



State of Ohio Environmental Protection Agency

Northeast District Office

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

January 21, 2010

RE: STARK COUNTY  
CITY OF LOUISVILLE  
SEWAGE SLUDGE INSPECTION

Mayor and Council  
City of Louisville  
215 South Mill Street  
Louisville, Ohio 44641

Dear Village Mayor and Council:

On January 19, 2010, a sewage sludge inspection was conducted in order to determine compliance with Ohio Administrative Code (OAC) 3745-40, Ohio's sewage sludge rules, at the City of Louisville wastewater treatment plant (WWTP), NPDES permit No. 3PD00033\*GD. Mr. William Glick, Utilities Director, and Mr. Richard Goebeler, Operator, were present during the sewage sludge inspection and provided information regarding the WWTP's sewage sludge operations and records. The sewage sludge inspection consisted of a review of the WWTP's contact information and sewage sludge records, completion of a compliance checklist, and an evaluation of the WWTP's sewage sludge treatment units.

The WWTP currently treats approximately 1.5 million gallons of wastewater per day. Generated sewage sludge is currently treated within three aerobic digesters, one storage tank, one belt filter press, and one sewage sludge holding bed. The WWTP also has five additional aerobic digesters and two uncovered sand drying beds that are currently offline. Generated sewage sludge is disposed of within a sanitary landfill with transportation provided by the WWTP. Mr. Glick explained that the WWTP was evaluating the possibility of commencing a sewage sludge land application program.

At the time of the inspection, the sewage sludge located within the aerobic digesters was black colored with a slight septic odor. Mr. Goebeler explained that the air to the aerobic digesters had been turned off in order to remove supernatant. A cloudy milk colored liquid was observed within one of the offline aerobic digesters. Mr. Glick later stated that the cloudy milk colored liquid was the wastewater resulting from an industrial user that utilizes soap and deionized water to wash metals used in fabrication process. The soap removes the naturally occurring oils from the metals and, when the resulting wastewater is discharged to the WWTP, caused excessive foaming throughout the WWTP. The WWTP currently receives approximately 9,000 gallons of the industrial user's wastewater per month. The wastewater is pumped directly to the belt filter press for dewatering. Mr. Glick stated that the WWTP has approximately twenty-five days to dewater the 9,000 gallons of wastewater before receiving another 9,000 gallon batch of wastewater.

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According to Ohio EPA records, the following frequency violations occurred for Station 581 and Station 586:

| Station | Reporting Code | Parameter                 | Frequency | Violation Date |
|---------|----------------|---------------------------|-----------|----------------|
| 581     | 01043          | Copper, Total In Sludge   | 2/Year    | 12/01/2008     |
| 581     | 01052          | Lead, Total In Sludge     | 2/Year    | 12/01/2008     |
| 581     | 01068          | Nickel, Total In Sludge   | 2/Year    | 12/01/2008     |
| 581     | 01093          | Zinc, Total In Sludge     | 2/Year    | 12/01/2008     |
| 581     | 01148          | Selenium, Total In Sludge | 2/Year    | 12/01/2008     |
| 581     | 70316          | Sludge Weight             | 2/Year    | 12/01/2008     |
| 581     | 71921          | Mercury, Total In Sludge  | 2/Year    | 12/01/2008     |
| 581     | 78465          | Molybdenum In Sludge      | 2/Year    | 12/01/2008     |
| 581     | 31641          | Fecal Coliform in Sludge  | 2/Year    | 12/01/2008     |
| 581     | 51129          | Sludge Fee Weight         | 2/Year    | 12/01/2008     |
| 586     | 51129          | Sludge Fee Weight         | 1/Year    | 09/01/2007     |

The City of Louisville's sewage sludge disposal program appeared to be in compliance with OAC Rule 3745-40, with the exception of the frequency violations provided above. Should you have any questions regarding the sewage sludge inspection, please contact me at your earliest convenience at (330) 963-1118.

Sincerely,



Chris Moody  
Environmental Specialist  
Division of Surface Water

CM/mt

cc: Phil Rhodes, Ohio EPA, DSW, NEDO  
Andrew Gall, Ohio EPA, DSW, NWDO  
Jacob Howdlyshell, Ohio EPA, DSW, CO