



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Richland County
Village of Bellville
NPDES Permit

October 12, 2012

The Honorable Darrell Banks
Mayor of the Village of Bellville
142 Park Place
Bellville, Ohio 44813

Dear Mayor Banks:

On September 20, 2012, an inspection was made of the Village of Bellville Wastewater Treatment Plant (WWTP) located at 101 East Durbin Avenue. Mr. Mike Hoefflich, Plant Superintendent, was present to answer questions and provide a tour of the facilities.

At the time of the inspection, the condition of the treatment plant was satisfactory. One of the primary clarifiers and one of the secondary clarifiers were off line in order to evaluate how this would affect the detention time of the wastewater through the plant. It is hoped that lowering the existing detention time will increase the treatment performance. The Village is working with Floyd Browne to determine the success of these actions.

The OPWC funded project for RBC rehabilitation was set to begin the week of September 24. This project includes the replacement of the RBC media on one of the units, rebalancing the drive motors and bearings on both units, and the replacement of supplemental aeration to the RBC channels.

During the inspection, Mr. Hoefflich and I discussed the upcoming upgrades to the WWTP. It was agreed that among the items the Village should consider addressing includes the possible installation of grit removal prior to the primary clarifiers. Grit is currently removed in a poorly designed settling chamber in front of the existing communitor unit. It is unlikely that this setup is currently very effective at removing grit. We also reviewed the sludge pumping pipe gallery. Several of the valves in this area no longer work due to age and wear. The valving and pumps in this area should be considered for rehabilitation in the course of upgrades.

A review of the discharge monitoring reports submitted to our office for the months of February through August 2012 revealed numerous **violations** of the limits contained in your National Pollutant Discharge Elimination System (NPDES) permit. A printout of these **violations** has been included for your review. Your facility is currently in significant non-compliance (SNC) with the limits contained in your NPDES permit.

Mayor Darrell Banks
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A facility becomes in SNC when it exceeds the effluent limit for four or more months in two consecutive quarters or exceeds the effluent limit significantly in any two months during two consecutive quarters. Achieving compliance with Ohio's environmental laws is a primary focus of Ohio EPA in order to reduce risks to public health and welfare.

Before we initiate enforcement action, we would like to work with you to achieve satisfactory progress to bring this facility back into compliance. **Within 21 days of the date of this letter**, please submit, in writing, the actions that you propose to undertake in order to return your facility into compliance with your NPDES permit.

Our Agency is closely monitoring the plan to upgrade the WWTP. In a meeting this past spring with the Village and your consulting engineer, it was stated that the Village intends to submit a Permit to Install (PTI) for upgrades in the winter of 2012, with construction taking place in spring 2013. Your response shall give us an updated timetable for actions that does not extend past January 1, 2014. These actions and timetable may also be submitted by email to me at walter.ariss@epa.state.oh.us. If you wish to meet with us to discuss this matter, please contact me within 10 days of receiving this letter in order to set up a meeting.

If you have any further questions, please call me at 419-373-3070.

Sincerely,



Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jim

Enclosures

pc: Mike Hoeflich, Village of Bellville WWTP

ec: Dan Gill, DEFA
Tracking



State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report
Semi-Public Sewage Disposal Inspection Form

| Section A: National Data System Coding | | | | | |
|--|-----------|----------------|-----------------|-----------|---------------|
| Permit # | NPDES# | Month/Day/Year | Inspection Type | Inspector | Facility Type |
| 2PB00057 | OH0020265 | 09/20/2012 | C | S | 1 |

| Section B: Facility Data | | |
|---|-----------------|------------------------|
| Name and Location of Facility Inspected | Entry Time | Permit Effective Date |
| Village of Bellville WWTP 101 E. Durbin Ave Bellville, OH | 10:00 AM | 7/1/2009 |
| | Exit Time | Permit Expiration Date |
| | 12:00 PM | 6/30/2014 |
| Name(s) and Title(s) of On-Site Representatives | Phone Number(s) | |
| Mike Hoeflich, WWTP Superintendent | 419-886-3043 | |
| Name(s), Address and Title(s) of Operator of Record | Phone Number(s) | |
| Mike Hoeflich | | |

| Ohio EPA Inspector | Ohio EPA Reviewer |
|--|--|
|  Walter Ariss, P.E. Environmental Specialist II Division of Surface Water Northwest District Office |  Tom Poffenbarger, P.E. Water Quality Engineer / Unit Supervisor Division of Surface Water Northwest District Office |
| 9/20/12 Date | 10/1/12 Date |

Village of Bellville WWTP 9/20/2012 - VISUAL OBSERVATION - UNIT PROCESS
 RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

| CONDITION OR APPEARANCE | | RATING | COMMENTS |
|-------------------------------------|-----------------------------------|---|--|
| General | Grounds | S | |
| | Buildings | S | |
| | Potable Water Supply Protection | - | |
| | Safety Features | S | |
| | Bypasses | OUT | On screw pump wet well and at influent box next to office. |
| | Alternate Power Source | OUT | Back up generator. |
| | Maintenance of Collection Systems | - | |
| Preliminary | | | |
| | | | |
| | Bar Screen | OUT | Backup to comminutor |
| | Disposal of Screenings | S | Landfill |
| | Comminutor | IN | |
| Primary | | | |
| | Settling Tanks | IN | 2 rectangular, One tank out as part of study on detention time |
| | Sludge Removal | OUT | Sludge pumped as necessary |
| | Effluent | S | |
| Sludge Disposal | Scum removal | OUT | Scum buckets emptied as needed |
| | | | |
| | Digesters | IN | 1 aerobic, 1 anaerobic |
| | Temperature and pH | S | |
| | Sludge Pumps | OUT | Sludge pumped as needed to digestors |
| | Disposal of Sludge | S | Land applied |
| | Sludge Blowers | IN | One in use, one backup |
| Sludge pump gallery | | Valves and pumps need rehabilitated. | |
| Other | | | |
| | Flow Meter and Recorder | IN | |
| | Records | - | |
| | Lab Controls | - | |
| Secondary-Tertiary List items as | | | |
| | Screw Pumps | IN | One in service, one back up |
| | RBC Units | IN | Both units in service. Several sections of media on north RBC are loose. |
| | Secondary Clarifiers | IN | 2 units, one unit out as part of detention time study |
| Disinfection | RBC Air Diffusers | IN | Aerating RBC channels |
| | | | |
| | Effluent | M | |
| | Disinfection System | IN | UV |
| | Effective Dosage | - | |
| | Post Aeration Tank | IN | Some foam on tank surface |
| Post Aeration Blowers | IN | 2 blowers in use, also supply air to RBC channels | |

| Get New Data | | Village of Bellville NPDES permit limit violations February through August 2012 | | | | | | |
|--------------|------------------|---|----------------|------------------------|------------|-------|----------------|----------------|
| Permit No | Reporting Period | Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 30D Conc | 13 | 27.5 | 2/1/2012 |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 38. | 2/1/2012 |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 30D Qty | 16 | 30.3415 | 2/1/2012 |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 47.3806 | 2/1/2012 |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 21. | 2/8/2012 |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 26. | 2/15/2012 |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 26.5063 | 2/15/2012 |
| 2PB00057*JD | February 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 25. | 2/22/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 30D Conc | 13 | 25. | 3/1/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 22.5 | 3/1/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 30D Qty | 16 | 27.9791 | 3/1/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 24. | 3/8/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 26.5 | 3/15/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 38.1054 | 3/15/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 32. | 3/22/2012 |
| 2PB00057*JD | March 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 28.3401 | 3/22/2012 |
| 2PB00057*JD | March 2012 | 001 | 01119 | Copper, Total Recovers | 1D Conc | 20.41 | 31. | 3/23/2012 |
| 2PB00057*JD | March 2012 | 001 | 01119 | Copper, Total Recovers | 1D Qty | 0.025 | .02945 | 3/23/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 30D Conc | 13 | 35. | 4/1/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 46. | 4/1/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 30D Qty | 16 | 25.7672 | 4/1/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 33.7773 | 4/1/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 37. | 4/8/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 28.1225 | 4/8/2012 |
| 2PB00057*JD | April 2012 | 001 | 00400 | pH | 1D Conc | 9.0 | 9.2 | 4/12/2012 |
| 2PB00057*JD | April 2012 | 001 | 00400 | pH | 1D Conc | 9.0 | 9.1 | 4/13/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 22.5 | 4/15/2012 |
| 2PB00057*JD | April 2012 | 001 | 01119 | Copper, Total Recovers | 1D Conc | 20.41 | 24. | 4/20/2012 |
| 2PB00057*JD | April 2012 | 001 | 00530 | Total Suspended Solids | 7D Conc | 30 | 31. | 4/22/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 40. | 4/22/2012 |
| 2PB00057*JD | April 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 29.1293 | 4/22/2012 |
| 2PB00057*JD | May 2012 | 001 | 00530 | Total Suspended Solids | 30D Conc | 20 | 26.1111 | 5/1/2012 |
| 2PB00057*JD | May 2012 | 001 | 31616 | Fecal Coliform | 30D Conc | 1000 | 10000. | 5/1/2012 |
| 2PB00057*JD | May 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 5/1/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 30D Conc | 13 | 42.5555 | 5/1/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 37. | 5/1/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 30D Qty | 16 | 33.4169 | 5/1/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 31.3076 | 5/1/2012 |
| 2PB00057*JD | May 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 5/8/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 50. | 5/8/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 44.6951 | 5/8/2012 |
| 2PB00057*JD | May 2012 | 001 | 00530 | Total Suspended Solids | 7D Conc | 30 | 34. | 5/15/2012 |
| 2PB00057*JD | May 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 5/15/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 48. | 5/15/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 34.1482 | 5/15/2012 |
| 2PB00057*JD | May 2012 | 001 | 01119 | Copper, Total Recovers | 1D Conc | 20.41 | 30. | 5/18/2012 |
| 2PB00057*JD | May 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 5/22/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 36.5 | 5/22/2012 |
| 2PB00057*JD | May 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 25.3878 | 5/22/2012 |
| 2PB00057*JD | May 2012 | 001 | 00400 | pH | 1D Conc | 9.0 | 9.2 | 5/23/2012 |
| 2PB00057*JD | June 2012 | 001 | 00530 | Total Suspended Solids | 30D Conc | 20 | 21.3333 | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 00530 | Total Suspended Solids | 7D Conc | 30 | 35. | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 31616 | Fecal Coliform | 30D Conc | 1000 | 3974.53 | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 80082 | CBOD 5 day | 30D Conc | 13 | 29.6666 | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 40.5 | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 80082 | CBOD 5 day | 30D Qty | 16 | 20.0848 | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 80082 | CBOD 5 day | 7D Qty | 25 | 26.5366 | 6/1/2012 |
| 2PB00057*JD | June 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 6/8/2012 |

| | | | | | | | | |
|-------------|-------------|-----|-------|------------------------|----------|-------|---------|-----------|
| 2PB00057*JD | June 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 28. | 6/8/2012 |
| 2PB00057*JD | June 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 6/15/2012 |
| 2PB00057*JD | June 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 29. | 6/15/2012 |
| 2PB00057*JD | June 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 28.5 | 6/22/2012 |
| 2PB00057*JD | July 2012 | 001 | 00530 | Total Suspended Solids | 30D Conc | 20 | 28. | 7/1/2012 |
| 2PB00057*JD | July 2012 | 001 | 31616 | Fecal Coliform | 30D Conc | 1000 | 9006.63 | 7/1/2012 |
| 2PB00057*JD | July 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 6244.99 | 7/1/2012 |
| 2PB00057*JD | July 2012 | 001 | 80082 | CBOD 5 day | 30D Conc | 13 | 22.625 | 7/1/2012 |
| 2PB00057*JD | July 2012 | 001 | 80082 | CBOD 5 day | 30D Qty | 16 | 18.3212 | 7/1/2012 |
| 2PB00057*JD | July 2012 | 001 | 00300 | Dissolved Oxygen | 1D Conc | 5.0 | 4.7 | 7/5/2012 |
| 2PB00057*JD | July 2012 | 001 | 00530 | Total Suspended Solids | 7D Conc | 30 | 32. | 7/8/2012 |
| 2PB00057*JD | July 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 7/8/2012 |
| 2PB00057*JD | July 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 23. | 7/8/2012 |
| 2PB00057*JD | July 2012 | 001 | 00530 | Total Suspended Solids | 7D Conc | 30 | 31. | 7/15/2012 |
| 2PB00057*JD | July 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 7/15/2012 |
| 2PB00057*JD | July 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 27. | 7/15/2012 |
| 2PB00057*JD | July 2012 | 001 | 01119 | Copper, Total Recovers | 1D Conc | 20.41 | 27. | 7/20/2012 |
| 2PB00057*JD | July 2012 | 001 | 01119 | Copper, Total Recovers | 1D Qty | 0.025 | .02688 | 7/20/2012 |
| 2PB00057*JD | July 2012 | 001 | 00530 | Total Suspended Solids | 7D Conc | 30 | 37.5 | 7/22/2012 |
| 2PB00057*JD | July 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 7/22/2012 |
| 2PB00057*JD | July 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 21. | 7/22/2012 |
| 2PB00057*JD | August 2012 | 001 | 31616 | Fecal Coliform | 30D Conc | 1000 | 10000. | 8/1/2012 |
| 2PB00057*JD | August 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 8/1/2012 |
| 2PB00057*JD | August 2012 | 001 | 80082 | CBOD 5 day | 30D Conc | 13 | 20.6666 | 8/1/2012 |
| 2PB00057*JD | August 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 27.5 | 8/1/2012 |
| 2PB00057*JD | August 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 8/8/2012 |
| 2PB00057*JD | August 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 8/15/2012 |
| 2PB00057*JD | August 2012 | 001 | 80082 | CBOD 5 day | 7D Conc | 20 | 20.5 | 8/15/2012 |
| 2PB00057*JD | August 2012 | 001 | 31616 | Fecal Coliform | 7D Conc | 2000 | 10000. | 8/22/2012 |