

VILLAGE PRESIDENT
Ray Danford

VILLAGE CLERK
Jerry Menard

VILLAGE TRUSTEES
Corby Valentine
Steve Smith
Tony Miller
Rita Baker
Seth Speiser
Charlie Mattern

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

August 9, 2010

NOTICE

VILLAGE ADMINISTRATOR
Dennis Herzing

VILLAGE TREASURER
Bryan A. Vogel

PUBLIC WORKS DIRECTOR
Ronald Dintelmann

POLICE CHIEF
Melvin E. Woodruff, Jr.

VILLAGE ATTORNEY
Stephen R. Wigginton

MEETING OF THE PUBLIC WORKS COMMITTEE Trash/Water/Sewer (Mattern/Speiser/Miller)

A Public Works Committee Meeting of the Village of Freeburg will be held at the Municipal Center, Executive Board Room, on **Wednesday, August 11, 2010, at 4:30 p.m.**

PUBLIC WORKS COMMITTEE MEETING AGENDA

- I. Items To Be Reviewed
 - A. Old Business
 1. Approval of July 21, 2010 minutes
 2. SAVE Site water situation
 3. Sewer Project
 4. Recycling
 5. FSH System Requirements
 6. B-2 Trash Bins
 7. 806 W. Apple - low water pressure
 8. IEPA West Land Application of Sewage Sludge
 9. Resident complaint regarding bill
 - B. New Business
 - 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) a.]; or real estate transactions [5 ILCS, 120/2 - (c) (5)].

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PUBLIC WORKS COMMITTEE MEETING

Trash/Water/Sewer

(Mattern/Miller/Speiser)

Wednesday, August 11, 2010 at 4:30 p.m.

The Public Works Committee Meeting was called to order at 4:37 p.m. on Wednesday, August 11, 2010, by Chairman Charlie Mattern. Members present were Chairman Charlie Mattern, Trustee Tony Miller, Trustee Seth Speiser, Village Administrator Dennis Herzing, Assistant Public Works Director John Tolan and Office Manager Julie Polson. Guests present: Daniel Wuest, Mary Beth Wuest and Tim Pruett.

A. OLD BUSINESS:

1. Approval of July 21, 2010 minutes: Trustee Tony Miller motioned to approve the July 21, 2010 minutes and Chairman Charlie Mattern seconded the motion. All voting aye, the motion carried.
2. SAVE Site/Lee Hopp Drive Watermain Replacement: Assistant Public Works Director John Tolan advised the pipe has been delivered and thought they were starting work this week.
3. Sewer Project: Dennis talked to Larry Rhutasel about fees on the sewer project and Larry said we are doing okay on the overall project. Rhutasel needs a decision on how to proceed with the line north on 13/15. Charlie thinks we need to go with a gravity line to the top of the hill and both Dennis and Tony agreed. Tim Pruett suggested by extending the gravity line farther, it might be eligible for the IEPA loan. Other topics were discussed in executive session.
4. Recycling: The cardboard dumpsters still filling up very quickly. Julie will talk to Jenifer at Abitibi to see if we can replace one of the cardboard dumpsters with a taller one.
5. FSH System Requirements: Assistant Public Works Director John Tolan said this is on hold right now.
6. B-2 Trash Bins: On hold for now.
7. 806 W. Apple: APWD Tolan told the committee he talked to Steve Kelley about this. Mr. Kelley is in the process of locating his line and wants to excavate it first to see what he has and then decide if he wants to go off the back or off the front.
8. IEPA West Land Application of Sewage Sludge: A copy of the approved IEPA permit for the west plant was provided.

9. Resident complaint regarding bill: Daniel and Mary Beth Wuest were present at the meeting to request a refund of the \$50 they paid when they requested that their meter be sent for testing. Mrs. Wuest reviewed her account history and said there was no way that her meter could test fine. She stated the meter was bad and doesn't believe she should have had to pay the \$50 deposit. She did state she was not contesting the amount of water used. She also questioned the company we used for testing and said she called Belleville who informed her they use a local company for testing their meters. Both Dennis and John attempted to provide a possible explanation of what happened to the Wuest's bill over the past several months and a copy is attached to the packet. At the time we pulled her meter for testing, we did install a radio read meter. After a very lengthy discussion, the committee decided to refund the \$50 deposit.

Trustee Tony Miller motioned to refund Mr. and Mrs. Wuest the \$50.00 deposit for meter testing due to inaccurate readings and Trustee Seth Speiser seconded the motion. All voting aye, the motion carried.

- B. NEW BUSINESS:** None.
- C. GENERAL CONCERNS:** None.
- D. PUBLIC PARTICIPATION:** See Old Business, number 9.

EXECUTIVE SESSION
5:27 P.M.

Trustee Tony Miller motioned to enter into Executive Session at 5:27 p.m. citing potential litigation, 5 ILCS, 120/2-(c)(11) and Trustee Seth Speiser seconded the motion. All voting aye, the motion carried.

EXECUTIVE SESSION ENDED
5:31 P.M.

Trustee Charlie Mattern motioned to end Executive Session at 5:31 p.m. and Trustee Tony Miller seconded the motion. All voting aye, the motion carried. Chairman Mattern reconvened the meeting at 5:31 p.m.

- E. ADJOURN:** *Trustee Tony Miller motioned to adjourn at 5:36 p.m. and Trustee Seth Speiser seconded the motion. All voting aye, the motion carried.*



Julie Polson
Office Manager

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PUBLIC WORKS COMMITTEE MEETING
Trash/Water/Sewer
(Mattern/Miller/Speiser)
Wednesday, July 21, 2010 at 5:30 p.m.

The Public Works Committee Meeting was called to order at 5:37 p.m. on Wednesday, July 21, 2010, by Chairman Charlie Mattern. Members present were Chairman Charlie Mattern, Trustee Tony Miller (entered in Executive Session), Trustee Seth Speiser, Village Administrator Dennis Herzing, Assistant Public Works Director John Tolan and Office Manager Julie Polson. Guests present: Steve Kelley, Mr. and Mrs. Phil Tadlock and Janet Baechle.

A. OLD BUSINESS:

1. Approval of June 16, 2010 and July 15, 2010 minutes: Trustee Seth Speiser motioned to approve the June 16, 2010 and July 15, 2010 minutes and Chairman Charlie Mattern seconded the motion. All voting aye, the motion carried.
2. SAVE Site/Lee Hopp Drive Watermain Replacement: Village Administrator Herzing said they had the pre-construction meeting and are waiting to hear from Korte-Luithohan on when they want to start. The paperwork has been finalized.
3. Sewer Project: Discussed in executive session.
4. Recycling: The cardboard dumpsters are filling up very quickly. Julie talked to Abitibi who said if we take away the paper dumpsters, we will be charged more for the cardboard dumpsters. Julie said we have collected \$467 from the paper recycling and the schools have collected \$53. Julie said Abitibi feels it is will be a safety problem if we put more cardboard dumpsters out there. They will try to add an additional route to help us out but isn't sure if and when that will happen.
5. FSH System Requirements: Assistant Public Works Director John Tolan said this is on hold right now.
6. Dumpster at lot on White Street: Item can be taken off the agenda.
7. Towers Fire Apparatus/Fire Hydrants: Dennis said we have not received a response from Towers. Item can be taken off the agenda.
8. IEPA - Noncompliance Advisory: John said we received a letter from IEPA accepting our response. Item can be taken off the agenda.
9. B-2 Trash Bins: On hold for now.
10. 806 W. Apple: APWD Tolan advised the committee he did some further locating and the trailer is not on that line making Tadlock's home the first home on the 1" line. John was able to confirm there are three people on the 1" line - Tadlock,

Water/Sewer Committee Meeting
Wednesday, July 21, 2010
Page 1 of 2

Kelley and Meyers. John's suggestion is to leave Tadlock on that line as is and disconnect Meyer and Kelley from the 1" line. John said they will bore across the road and hook up Meyer to the 6" line. John thinks the best solution for Kelley would be to hook onto the 8" line on Cherry Tree Lane. Dennis suggested the easiest solution for him may be to run from the new meter up the east side of his driveway and connect to his existing service line to the front of his house. Kelley indicated he may want to put a new line from the meter on the west side of his driveway into the rear of his home and abandon his existing service line completely. Dennis advised the Village is trying to correct an illegal situation and also stated it will cost the Village approximately \$2,000 for their portion of the materials/labor. Dennis and John will meet with Kelley to determine the best location for his meter prior to installation. Chairman Mattern asked the timeframe for this job and John said it will have to wait until the road oiling is done. John also said he will keep everyone informed of when the project will start.

11. Mike Stark water issue: Dennis sent a letter to Mike Stark, a copy of which is included in the packet, and said Mr. Stark has not responded to the letter. Item can be taken off the agenda.

B. NEW BUSINESS: None.

C. GENERAL CONCERNS: None.

D. PUBLIC PARTICIPATION: See Old Business, number 10.

EXECUTIVE SESSION

6:07 P.M.

Trustee Seth Speiser motioned to enter into Executive Session at 6:07 p.m. citing potential litigation, 5 ILCS, 120/2-(c)(11) and Chairman Charlie Mattern seconded the motion. All voting aye, the motion carried.

EXECUTIVE SESSION ENDED

6:26 P.M.

Trustee Tony Miller motioned to end Executive Session at 6:26 p.m. and Trustee Seth Speiser seconded the motion. All voting aye, the motion carried. Chairman Mattern reconvened the meeting at 6:26 p.m.

E. ADJOURN: *Trustee Seth Speiser motioned to adjourn at 6:26 p.m. and Trustee Tony Miller seconded the motion. All voting aye, the motion carried.*



Julie Polson
Office Manager

MEMO:

To: Water & Sewer Committee

From: Dennis R. Herzing, P.E., Village Administrator



CC: Mayor Danford, John Tolan

Date: 08/06/2010

Re: Sewer Study Status

I spoke with Larry Rhutasel today to ask for an estimate of the added design fees associated with preparing a permit application for either all force main or combination force main & gravity sewer for the Helms area sewer. He indicated that they will do the permit application for either approach as part of the ongoing project without additional fees.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

217/782-2027

JUL 14 2010

Mr. Raymond Danford
President, Village of Freeburg
14 Southgate Center
Freeburg, Illinois 62243

RECEIVED

JUL 19 2010

Re: Illinois EPA Loan Program Funding Application
Clean Water SRF - Green Project Reserve Documentation
Freeburg/L173647

Dear Mr. Danford:

A Planning Report is under review, or has been reviewed, as part of your request for funding from the Agency's Water Pollution Control Loan Program (WPCLP). The USEPA will require that 20% of the funds made available to Illinois from their Fiscal Year 2010 Appropriation for the State Revolving Fund programs be used by the State to fund projects that will make up the State's Green Project Reserve (GPR). The Agency believes your project may include components eligible for inclusion in Illinois' GPR. Green Project Reserve activities will address environmental improvements that qualify as green infrastructure, water or energy efficiency or environmentally innovative activities as defined herein;

Green Infrastructure: Includes a wide array of practices at multiple scales which manage and treat stormwater and which maintain and restore natural hydrology by infiltrating, evapotranspiring and capturing and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site-and neighborhood-specific practices, such as bioretention, trees, green roofs, porous pavements and cisterns.

Water Efficiency Improvements: Capital projects that incorporate the use of improved technologies and practices to deliver equal or better services with less water.

Energy Efficiency Improvements: Capitol projects that incorporate the use of improved technologies and practices to reduce the energy consumption of water quality projects, including projects to reduce energy consumption or produce clean energy used by a treatment works.

Environmentally Innovative: Includes projects which demonstrate new and/or innovative approaches to delivering service and/or managing water resources in a more sustainable way, including projects that achieve pollution prevention, pollutant removal, public health protection and environmental protection objectives with reduced costs.

In order to assist the Agency in fulfilling our GPR requirement, we respectfully request that you;

- 1) Review the attached "Quick Reference Guide" document (please note the parenthetical references within the guide refer to the "2010 Green Project Reserve Guidance (Attachment 2)" which is available on the Agency website) to determine if your project, or portions of your project, qualify for inclusion in Illinois' GPR and identify the portion(s) of your project that may be;
 - a) Categorically approved as a "green project";
 - b) A "green project" requiring a "business case" demonstration to qualify;
 - c) Non-eligible as a "green project".

Note: Your project should fall within one of these categories.

- 2) Where applicable, complete the attached Green Project Reserve Determination form(s) which define/identify aspects of your proposed project(s) which result in water and/or energy efficiency improvements (electronic versions of these spreadsheets are available).

For "Non-Green" projects simply circle the "Non-Eligible/Non-Green" item on the form(s) and you are done.

- 3) Provide a detailed discussion on "green" aspects of the proposed activities, and their associated costs, which could be included in Illinois' GPR.

For projects requiring a "business case", examples can be found at:

http://www.epa.gov/water/eparecovery/docs/2009_09_25_DWSRF_GPR_Business_Case_Examples.pdf

Please be advised that additional guidance, including the 2010 Green Project Reserve Guidance (Attachment 2) referenced above can be found on the Agency's website at:

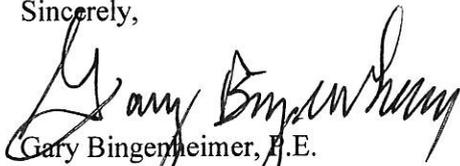
<http://www.epa.state.il.us/water/financial-assistance/>

Blake Harris of our staff is available to discuss with your staff, or your consulting engineer, information which will assist the Agency in identifying components of your project that qualify for the GPR.

We appreciate your cooperation as we work to provide funding to your community and meet the requirements of our capitalization grant.

If you have any questions, I can be reached at the number listed above.

Sincerely,



Gary Bingenheimer, P.E.
Pre-Construction Unit Manager
Infrastructure Financial Assistance Section
Bureau of Water

ES:Tm10070806

cc: Cons. Engr., Rhutasel & Associates

Clean Water State Revolving Fund Green Project Reserve
Quick Reference Guide Examples Summary

Eligible Green Projects		Non-eligible/Non-Green Types of Projects	Reference Source for Further Information
Categorical – No “Business Case” Required	Requires “Business Case” Justification		
<p><u>Green Infrastructure:</u></p> <ul style="list-style-type: none"> • Implementation of green streets & other practices designed to mimic natural hydrology and reduce effective imperviousness. Includes capital equipment necessary to maintain projects. (see 1.2-1, page 5) • Green wet weather management systems for parking areas. Includes capital equipment necessary to maintain projects. (see 1.2-2, page 5) • Implementation of comprehensive street tree or urban forestry programs (including larger tree boxes). (see 1.2-3, page 5) • Stormwater harvesting and reuse projects such as cisterns. (see 1.2-4, page 5) • Downspout disconnection projects that manage runoff onsite. (see 1.2-5, page 5) • Comprehensive wet weather retrofit programs using green 	<p><u>Green Infrastructure:</u></p> <ul style="list-style-type: none"> • Fencing to keep livestock out of streams and stream buffers. (see 1.5-1, page 7) <p>Design criteria for Green Infrastructure business cases can be found in Section 1.4, pages 6 & 7.</p> <p>Example business cases are available at http://www.srfbusinesscases.net/</p>	<p><u>Green Infrastructure:</u></p> <ul style="list-style-type: none"> • Stormwater controls that have impervious or semi-pervious liners and provide no evapotranspirative or harvesting function. (see 1.3-1, page 6) • Stormwater ponds that only provide extended detention including dirt lined detention basins. (see 1.3-2, page 6) • In-line and end-of-pipe stormwater filtration and detention systems. (see 1.3-3, page 6) • Underground stormwater control and treatment devices. (see 1.3-4, page 6) • Stormwater conveyance systems that are not soil/vegetation based such as pipes and concrete channels. Certain exceptions can possibly be justified as “Environmentally Innovative.” (see 1.3-5, 	<p>Attachment 2 to FY 2010 SRF Guidance – 2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve: Guidance for Determining Project Eligibility dated April 21, 2010, Part A</p>

Note: Green Project Reserve (GPR) projects must meet the definition of one of the four GPR categories. The individual GPR categories do not create new eligibility for the CWSRF. The projects that count toward GRP must otherwise be eligible for CWSRF funding.

Eligible Green Projects		Reference Source for Further Information
Categorical – No “Business Case” Required	Requires “Business Case” Justification	
<p>leak detection to existing meters (not replacing meters). (see 2.2-4, page 7)</p> <ul style="list-style-type: none"> Water audit and water conservation plans that are reasonably expected to result in a water capital project. (see 2.2-5, page 7) Recycling and water reuse projects that replace potable sources. (see 2.2-6, page 7) More efficient landscape irrigation systems, either through retrofit or replacement. (see 2.2-7, page 7) More efficient agricultural irrigation systems, either through retrofit or replacement. (see 2.2-8, page 8) 	<p>agricultural irrigation systems. (see 2.5-4, page 8)</p> <p>Design criteria for Water Efficiency business cases can be found in Section 2.4, page 8.</p> <p>Example business cases are available at http://www.srfbusinesscases.net/</p>	<p>Non-eligible/Non-Green Types of Projects</p> <p>pipng. (see 2.3-4, page 8)</p>
<p><u>Energy Efficiency:</u></p> <ul style="list-style-type: none"> Renewable energy projects (wind, solar, geothermal, micro-hydroelectric, and biogas) that provide power to a POTW. (see 3.2-1, page 8) Projects that achieve a 20% or more reduction in energy consumption. (see 3.2-2, page 9) Collection system Infiltration/Inflow (I/I) detection equipment. (see 3.2-3, page 9) 	<p><u>Energy Efficiency:</u></p> <ul style="list-style-type: none"> POTW projects or unit process projects that achieve <u>less than 20% in energy savings</u>. (see 3.5-1, page 10) Projects implementing energy audit recommendations that are not otherwise designated as categorical. (see 3.5-2, page 10) Projects that cost effectively eliminate pumps or pumping stations. (see 3.5-3, page 10) 	<p>Attachment 2 to FY 2010 SRF Guidance – 2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve: Guidance for Determining Project Eligibility dated April 21, 2010, Part A</p>

Note: Green Project Reserve (GPR) projects must meet the definition of one of the four GPR categories. The individual GPR categories do not create new eligibility for the CWSRF. The projects that count toward GRP must otherwise be eligible for CWSRF funding.

Eligible Green Projects		Reference Source for Further Information
Categorical – No “Business Case” Required	Requires “Business Case” Justification	
<p>technology approaches. (see 1.2-6, page 5)</p> <ul style="list-style-type: none"> Establishment or restoration of natural riparian features. (see 1.2-7, page 5-6) Wetland management projects that improve water quality. (see 1.2-8, page 6) Water quality portion of sustainable landscaping and site design projects. (see 1.2-9, page 6) Fee simple purchase of land or easements that have direct benefit to water quality. (see 1.2-10, page 6) 	<p>page 6)</p> <ul style="list-style-type: none"> Hardening, channelizing, or straightening streams and/or stream banks. (see 1.3-6, page 6) Capital expenditures for maintenance equipment that does not support green infrastructure projects. (see 1.3-7, page 6) 	<p>Attachment 2 to FY 2010 SRF Guidance – 2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve: Guidance for Determining Project Eligibility dated April 21, 2010, Part A</p>
<p><u>Water Efficiency:</u></p> <ul style="list-style-type: none"> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances. Includes rebate incentive programs. (see 2.2-1, page 7) Installation of water meters (any type) in a previously unmetered area. (see 2.2-2, page 7) Replacement of existing broken/malfunctioning water meters, or upgrading existing meters. (see 2.2-3, page 7) Retrofitting/adding automatic meter reading capabilities or 	<p><u>Water Efficiency:</u></p> <ul style="list-style-type: none"> Water meter replacement with traditional water meters. (see 2.5-1, page 8) Projects resulting from a water audit or water conservation plan. (see 2.5-2, page 8) Storage tank replacement/rehabilitation to reduce loss of reclaimed water. (see 2.5-3, page 8) New water efficient landscape irrigation systems. (see 2.5-4, page 8) New water efficient 	<p><u>Water Efficiency:</u></p> <ul style="list-style-type: none"> Agricultural flood irrigation. (see 2.3-1, page 8) Lining of canals to reduce water loss. (see 2.3-2, page 8) Drinking water distribution line pipe replacement. Could potentially be GPR eligible under the DWSRF program. (see 2.3-3, page 8) Leak detection equipment for drinking water distribution system unless used for reuse distribution

Note: Green Project Reserve (GPR) projects must meet the definition of one of the four GPR categories. The individual GPR categories do not create new eligibility for the CWSRF. The projects that count toward GPR must otherwise be eligible for CWSRF funding.

Eligible Green Projects		Reference Source for Further Information
Categorical – No “Business Case” Required	Requires “Business Case” Justification	
<ul style="list-style-type: none"> POTW energy management planning projects such as energy assessments, energy audits, etc. (see 3.2-4, page 9) 	<ul style="list-style-type: none"> Infiltration/Inflow (I/I) correction projects that save energy from pumping and reduced treatment costs. (see 3.5-4, page 10) I/I correction projects where excessive groundwater infiltration is requiring otherwise unnecessary treatment processes. (see 3.5-5, page 10) Replacement of pre-Energy Policy Act of 1992 motors with NEMA premium efficiency motors. (see 3.5-6, page 10) Upgrade of POTW lighting to energy efficient sources. (see 3.5-7, page 10) Installation of SCADA systems for energy efficiency. (see 3.5-8, page 10) Variable Frequency Drives (VFDs) based upon an energy savings. (see 3.5-9, page 10) <p>Design criteria for Energy Efficiency business cases can be found in Section 3.4, pages 9 & 10.</p> <p>Example business cases are available at http://www.srfbusinesscases.net/</p>	<p>treatment process. (see 3.3-3, page 9)</p> <ul style="list-style-type: none"> Hydroelectric facilities except for micro-hydroelectric projects capturing energy from pipe flow. (see 3.3-4, page 9)

Note: Green Project Reserve (GPR) projects must meet the definition of one of the four GPR categories. The individual GPR categories do not create new eligibility for the CWSRF. The projects that count toward GRP must otherwise be eligible for CWSRF funding.

Eligible Green Projects		Reference Source for Further Information
Categorical – No “Business Case” Required	Requires “Business Case” Justification	
<p><u>Environmentally Innovative:</u></p> <ul style="list-style-type: none"> Total/integrated water resources management planning likely to result in a capital project. (see 4.2-1, page 10) Utility Sustainability Plan consistent with EPA’s SRF sustainability policy. (see 4.2-2, page 10) Greenhouse gas (GHG) inventory or mitigation plan and submission of a GHG inventory. (see 4.2-3, page 10) POTW planning activities to prepare for long-term effects of climate change and/or extreme weather. (see 4.2-4, page 10) Construction of LEED certified buildings or renovation of an existing building on POTW facilities. (see 4.2-5, page 10) Decentralized wastewater treatment solutions to existing deficient or failing onsite wastewater systems. (see 4.2-6, page 11) 	<p><u>Environmentally Innovative:</u></p> <ul style="list-style-type: none"> Constructed wetlands used for wastewater treatment, polishing, and/or effluent disposal. (see 4.5-1, page 12) CWSRF eligible projects resulting from total/integrated water resource management planning. (see 4.5-2, page 12) Projects that facilitate adaptation of POTWs to climate change. (see 4.5-3, page 12) POTW upgrades or retrofits that remove phosphorus for beneficial use. (see 4.5-4, page 12) Application of innovative treatment technologies or systems that improve environmental conditions. (see 4.5-5, page 12) Educational activities and demonstration projects for water or energy efficiency. (see 4.5-6, page 12) Projects that achieve the goals/objectives of utility asset management plans. 	<p>Attachment 2 to FY 2010 SRF Guidance – 2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve: Guidance for Determining Project Eligibility dated April 21, 2010, Part A</p>
<p>Non-eligible/Non-Green Types of Projects</p> <p><u>Environmentally Innovative:</u></p> <ul style="list-style-type: none"> Air scrubbers to prevent non-point source deposition. (see 4.3-1, page 12) Facultative lagoons, even if integral to an innovative treatment process. (see 4.3-2, page 12) Surface discharging decentralized wastewater systems where there are cost effective soil-based alternatives. (see 4.3-3, page 12) Higher sea walls to protect POTW from sea level rise. (see 4.3-4, page 12) Reflective roofs at POTW to combat heat island effect. (see 4.3-5, page 12) 		

Note: Green Project Reserve (GPR) projects must meet the definition of one of the four GPR categories. The individual GPR categories do not create new eligibility for the CWSRF. The projects that count toward GRP must otherwise be eligible for CWSRF funding.

Eligible Green Projects		Non-eligible/Non-Green Types of Projects	Reference Source for Further Information
Categorical – No “Business Case” Required	Requires “Business Case” Justification		
	<p>(see 4.5-7, page 13)</p> <ul style="list-style-type: none"> Sub-surface land application of effluent and other means for groundwater recharge such as spray irrigation and overland flow. (see 4.5-8, page 13) <p>Design criteria for Environmentally Innovative business cases can be found in Section 4.4, page 12.</p> <p>Example business cases are available at http://www.srfbusinesscases.net/</p>		

Note: Green Project Reserve (GPR) projects must meet the definition of one of the four GPR categories. The individual GPR categories do not create new eligibility for the CWSRF. The projects that count toward GRP must otherwise be eligible for CWSRF funding.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 0488-10

PERMIT NO.: 2010-SC-0488

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: July 30, 2010

PREPARED BY: Village of Freeburg

SUBJECT: FREEBURG WEST-Land Application of Sewage Sludge

RECEIVED

AUG 02 2010

PERMITTEE TO OPERATE

Village of Freeburg
14 Southgate Center
Freeburg, Illinois 62243

Permit is hereby granted to the above designated permittee(s) to operate water pollution control facilities described as follows:

Application of approximately 50 dry tons per year of aerobically digested sewage sludge to agricultural lands at rates not to exceed the agronomic nitrogen demand of the crop grown.

This operating permit expires on June 30, 2015.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

SPECIAL CONDITION 1: Sludge applied to land under this permit shall be incorporated within 24 hours or one working day, whichever is least.

SPECIAL CONDITION 2: For the duration of this permit, the permittee shall determine the quantity of sludge produced by the treatment facility in dry tons or gallons with a percent total solids analysis. The permittee shall maintain adequate records of the quantities of sludge produced and have said records available for Agency inspection. The permittee shall submit to the Agency a semi-annual summary report of the quantities of sludge generated and disposed (in units of dry tons) by different disposal methods including but not limited to application on farmland, application on reclamation land, landfilling, public distribution, dedicated land disposal, sod farms, storage lagoons or any other specified disposal method. Said reports shall be submitted to the Agency by January 31 and July 31 of each year reporting the preceding July through December and January through June sludge disposal operations respectively. The permittee shall submit the semi-annual sludge management report to the following address:

Page 1 of 4

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

SAK:JCH:j:\docs\permits\statecon\hutton\0488-10.docx

DIVISION OF WATER POLLUTION CONTROL

cc: EPA-Collinsville FOS
Records - Municipal
Binds



Alan Keller, P.E.
Manager, Permit Section

**READ ALL CONDITIONS CAREFULLY:
STANDARD CONDITIONS**

The Illinois Environmental Protection Act (Illinois Revised Statutes Chapter 111-12, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:
 - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
 - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
 - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
 - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
 - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
 - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
 - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
 - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
 - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
 - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
 - a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or
 - b. upon finding that any standard or special conditions have been violated; or
 - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 0488-10

PERMIT NO.: 2010-SC-0488

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: July 30, 2010

PREPARED BY: Village of Freeburg

SUBJECT: FREEBURG WEST-Land Application of Sewage Sludge

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Mail Code #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 3: For the duration of this permit, the permittee shall sample all different sludges being applied to land or publicly distributed on a semi-annual basis and chemically analyze said samples in accordance with the recommended procedures contained in the latest edition of Standard Methods for the Examination of Water and Wastewater for the following parameters:

Nutrients	Metals	Other
Total Kjeldahl Nitrogen	Cadmium	pH
Ammonia Nitrogen	Copper	% TS
Phosphorus	Lead	% VS
Potassium	Manganese	
	Nickel	
	Zinc	

In addition to the above parameters, anaerobically digested sludge shall also be tested for volatile acids. The results of these analyses shall be submitted to this Agency on a semi-annual basis. The permittee shall update the sludge application rate utilizing all sludge analyses obtained after the previous sludge application period.

SPECIAL CONDITION 4:

- A. Sludge shall be applied to sites within the following guidelines:
1. Sludge shall not be applied to sites during precipitation.
 2. Sludge shall not be applied to sites which are saturated or with ponded water.
 3. Sludge shall not be applied to ice or snow covered sites.
 4. Frozen land, which is not ice or snow covered and has a slope of 5% or less, may be used for land application of sludge provided a 200 foot grassy area exists between the sludge applied land and any surface water or potable water supply well.
- B. It is not recommended that sludge be applied to sites:
1. When precipitation is imminent,
 2. Which have received greater than 1/4 inch rainfall within the 24-hour period preceding the intended sludge application time.
- C. Sludge shall not be applied to land which lies within 200 feet from a community water supply well, potable water

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2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:
 - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
 - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
 - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
 - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
 - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
 - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
 - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
 - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
 - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
 - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.
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8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
 - a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or
 - b. upon finding that any standard or special conditions have been violated; or
 - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 0488-10

PERMIT NO.: 2010-SC-0488

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: July 30, 2010

PREPARED BY: Village of Freeburg

SUBJECT: FREEBURG WEST-Land Application of Sewage Sludge

supply well, surface waters or intermittent streams or within one-fourth of a mile of any potable water supply wells located in consolidated bedrock such as limestone or sinkhole areas unless a 50 foot depth of non-sandy or non-gravelly unconsolidated material exists. In no case shall sludge be applied within 400 feet of a community water supply well deriving water from an unconfined shallow fractured or highly permeable bedrock formation or from an unconsolidated and unconfined sand and gravel formation.

- D. Sludge shall not be applied to sites during the periods in which the seasonal high water table rises within 3 feet of the surface at the site.
- E. Sludge shall only be applied to land with a background soil pH of 6.5 or greater unless lime or other suitable materials are applied to the site prior to sludge application to raise the soil pH to a minimum of 6.5.
- F. Sludge amended land shall have a crop grown and harvested pursuant to normal agricultural practices.
- G. The delivery and application of sludge, and the choice of an application site, shall be made so as to minimize the emission of odors to nearby residents taking into account the direction of wind, humidity and day of the week.
- H. Sludge application shall not exceed the following maximum metal loading rates over the lifetime of a site (pounds per acre).
 - 1. Soils with 5-15 meq/100 grams Cation Exchange Capacity (CEC):

<u>Metal</u>	<u>Total Loading</u>	<u>Annual Loading</u>
Cadmium	10	2
Nickel	100	--
Copper	250	--
Zinc	500	--
Manganese	900	--
Lead	1000	--

- 2. Soils with 0-5 meq/100 grams CEC shall apply only half the metal loading rates set forth in item H(1) above.
- 3. Soils with 15 or greater meq/100 grams CEC may apply double the total metal loading rates set forth in item H(1) above, however a supplemental permit shall be required for that specific site.
- I. Sludge stored off the sewage treatment plant site shall be performed within the following guidelines:
 - 1. Off-site interim storage of liquid sludge shall not be allowed.
 - 2. Off-site interim storage of dried sludge in excess of 2 months shall not be allowed. In addition, measures shall be taken to contain runoff and leachate from any dried sludge that is stored.
- J. Users applying sludge to sites greater than 300 acres under common ownership or control or users of more than 1500 dry tons per year shall obtain a sludge user permit from this Agency unless the site is specifically identified in the permittee's application.

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 - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;
 - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;
 - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;
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 - c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 0488-10

PERMIT NO.: 2010-SC-0488

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: July 30, 2010

PREPARED BY: Village of Freeburg

SUBJECT: FREEBURG WEST-Land Application of Sewage Sludge

- K. User information sheets, in conformance with the Design Criteria for Sludge Application on Land (Title 35, Subtitle C, Chapter II, Part 391), shall be provided by the permittee to all sludge users and shall be signed by sludge users requesting more than 25 cubic yards. Records regarding sludge users shall be retained by the permittee for the duration of this permit and 2 years after the expiration date of this permit.

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