Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

December 16, 2011

RE: CITY OF LOUISVILLE WWTP
NPDES 3PD00033
2010 CEI
STARK COUNTY

Bill Glick, Superintendent
City of Louisville
215 South Mill St.
Louisville, OH 44641-1699

Dear Mr. Glick:

On December 8, 2011, this office conducted a compliance evaluation inspection (CEI) of the City of Louisville Wastewater Treatment Plant (WWTP). Present during the inspection, besides you, was Rich Goebeler, City of Louisville. Below you will find a summary of the inspection:

General

The treatment works generally consist of flow equalization, raw wastewater pumping, primary settling, aeration tankage, clarification, chlorination, dechlorination, aerobic digesters, belt filter press, and surface sludge drying beds. The surface sludge drying beds are no longer used for drying sludge as you are pressing sludge five days per week and hauling it to American Landfill. The sludge drying beds are used to dewater street sweepings. Final discharge is to the East Branch of the Nimishillen Creek.

Inspection Observations

1) The primary clarifiers continue to be bypassed, due to the low organic content of the influent. The raw pumps are pumping influent to the primary clarifier effluent trough. Wastewater then enters aeration cells 1, 2, and 3 and subsequently cells 4, 5, and 6. Coarse bubble aeration is present in the basins 1, 2, and 3. Fine bubble aeration is used in basins 4, 5, and 6. The color of the aeration basin contents was a dark chocolate brown.
2) Aerobic digesters 1, 2, 5, and 6 were in use.
3) As noted in our last inspection on February 3, 2010, there was a significant quantity of floating solids in the clarifiers.
4) There were no noted visual problems with the final discharge at the time of the inspection.
5) There was no outfall sign as required by the permit. You stated that it has been placed but have been stolen. I suggested as an alternative that the sign be placed just inside the treatment plant fence to prevent the theft. You indicated that this would be done. Please send me a picture of the new sign once it is installed no later than **January 13, 2012**.
6) A Storm Water Pollution Prevention Plan (SWPPP) is required for your plant as per the existing permit. The plan was not present at the plant as required for my inspection. This is a violation of Part IV of your NPDES permit. Please submit a copy of it no later than **December 23, 2011**. This requirement can be avoided if you file a No Exposure Certification with this agency.

Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087-1924

330 | 963 1200
330 | 487 0769 (fax)
www.epa.ohio.gov

A review of your Discharge Monitoring Reports (DMRs) covering the period January 2010 thru November 2011 revealed the following effluent violations:

Numeric Violations

Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	Oil and Grease, Hexane	1D Conc	10	15.7	9/7/2011
001	Phosphorus, Total (P)	30D Conc	1.0	1.41	8/1/2011
001	Phosphorus, Total (P)	30D Conc	1.0	1.1625	9/1/2011
001	Phosphorus, Total (P)	30D Conc	1.0	1.76	7/1/2011
001	Phosphorus, Total (P)	30D Qty	7 56	7.77694	7/1/2011

Frequency Violations

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	00552	Oil and Grease, Hexane	1/2Weeks	1	0	01/15/2011

Additional Non-compliance

1) Part I, C, A, 3 of your NPDES permit (Schedule of Compliance) required the City to submit a report summarizing all action taken to minimize I/I during the previous year. Our records indicate that this report was not submitted. **If it has, please submit a copy for our records no later than December 23, 2011.** If it hasn't, this is a violation of your NPDES permit. **If this report has not been completed, you are requested to submit it no later than January 13, 2012.**
2) Under Part III, 12. Noncompliance Notification, it is clear the steps to be taken when you experience a maximum daily discharge limit violation as well as any other violation of your NPDES permit. You stated that you were not aware of this requirement. Please read this section carefully as failure to comply with this section is considered a separate violation and also subject to enforcement action under Ohio Revised Code 6111.

If you have any questions or comments regarding this letter, please feel free to contact this office at (330) 963-1136 or by e-mail at phil.rhodes@epa.state.oh.us.

Sincerely,

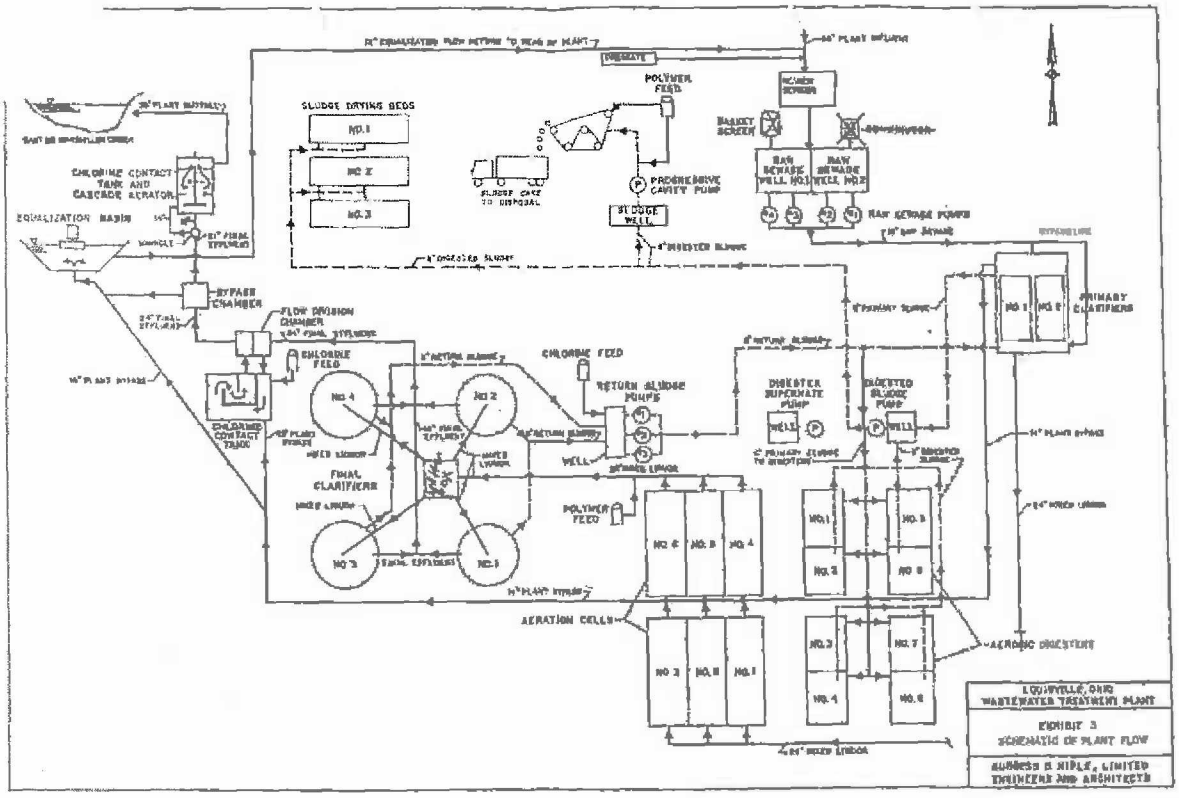
Philip P. Rhodes, P.E.
Environmental Specialist II
Division of Surface Water

PPR/cs

cc: Mayor and Council, City of Louisville
James McBeath, Director of Service Operations, City of Louisville

ec: Dean Stoll, Enforcement Coordinator, DSW, NEDO

File: Public/Permit Compliance


SLUDGE DRYING BEDS
NO. 1
NO. 2
NO. 3
POLYMER FEED
PROGRESSIVE CAVITY PUMP
SLUDGE WELL
BASKET SCREEN
RAW SEWAGE WELL NO.1
RAW SEWAGE WELL NO.2
CHLORINE CONTACT TANK AND CASCADE AERATOR
EQUALIZATION BASIN
BYPASS CHAMBER
FLOW DIVISION CHAMBER
CHLORINE FEED
CHLORINE CONTACT TANK
FINAL CLARIFIERS
RETURN SLUDGE PUMPS
DIGESTER SUPERNATE PUMP
DIGESTED SLUDGE PUMP
PRIMARY CLARIFIERS
AERATION CELLS
AEROBIC DIGESTERS
LOUISVILLE, OHIO
WASTEWATER TREATMENT PLANT
EXHIBIT 3
SCHEMATIC OF PLANT FLOW
BURGESS & NIPLE, LIMITED
ENGINEERS AND ARCHITECTS