

VILLAGE PRESIDENT  
Seth Speiser

VILLAGE CLERK  
Jerry Menard

VILLAGE TRUSTEES  
Ray Matchett, Jr.  
Mike Blaies  
Denise Albers  
Dean Pruett  
Mathew Trout  
Lisa Meehling

# VILLAGE OF FREEBURG

FREEBURG MUNICIPAL CENTER  
14 SOUTHGATE CENTER, FREEBURG, IL 62243  
PHONE: (618) 539-5545 • FAX: (618) 539-5590  
Web Site: www.freeburg.com

VILLAGE ADMINISTRATOR  
Tony Funderburg

VILLAGE TREASURER  
Bryan A. Vogel

PUBLIC WORKS DIRECTOR  
John Tolan

POLICE CHIEF  
Michael J. Schutzenhofer

VILLAGE ATTORNEY  
Weilmuenster & Keck, P.C.

March 12, 2018

## NOTICE

### MEETING OF THE PUBLIC WORKS COMMITTEE Trash/Water/Sewer (Blaies/Meehling/Pruett/Trout)

A Public Works Committee Meeting of the Village of Freeburg will be held at the Municipal Center, Executive Board Room, on **Wednesday, March 14, 2018, at 5:45 p.m.**

#### PUBLIC WORKS COMMITTEE MEETING AGENDA

- I. Items to be Reviewed
  - A. Old Business
    1. Approval of February 14, 2018 Minutes
    2. New Sewer Plant
    3. Sewer Issues/Sewer Fuel Odors
    4. FSH Minutes
    5. Sewer Main – Jack’s Car Wash
    6. W. Apple St./Schiermeier Road/Old Freeburg Road Water Lines
    7. Private Sewer at Potter/West Street
    8. East and West Tower Work
    9. Spring Clean Up
  - B. New Business
    1. East Wastewater Treatment Plant NPDES Permit Renewal
    2. Executive Session to Discuss Litigation, 5 ILCS 120/2-(c)11
  - C. General Concerns
  - D. Public Participation
  - E. Adjourn

At said Committee Meeting, the Village Board of Trustees may vote on whether or not to hold an Executive Session to discuss potential litigation, [5 ILCS, 120/2 - (c)(11)]; the selection of a person to fill a public office [5 ILCS, 120/2 - (c) (3)] personnel [5 ILCS, 120/2 - (c) (1)]; or real estate transactions [5 ILCS, 120/2 - (c) (5)].

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PUBLIC WORKS COMMITTEE MEETING  
Trash/Water/Sewer  
(Blaies/Meehling/Pruett/Trout)  
Wednesday, February 14, 2018 at 5:45 p.m.

VILLAGE ADMINISTRATOR  
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The Public Works Committee Meeting was called to order at 5:48 p.m. on Wednesday, February 14, 2018, by Chairman Mike Blaies. Members present were Chairman Mike Blaies, Trustee Lisa Meehling, Trustee Dean Pruett, Trustee Matt Trout (absent), Mayor Seth Speiser, Village Clerk Jerry Menard (absent), Trustee Denise Albers, Trustee Ray Matchett, Public Works Director John Tolan, Village Administrator Tony Funderburg and Office Manager Julie Polson. Guests present: Janet Baechle and Pool Manager Scott Schulz.

## A. OLD BUSINESS:

1. Approval of January 10, 2018 minutes: Trustee Dean Pruett motioned to approve the January 10, 201 minutes and Trustee Lisa Meehling seconded the motion. All voting yea, the motion carried.
2. New Sewer Plant: Public Works Director John Tolan advised the plan has been sent to the EPA for review. Village Administrator Tony Funderburg has put together a chart with the proposed sewer rates. He will also explain the options on how we can structure our rate increase. He's going to use the minimum rate and average.
3. Sewer issues/Sewer Fuel Odors: John is working with a company that is going to demo and line a manhole with a concrete epoxy. They are going to start with the one at Lucky Joes, and work from there and seal or re-line all the manholes. This only applies to the manholes.
4. FSH Minutes: John stated last year Freeburg used 146,000,000 gallons, and SLM pumped 273,000,000 gallons. We are 54% of their usage.
5. Sewer Main – Jacks Car Wash: John stated we will go there as well.
6. W. Apple St./Schiermeier Road/Old Freeburg Road Water Lines: John is still working on W Apple, and is looking at the first part of March to get it rechlorinated and tested. The TWM proposal to put the Schiermeier Road water line out for bid will cost \$4,000. Tony said we need to do this in this year's budget if you still want to do the project.

Trustee Dean Pruett motioned to recommend to the full Board we approve TWM's Proposal to Prepare the Bid Documents for the Schiermeier Road Water Line not to exceed \$4,000 and Trustee Lisa Meehling seconded the motion. All voting yea, the motion carried.

Regarding Old Freeburg Road, the engineer can't put together the bid packet. Tony stated he is not comfortable putting together a bid packet for this. John will work on some estimates for these project costs.

7. Private Sewer at Potter/West Street: John advised we will work on this weather permitting.
8. East and West Tower Work: Nothing new.

Water/Sewer Committee Meeting  
Wednesday, February 14, 2018  
Page 1 of 2

**B. NEW BUSINESS:**

1. Spring Clean Up: The committee agreed to hold Spring Clean Up on Thursday, April 26<sup>th</sup> – Saturday, April 28<sup>th</sup>. John asked if we are okay with J&C E-Recycling, and the committee agreed they have done a great job and would like them back.
2. Executive Session to Discuss Personnel, 5 ILCS 120/2 – (c)(1): *Trustee Lisa Meehling motioned to enter Executive Session at 6:07 p.m., citing Personnel, 5 ILCS 120/2 – (c)(1) and Trustee Dean Pruett seconded he motion. All voting yea, he motion carried.*

*Trustee Dean Pruett motioned to end Executive Session at 6:12 p.m. and Trustee Lisa Meehling seconded the motion. All voting yea, the motion carried.*

*Trustee Lisa Meehling motioned to hire Michael Nussbaumer for the full-time crew worker position and Trustee Dean Pruett seconded the motion. All voting yea, the motion carried.*

John collected the first quarter THM samples today. He is meeting with the school next week regarding their samples.

**C. GENERAL CONCERNS:** None.

**D. PUBLIC PARTICIPATION:** None.

**E. ADJOURN:** *Trustee Dean Pruett motioned to adjourn the meeting at 6:13 p.m. and Trustee Lisa Meehling seconded the motion. All voting yea, the motion carried.*



Julie Polson,  
Office Manager

F.S.H. WATER COMMISSION  
TUESDAY, JANUARY 23, 2018

1. CALL TO ORDER. The meeting of F.S.H. Water Commission was called to order by President Ken Vielweber in the Village of Freeburg at 7:31 PM with the following present: Ken Vielweber, Joel Boeving, John Tolan, Gary Wittenauer, Chad Rhutasel, Larry Rhutasel and Bryan Vogel.
2. MINUTES. John Tolan motioned and Joel Boeving seconded to approve the December 19th minutes. Motion carried. (4-0)
3. FEBRUARY MEETING AND HEARING DATE. Next meeting and hearing date will be February 27, 7:30 PM.
4. GUESTS. None
5. CORRESPONDENCE & REPORTS. S.L.M. December minutes were presented. New business includes hiring a new operator and the river's up.
6. TREASURER'S REPORT. Treasurer's report, claims and bills for January were presented. A motion to approve the bills and reports presented was made by Gary Wittenauer, seconded by Joel Boeving. Motion carried by roll call vote. (4-0)
7. INVESTMENTS. As of 1/23/18:

Bank	Amount	Rate	Term	Maturity	Payments	Cert. #
Citizens Bank	\$250,000.00	2.15%	84 MO	09/10/24	Quarterly	11977641
Citizens Bank	\$150,000.00	2.20%	84 MO	10/17/23	Monthly	11977639
Citizens Bank	\$100,000.00	2.15%	84 MO	08/06/24	Monthly	11977640
Citizens Bank	\$150,000.00	2.12%	60 MO	03/20/21	Quarterly	11977644
Citizens Bank	\$300,000.00	1.75%	84 MO	09/06/20	Quarterly	11977643
Money Market	\$446,095.57	1.25%	N/A		Monthly	11977602
8. ENGINEER'S REPORT. Larry Rhutasel reported that he attended an AWWA webinar. Tips from the webinar include keeping up with water pricing and cash flow for replacement of equipment and lines.
9. HYDRO SERVICES, INC.
  - A. Chad Rhutasel reported that the system had been experiencing communication and heater issues with the cold snap.
  - B. Chad stated a sensing line at the Smithton tower froze and two spigots were damaged and had to be replaced.
  - C. Chad also reported that three customers had meters that froze due to the extreme cold and the customers' failure to let a faucet drip.
  - D. Norman Becker's meter had to be replaced. Meters are typically replaced on an as-needed basis; not periodically.
10. COMMISSIONER'S COMMENTS.
  - A. Vielweber: None.
  - B. Boeving: Joel reported that S.L.M. audit is completed.
  - C. Tolan: John questioned if there was an update on Country Co. insurance coverage; hopefully would like to see a meeting with Steck Cooper in March.
  - D. Wittenauer: None.
11. ADJOURN. Gary Wittenauer motioned and Joel Boeving seconded to adjourn at 8:01 PM; motion carried by roll call vote. (4-0). The meeting was adjourned until February 27, 7:30 PM.

Bryan A. Vogel / Clerk

Ken Vielweber / Chairman



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

BRUCE RAUNER, GOVERNOR

LISA BONNETT, DIRECTOR

Jan 31, 2018

Village of Freeburg – East Wastewater Treatment Facilities  
NPDES Permit No. IL0020753  
BOW ID: W1630600002



Village President Spieser  
14 Southgate Center  
Freeburg, Illinois 62234

Dear President Spieser:

In accordance with the provisions of the Illinois Environmental Protection Act, an inspection of the City's wastewater treatment plant was conducted on January 25, 2018, by Chris Monke representing the Collinsville Regional Office. John Tolan, Public Works Director, was interviewed by our representative during the inspection.

The purpose of this inspection was to evaluate compliance with the terms and conditions of your National Pollutant Discharge Elimination System (NPDES) Permit No. IL0020753 and Subtitle C: Water Pollution Regulations of the Illinois Pollution Control Board.

The purpose of this letter is to inform you of the results of the inspection. We are pleased to note from our representative's report that the various treatment plant units and associated mechanical equipment appeared to be satisfactorily operated and maintained. Based on the results of this inspection and review of our records concerning your facility, Freeburg East WWTP, is currently in substantial compliance with the terms and conditions of your NPDES Permit and Subtitle C.

We encourage you to properly maintain and operate your facility to prevent pollution and to achieve compliance with all the terms and conditions of your NPDES permit and the Water Pollution Control Regulations of the Illinois Pollution Control Board. Proper maintenance and operation includes effective performance, adequate funding, adequate operator staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures.

Village of Freeburg – East WWTP

NPDES Permit No. IL0020753

January 25, 2018

Page 2

A copy of the inspection report is enclosed for your information. If you should have any questions or comments concerning this letter or if this Agency can be of any assistance, please feel free to contact Chris Monke at 618/346-5120.

Sincerely,

ENVIRONMENTAL PROTECTION AGENCY



James L. Miles  
Manager Field Operations Section  
Bureau of Water  
Division of Water Pollution Control

Enclosure

Cc: Village Clerk

Bcc: BOW/DWPC/FOS Collinsville  
BOW/DWPC/CAS  
BOW/DWPC/FOS/Records



# EPA

## United States Environmental Protection Agency Water Compliance Inspection Report

### Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 <b>N</b> 2 <b>5</b> 3 <b>1</b> <b>L</b> <b>0</b> <b>0</b> <b>2</b> <b>0</b> <b>7</b> <b>5</b> <b>3</b> 11 12 <b>1</b> <b>8</b> <b>0</b> <b>1</b> <b>2</b> <b>5</b> 17			18 <b>R</b>	19 <b>S</b>	20 <b>1</b>
Remarks					
21					
66					
Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved.....	
67 <b>2</b> 69	70 <b>5</b>	71 <b>N</b>	72 <b>N</b>	73	74 75
80					

### Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) <b>Freeburg East Sewage Treatment Lagoon Southwest edge of Village just south of IL Route 15</b>	Entry Time/Date <b>10 AM 01/25/2018</b>	Permit Effective Date <b>10/21/2017</b>
	Exit Time/Date <b>12 PM 01/25/2018</b>	Permit Expiration Date <b>09/30/2022</b>
Name(s) of On-Site Representative(s)/Title(s)/ Phone and Fax Number(s) <b>John Tolan Public Works Director 618/539-9719</b>	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number <b>President Spieser 14 Southgate Center Freeburg, IL. 62234</b>	Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

### Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Operation & Maintenance	<input type="checkbox"/> Storm Water
<input checked="" type="checkbox"/> Records/Reports	<input checked="" type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Combined Sewer Overflow
<input type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Sanitary Sewer Overflow
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Pollution Prevention	<input type="checkbox"/> MS4

### Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation Codes, as necessary)

SEE ATTACHED REPORT

#### SEV Codes

#### SEV Description



Name(s) and Signature(s) of Inspector(s) <i>Christopher M. Monke</i> <b>Christopher M. Monke</b>	Agency/Office/Phone and Fax Numbers <b>IEPA / DWPC / FOS-Collinsville 618/346-5120 618/346-5155 (fax)</b>	Date <b>1/31/18</b>
Signature of Management Q A Reviewer <i>James L. Miles</i> <b>James L. Miles</b>	Agency/Office/Phone and Fax Numbers <b>IEPA / DWPC / FOS 618/782-1654</b>	Date <b>2/21/2018</b>

CC:

**Section A: National Data System Coding (i.e., PC 5)**

**Column 1: Transaction Code:** Use N, C, or D for New, Change, or Delete. All inspections will be automatics there is no error in the data entered.

**Columns 3-11: NPDES Permit No.:** Enter the facility's NPDES permit number - third character is permit number and four permit type for Unpermitted, General permit, etc. (Use the Remarks column to record the State permit number, if necessary.)

**Columns 12-17: Inspection Date:** Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

**Column 18: Inspection Type\*:** Use one of the codes listed below to describe the type of inspection:

A	Performance Audit	U	UI Inspection with Pretreatment Audit	I	Pretreatment Compliance (Oversight)
B	Compliance Biomonitoring	X	Toxic Inspection	@	Follow-up (enforcement)
C	Compliance Evaluation (non-sampling)	Z	Sludge - Biosolids	[	Storm Water-Construction-Sampling
D	Diagnostc	#	Combined Sewer Overflow-Sampling	]	Storm Water-Construction-Non-Sampling
E	Pretreatment Follow-up	S	Combined Sewer Overflow-Non-Sampling	^	Storm Water-Non-Construction-Sampling
F	Pretreatment Audit	+	Sanitary Sewer Overflow-Sampling	~	Storm Water-Non-Construction-Non-Sampling
G	Industrial User (IU) Inspection	=	Sanitary Sewer Overflow-Non-Sampling	~	Storm Water-MS4-Sampling
H	Complaint	&	CAFO-Sampling	>	Storm Water-MS4-Non-Sampling
I	Midstream	^	CAFO-Non-Sampling	>	Storm Water-MS4-Non-Sampling
J	Spill	~	UI Sampling Inspection	>	Storm Water-MS4-Sampling
K	Compliance Evaluation (Oversight)	~	UI Non-Sampling Inspection	>	Storm Water-MS4-Non-Sampling
L	Pretreatment Compliance Inspection	~	UI Toxic Inspection	>	Storm Water-MS4-Non-Sampling
M	Reconnaissance	~	UI Sampling Inspection with Pretreatment	>	Storm Water-MS4-Audit
N	Compliance Sampling	~	UI Non-Sampling Inspection with Pretreatment	>	Storm Water-MS4-Audit
		~	UI Toxic with Pretreatment	>	

**Column 19: Inspector Code:** Use one of the codes listed below to describe the lead agency in the inspection:

A	State (Contractor)	O	Other Inspectors, Federal/EPA (Specify in Remarks column)
B	EPA (Contractor)	P	Other Inspectors, State (Specify in Remarks column)
C	Local Agency	Q	EPA Regional Inspector
D	Other Local Agency	R	State Inspector
E	Joint EPA/State Inspectors—EPA Lead	S	Joint State/EPA Inspectors—State Lead
F	Local Health Department (State)		
G	Other Local Health Department		
H	Other Local Health Department		
I	Other Local Health Department		

**Column 20: Facility Type:** Use one of the codes below to describe the facility.

- 1 — Municipal: Publicly Owned Treatment Works (POTW) with 1987 Standard Industrial Code (SIC) 4962
- 2 — Industrial: Other than municipal, agricultural, and Federal facilities.
- 3 — Agricultural: Facilities classified with 1987 SIC 0111 to 0871.
- 4 — Federal: Facilities identified as Federal by the EPA Regional Office.
- 5 — Oil & Gas: Facilities classified with 1987 SIC 1311 to 1389.

**Columns 21-66: Remarks:** These columns are reserved for remarks at the discretion of the Region.

**Columns 67-69: Inspection Work Days:** Estimate the total work effort (to the nearest 0.1 work day) up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors, any effort for laboratory analyses, testing, and remote sensing, and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

**Column 70: Facility Evaluation Rating:** Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

**Column 71: Biomonitoring Information:** Enter D for state testing, Enter F for flow through testing, Enter N for no biomonitoring.

**Column 72: Quality Assurance Data Inspection:** Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

**Columns 73-80:** These columns are reserved for regionally defined information.

**Section B: Facility Data**

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCB (e.g., new outfalls, names of receiving waters, new ownership), other updates to the record, SIC/NAICS Codes, Lat/Lon/Longitude.

**Section C: Areas Evaluated During Inspection**

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection. The heading marked "Multimedia" may indicate medias such as CAA, RCRA, and TSDA.

**Section D: Summary of Findings/Comments**

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

\*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: R: CAFO; V: SSO; Y: CSO; W: Storm Water; MSA. States may also use the new wet weather, CAFO and MSA inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MSA inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

Revised 11/2006

Industrial Users: There is no industry tributary to the treatment plant.

## **WASTEWATER TREATMENT PLANT**

Inlet Structure: A single 10-inch diameter force main from the terminal lift station conveys all wastewater tributary to the collection system into the treatment plant. The force main is elevated on a pier above the water surface of the 1<sup>st</sup> cell of the lagoon, providing a freefall into the cell.

Raw Sewage: The raw sewage as noted at the discharge from the terminal lift station into the first cell of the lagoon was relatively clear with a slight grayish tinge.

Bypass/Excess Flow Treatment: Bypasses at the treatment plant have not been a problem. No provisions have been made for excess flows.

Influent Flow Measurement: Lapse time meters are provided on the main lift station pumps for influent flow measurement.

Lagoon System: The system consists of a two cell, in series, mechanically aerated, lagoon system. The 1<sup>st</sup> cell is 8.1 acres in size with four floating horizontal aspirator aerators. The 2<sup>nd</sup> cell is 1.3 acres in size and is aerated by one floating vertical surface aerator. Controls for the aerators are located on nearby utility poles. During normal operation, the aerators run continuously.

Improvements were made to both lagoon cells in 2012-2013. Cells were dewatered and sludge was pumped from both cells and land applied under Permit No. 2012-SC-0877. Also, part of the improvements was rip rap installed as well as new outfall structures for both cells.

Cell #1: The contents of cell #1 were clear with a light green color. The surface of the cell was free of solids. There were no odors around cell 1. The four aspirating aerators were operating. Approximately 3 to 4 feet of freeboard was provided in cell 1.

Cell #2: The contents of cell #2 were clear with a light green tinge. The surface of the cell was free of solids. There were no odors noted around cell #2. The single vertical surface aerator provided in this cell was operating. Approximately 3 feet of freeboard was provided to the top of the berm.

Filtration: A pressure tertiary filter system is provided, which consists of the following units: a mixing and chemical coagulant addition manhole; a settling basin; a tertiary filter pumping station; five pressure filters; chlorine contact/final settling basin. The five pressure filters are housed in the control building, but the remaining units are located outside the control building.

The sludge draw-off pump serves both the tertiary settling tank, which is located upstream of the pressure filters and the chlorine contact/final settling tank, which is located downstream of the pressure filters. Sludge from both the tertiary settling tank and the final settling tank is returned

## **FIELD REPORT**

Facility Name: Freeburg East Wastewater Treatment Plant

NPDES Permit No.: IL0020753

BOW ID: W1630600002

Inspection Date: January 25, 2018

Inspected By: Chris Monke, BOW – Collinsville

Interviewed: John Tolan, Public Work Director & Operator

### **GENERAL INFORMATION**

Plant Location: The plant is located at the southeast edge of town just south of Illinois Route 15.

Receiving Waters: The plant effluent discharges to Lemen Branch.

Past Construction Permits: The original sewage treatment facilities located at the existing site went online during in 1968. Supplemental Permit 1965-AA-497-2 was issued by the Sanitary Water Board for the construction of these facilities. The sewage treatment facilities consisted of a two-cell waste stabilization lagoon operated in series. The two cells provided a total surface area of approximately 9.56 acres. Permit 1973-AB-186-2 was issued for the addition of pressure tertiary filters and all associated equipment. This system went into service in October 1976.

Permitted Capacity: DAF = 0.31 MGD; DMF = 0.775; BOD<sub>5</sub> = 527 lbs/day; and TSS = 620 lbs/day.

### **COLLECTION SYSTEM**

Type of System: A separate sanitary sewer system is provided. The collection system was constructed in 1967 and 1968 during the construction of the original two-cell waste stabilization lagoon.

Lift Stations: Four lift stations are provided on the collection system. A fifth lift station is located at the lagoon site, this is the terminal lift station. The lift stations are maintained by village personnel. The lift stations are check twice each week. Mr. Tolan noted that all lift stations were operating properly.

Mr. Tolan explained that improvements to the wastewater treatment and collection facilities since the last CEI Inspection (Oct. 2010) consist of rehabilitating the swimming pool lift station and the 5<sup>th</sup> Street lift station. Also, as part of the improvements, automatic dialer alarms have been provided for all lift stations.

to the first cell of the lagoon.

Backwashing of the five filters can be automatically activated or manually activated. Air scouring of the filter media is also provided. The filter media in the pressure filter was last changed in 1994.

Mr. Tolan reported that the pressure filters are bypassed. He went on to explain that he treats both the first and second cells with a herbicide to control the algae, which appeared to be as effective as using the pressure filters.

Effluent Flow Measurement: Effluent flow measurement equipment is not provided; consequently, the influent flows are also reported for the effluent flows.

Effluent Disinfection: The facility has a year-round disinfection exemption and no longer chlorinates.

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### **NPDES PERMIT COMPLIANCE**

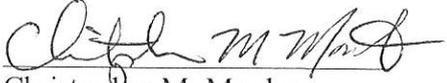
Self-Monitoring Program: Discharge Monitoring Reports have been submitted in a timely manner. Sample analysis for reporting on DMRs is performed by John Tolan at the Freeburg West WWTP lab. Annual fiscal reports have been received as required by the NPDES permit.

Effluent Quality: The attached sheet contains a spreadsheet showing a summary of LIMS data. The effluent as noted at chlorine contact tank weir was clear with no apparent discoloration. There were no unusual odors noted in this area.

Operation & Maintenance: An appropriate level of operation and maintenance is provided for the wastewater collection and treatment facilities.

### **SUMMARY**

The wastewater treatment facilities were generally being properly operated and maintained. The plant effluent routinely meets NPDES permit requirements

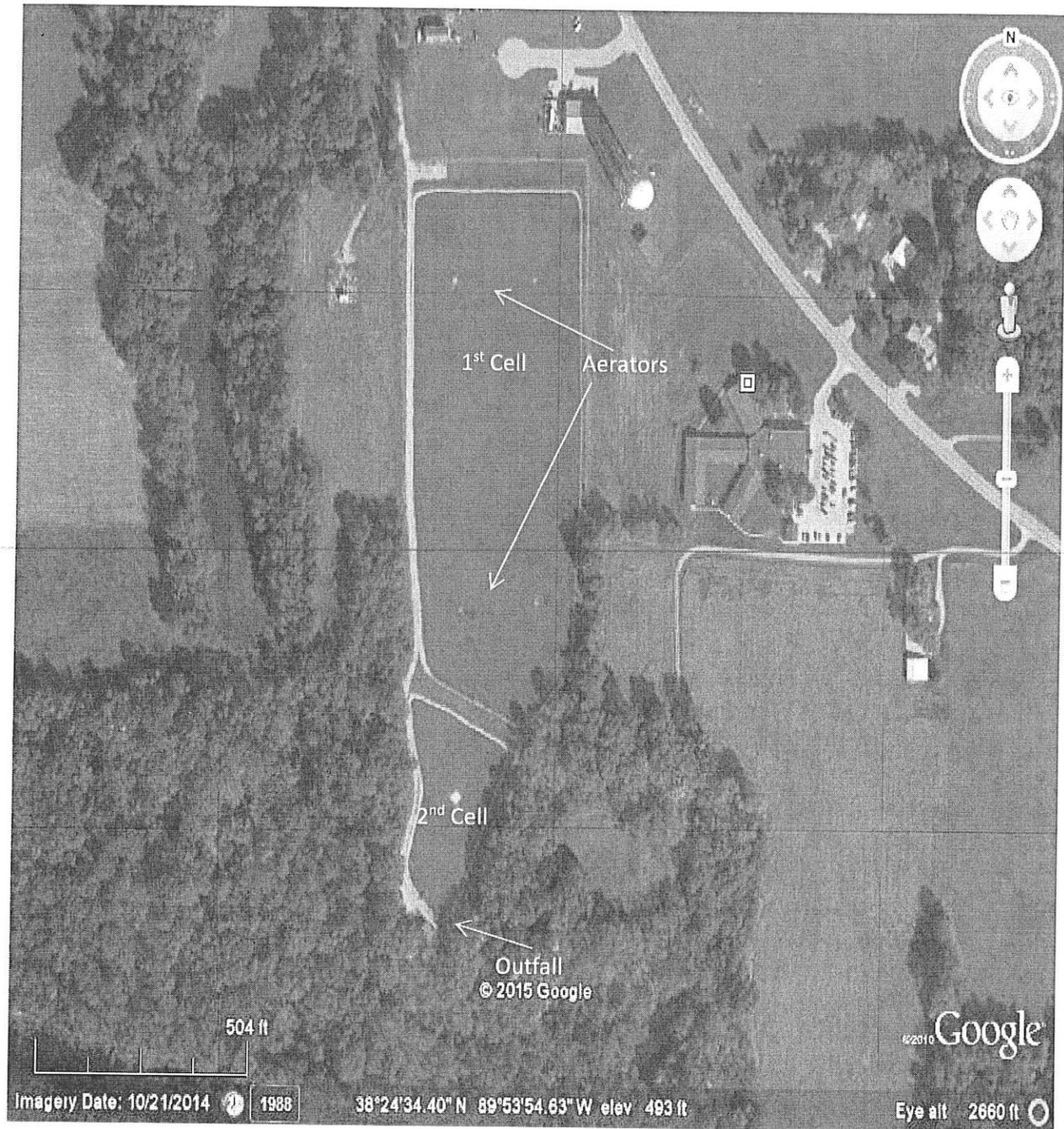
  
Christopher M. Monke

cc: BOW – Collinsville  
cc: Freeburg

# DMR SUMMARY

Facility VILLAGE OF FREEBURG EAST STP  
 NPDES IL0020753  
 Outfall 0010

Date	Infl Flow		Effl Flow		pH		Infl BOD	Infl TSS	Effl CBOD	Infl TSS	Nitrogen, Ammonia Total		CL2 Residual		Phosphorus		Fecal		DO - Minimums		
	M-Avg	D-Max	M-Avg	D-Max	Min	Max					M-Avg	D-Max	M-Avg	D-Max	M-Avg	D-Max	M-Avg	D-Max	M-Avg	D-Max	M-Avg
8/31/2016	0.19	0.911	0.911	0.19	7.7	7.7	102	72	4.6	16							20000	9	9	8.5	8.5
9/30/2016	0.183	0.781	0.781	0.183	7.5	7.5	61	55	4.4	11							1600	8.5	8.5	8.5	8.5
10/31/2016	0.14	0.617	0.617	0.14	7.6	7.6	120	52	7.3	18							6400	9.1	9.1	9.1	9.1
12/31/2016	0.136	0.176	0.176	0.136	7.6	7.6	99	29	5.5	4								10	10	10	10
1/31/2017	0.21	0.752	0.752	0.21	7.3	7.3	141	55	6.7	4								9.4	9.4	9.4	9.4
2/28/2017	0.132	0.21	0.21	0.132	7.7	7.7	100	59	8.3	11								8.8	8.8	8.8	8.8
3/31/2017	0.167	0.374	0.374	0.167	7.3	7.3	131	59	5.4	11								8.8	8.8	9.8	9.8
5/31/2017	0.278	1.256	1.256	0.278	7.4	7.4	169	34	5	19							410			8.5	8.5
6/30/2017	0.13	0.328	0.328	0.13	7.3	7.3	113	137	5.6	8.3							150			9.2	9.2
7/31/2017	0	0.113	0.113	0	7.6	7.6	174	140	5.7	2							20			8.6	8.6
8/31/2017	0.08	0.126	0.126	0.08	7.3	7.3	148	74	2.2	8							410			8.6	8.6
9/30/2017	0.07	0.09	0.09	0.07	7.6	7.6	169	204	4.2	11							80			8.6	8.6
10/31/2017	0.77	0.122	0.122	0.77	7.7	7.7	250	202	0.7	7							140			8.8	8.8
11/30/2017	0.084	0.168	0.168	0.084	7.6	7.6	141	59	6.1	8								1.4		8.8	8.8



Freeburg East Lagoon Google Earth Image