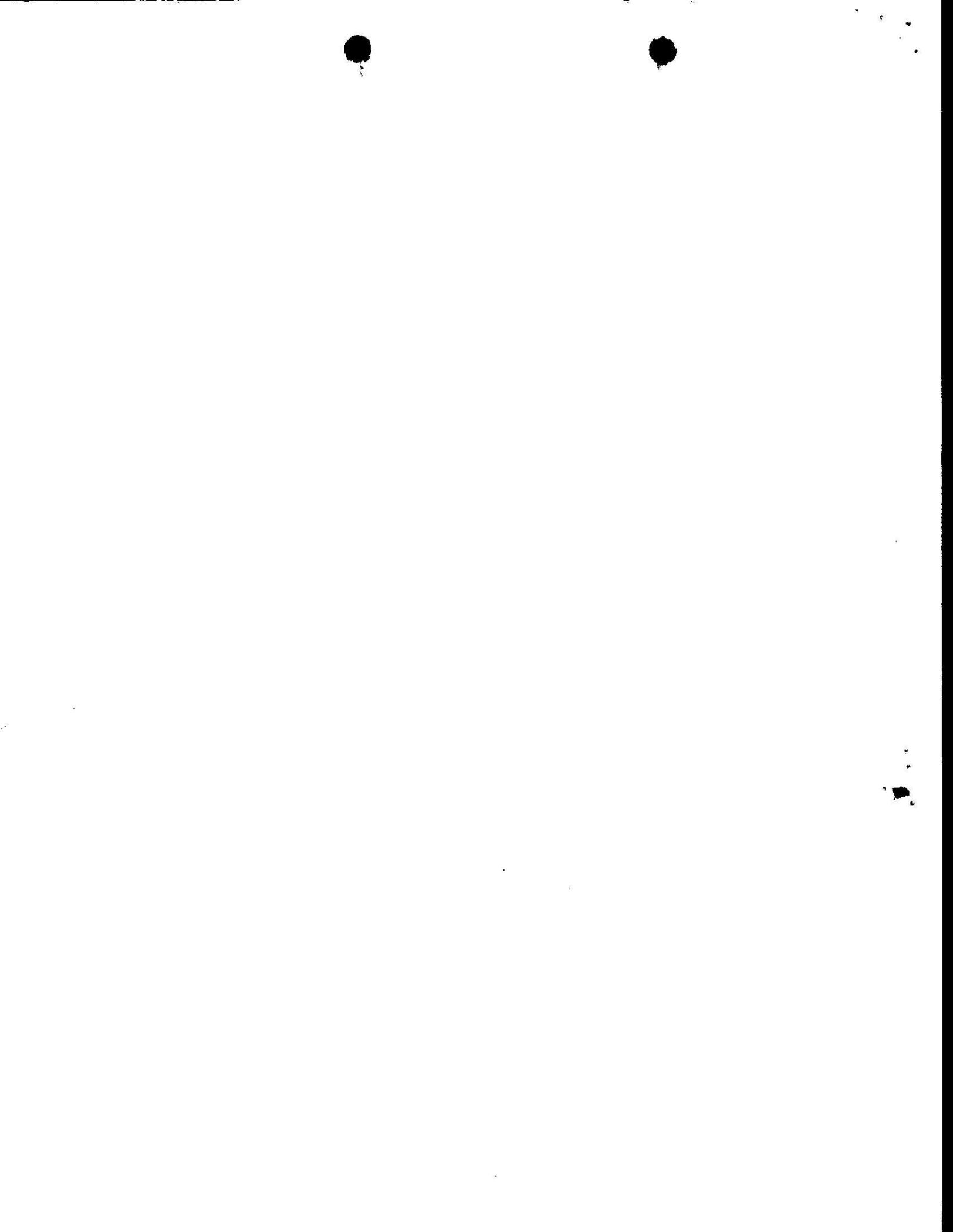
FINAL EFFLUENT LIMITATIONS FOR OUTFALL 001
 (During the period from June 2006 through July 2007)
 7D = Weekly 30D = Monthly 1D = Daily Conc. = Concentration (mg/l) Qty = Quantity (Kg/Day)

Reporting Period	Parameter	Limit Type	Limit	Reported Value
June 2006	Copper, TR	30D Conc	32	53.
June 2006	Copper, TR	30D Qty	0.04	.05015
June 2006	Copper, TR	7D Conc	51	53.
August 2006	Copper, TR	30D Conc	32	127.5
August 2006	Copper, TR	30D Qty	0.04	.09655
August 2006	Copper, TR	7D Conc	51	224.
August 2006	Copper, TR	7D Qty	0.07	.15261
October 2006	pH	1D Conc	6.5	6.2
March 2007	Total Suspended Solids	30D Qty	16.8	18.3349
March 2007	Total Suspended Solids	7D Qty	25.2	26.5423
March 2007	Copper, TR	30D Conc	32	37.
March 2007	Copper, TR	1D Qty	0.07	.18136
March 2007	Copper, TR	30D Qty	0.04	.18136
March 2007	Total Suspended Solids	7D Qty	25.2	32.8083
June 2007	Copper, TR	30D Conc	32	34.



Jackson Center WWTP 1PB00018*HD :
Period : 07/01/2006 to 08/01/2007 Parameter : Flow Rate (MGD)





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PS Form 3800, August 2006 (Reverse) PSN 7530-02-000-9047

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VILLAGE OF JACKSON CENTER
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JACKSON CENTER OH 45334

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Doreen J. Cunniff

 Agent Addressee

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C. Date of Delivery

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2. Article Number

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