



**Environmental
Protection Agency**

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



1PK0001320070827

CLARK .. SOUTHWEST WWTP

LEIBFRITZ, SANDRA 2007/08/27



State of Ohio Environmental Protection Agency

Southwest District Office

401 East Fifth Street
Dayton, Ohio 45402-2911

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

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

August 28, 2007

Clark County Board of Commissioners
50 E. Columbia Street
Springfield, OH 45502

**RE: Clark County Southwest Regional WWTP
NPDES No. 1PK00013*ID/OH0049794, Clark County
Reconnaissance Inspection – Notice of Violation**

Dear Commissioners:

On August 9, 2007, Joe Reynolds and Sandra Leibfritz conducted an inspection at Southwest Regional WWTP located at 3990 Woodbury Road, Medway, Ohio. David Leist was representing the facility. The main purpose of the site visit was to inspect the installation of the WWTP upgrades as per PTI No. 05-14242. The upgrades appear to be completed as per PTI No. 05-14242 that was issued by the Director on January 31, 2006.

All areas that were evaluated were rated as satisfactory. A copy of the inspection report for the facility is enclosed.

This letter also serves as a Notice of Violation for the effluent violations reported for March 2007 and April 2007. Your report regarding these violations was received and no further information is needed.

There are no items that require a response. If you should have any questions about the inspection, please call Ms. Leibfritz at (937) 285-6104 or me at (937) 285-6034.

Sincerely,

Martyn G. Burt
Environmental Supervisor
Division of Surface Water

cc: Clark County Health Department
David Leist, Chief Operator
Alice Godsey, Director of Utilities





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
1PK00013*ID	OH0049794	08/09/07	R	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Clark County Southwest Regional WWTP 3990 Woodbury Road Medway, OH 45323	1:55 a.m.	July 1, 2006
	Exit Time	Permit Expiration Date
	3:35 p.m.	July 31, 2010
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
David Leist, Chief Operator Clark County Department of Utilities Garfield Building 25 W. Pleasant Street P.O. Box 1303 Springfield, OH 45501-1303	(937) 849-0507	
Name, Address and Title of Responsible Official	Phone Number	
Clark County Board of Commissioners 50 E. Columbia Street Springfield, OH 45502	(937) 328-2405	
Alice Godsey, Director of Utilities Clark County Department of Utilities Garfield Building 25 W. Pleasant Street P.O. Box 1303 Springfield, OH 45501-1303	(937) 328-22602	

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
See attached report.	
Inspector	Reviewer
<i>Sandra D. Leibfritz</i> 8/27/07	<i>Martyn Burt</i> 8/28/07
Sandra D. Leibfritz Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office



INSPECTION FINDINGS/COMMENTS

Summary of Findings/Comments

Areas Requiring a Response

None.

Areas Not Requiring a Response

The influent grit chamber was refurbished. The volume of grit has significantly increased. The dumpster fills in a week instead of in a month

The drain valves to the equalization basins (old primary clarifiers) were replaced. These tanks drain back to the head of the plant.

A new splitter box was installed to help regulate flow between the two secondary clarifiers.

The operator reported better control of sludge and overall performance of the plant with the increased sidewall depth of the clarifier. The clarifier has been on-line for approximately 3 weeks. Upgrades to the second clarifier will be completed within the next three weeks. The sidewall depth of the clarifier has been increased by 2 feet for a total of 14 feet. The operator is now able to keep the depth of sludge in the clarifier at 2-3 feet, instead of 4-6 feet.

Scum from the clarifiers is no longer sent back to the oxidation ditch. Instead, the scum is wasted to the digesters. The operator reported that operations at the plant have improved due to this upgrade.

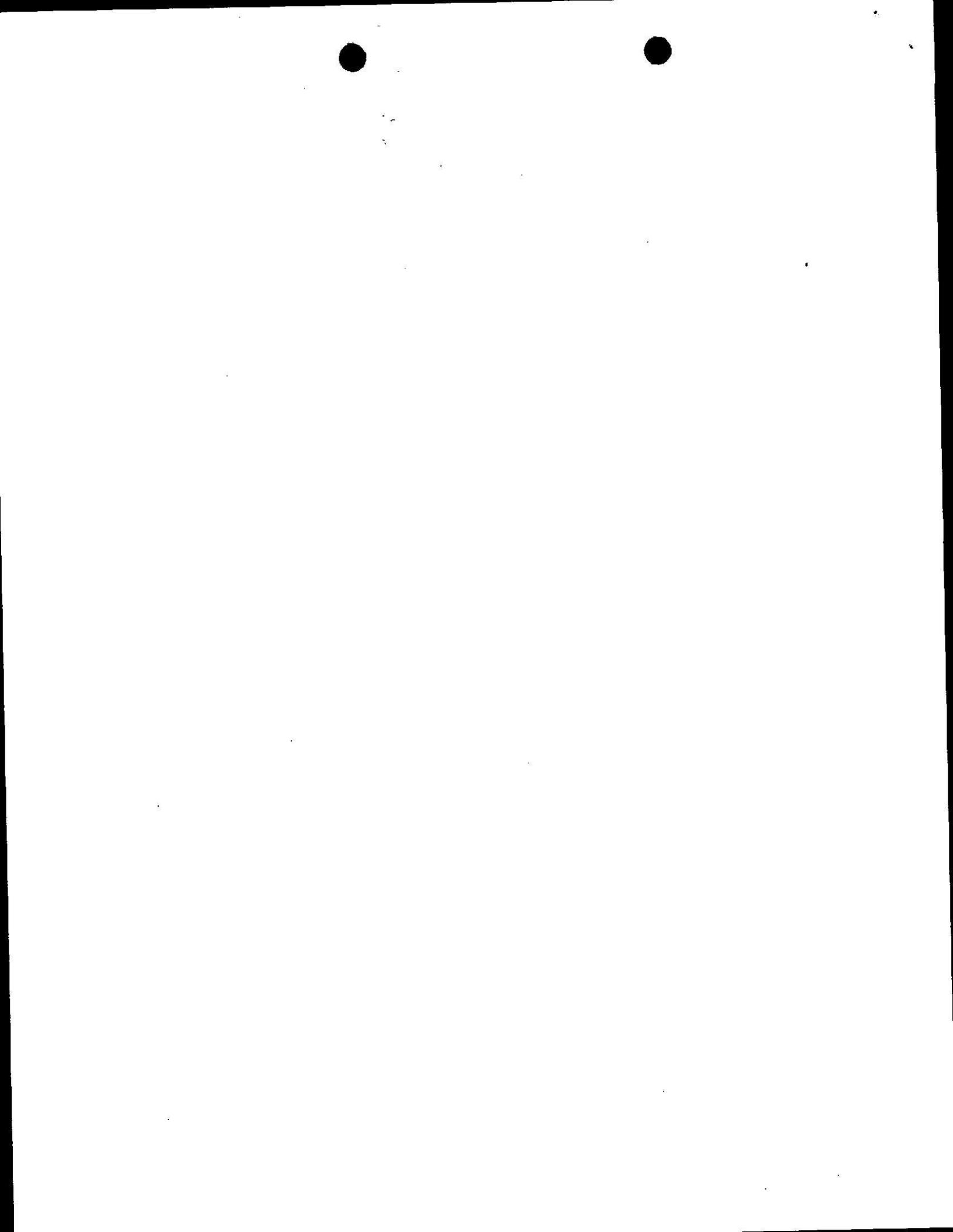
The tertiary screw pumps have been refurbished. The pumps were painted. The lower bearings were replaced and stainless steel grease lines were installed.

The tertiary sand filters have been refurbished. All of the actuators on the sand filters have been replaced and/or repaired.

The operator reported better plant performance during a 3-inch rain event over a 48 hour period of time.

The chlorine contact tank was cleaned in the spring. The effluent was extremely clear and free of odors.

The blowers on the sludge digesters were operational. Supernatant is typically wasted to the oxidation ditch twice a week. During the inspection, supernatant was being wasted to the ditch that caused heavy foaming in the ditch.



Permit # : 1PK00013*ID
NPDES #: OH0049794

FINAL EFFLUENT VIOLATIONS – OUTFALL 001*

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2007	Total Suspended Solids	30D Qty	91.	94.2533	3/1/2007
March 2007	Total Suspended Solids	7D Conc	18.	25.6666	3/15/2007
March 2007	Total Suspended Solids	7D Qty	136.	284.341	3/15/2007
April 2007	Nitrogen, Ammonia (NH3)	7D Qty	38.	38.7297	4/8/2007

* Violations noted are during the period from March 2007 through July 2007.
Noncompliance Notification given – due to significant rain events.

