

**DELAWARE WATER POLLUTION CONTROL STATE REVOLVING FUND  
FY 2011 - NOTICE OF INTENT**

**Project Name:**

**Name and Address of Municipality or Qualified Agency:**

Name:   
 Address:   
  
 City:  State:  Zip Code:

**Contact Person's Name:**

Title:

**Phone Number:**

**Fax Number:**

**E-Mail Address:**

**General Information**

**Description of Project** (Please provide on an attached sheet):

**Water Pollution Control Needs/Environmental Benefits** (Please provide on an attached sheet):

**Permit Type and Number:**   
 (if applicable)

**Population Served by Project:**

**Volume of Wastewater Treated/Processed:** Peak flow at buildout  GPD

**Project Location Map** (Please provide on attached sheet).

**Watershed in which project is located**

**I. Water Quality Protection (select one)**

**For Septic System Elimination Projects:**

Number of existing equivalent dwelling units to be served:  EDU's

Number of existing recorded undeveloped lots in proposed service area:  Lots

Number of possible (currently unrecorded) lots in proposed service area:  Lots

**For Non-Septic System Elimination Projects:**

Provide an estimate of the reduction in total phosphorus and total nitrogen that will be realized by the implementation of this project.

TP  lbs./yr  
 TN  lbs./yr

**For Non-Point Source BMP's only:**

Provide the estimated efficiencies of the best management practices (BMP's) based on published efficiencies.  %

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**Bonus: For Wastewater Treatment Plants Only**

**Does this project include ENR greater than permit requirements?**

Please use drop down boxes

*If "yes" provide documentation on an attached sheet.*

**II. Targeted Waterbodies (select one):**

Does this project implement an existing TMDL requiring point source elimination or a Pollution Control Strategy?

Does this project address an existing TMDL allocation?

Does this project address an anticipated TMDL allocation?

Does this project address a watershed management plan?

Is this a Non Point Source project that addresses a watershed management plan?

**III. Clean Water Facility Priorities (select only type of project):**

Septic elimination project

New wastewater treatment plant or upgrade or expansion or Combined Sewer Overflow project

Other wastewater project (i.e. pump station, sewer rehabilitation)

BONUS: other wastewater facility project that corrects Inflow and Infiltration (I&I) problems

Surface water management project

BONUS: Surface water management project under MS4 permit

Other water quality project (i.e. Wetlands, Non-Point Source)

**IV. State Strategies - will be determined by staff based on project location**

**V. Green Project Reserve (select one only, if applicable):**

Does this project meet the definition of Green Infrastructure?

Does this project meet the definition of Water Efficiency?

Does this project meet the definition of Energy Efficiency?

Does this project meet the definition of Environmentally Innovative?

*If "Yes" is answered to any of the above, the project description must fully explain how it meets the EPA definitions found in the "2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve: Guidance for Determining Eligibility – April 21, 2010", to receive credit.*

**VI. Sustainability**

Does this project/system have an asset management plan meeting the definitions?

Does this project/system have a full cost pricing standard meeting the definitions?

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*If "Yes" is answered to any of the above, the project description must fully explain how it meets the definitions to receive credit.*

**VII. Land Conservation Sponsorship BONUS**

Is the applicant willing and eligible to sponsor a Forestland, Open Space, or Wetlands Conservation Easement or an Ecology or Watershed Restoration Project? Project must be identified and described in the project description to receive credit.

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**Financial Data and Readiness to Proceed**

**Projected Wastewater User Rates (if applicable):**

Wastewater utilities current annual user cost for one EDU using 240 gallons of water per day.

per year  
District user rates

Wastewater utilities projected annual user cost for one EDU using 240 gallons of water per day. *(please note any financing assumption):*

per year

Assumes no grant, 40 yr loan @2.75%. This is above 1.5% MHI limit. MHI=\$46,000

Grant required.  
*Please use drop down boxes*

**Estimated Date (Month/Year) on Which Commitment to Proceed with Project Will Be made:**

Month	Year
<input type="text" value="July"/>	<input type="text" value="2011"/>

**Estimated Dates of Completion of Activities:**

	Month	Year	
Planning Completion:	January	2012	(dependent on securing financing)
Design Completion:	September	2012	(includes permitting phase)
Construction Completion:	September	2013	

**Estimated Loan/Grant Request:**

	Total Costs	Loan
Planning:	<input type="text" value="\$25,000"/>	<input type="text" value="\$25,000"/>
Design:	<input type="text" value="115,000"/>	<input type="text" value="115,000"/>
Construction:	<input type="text" value="1,000,000"/>	<input type="text" value="1,000,000"/>
Grand Total:	<input type="text" value="\$1,140,000"/>	<input type="text" value="\$1,140,000"/>

**Estimated Fund Disbursement Schedule:**

FY 2012	<input type="text" value="\$114,000"/>	FY 2015	<input type="text"/>
FY 2013	<input type="text" value="\$741,000"/>	FY 2016	<input type="text"/>
FY 2014	<input type="text" value="\$285,000"/>	FY 2017	<input type="text"/>
		Total	<input type="text" value="\$1,140,000"/>

Construction costs includes county-wide impact fee at FY2011 rate of \$1,679/EDU for existing units only. This will require Levy Court approval to lock the rate.

## **DEFINITIONS**

### **GREEN INFRASTRUCTURE**

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintain and restore natural hydrology by infiltrating, evapotranspiring and harvesting 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, permeable pavements and cisterns.

### **WATER EFFICIENCY**

EPA's WaterSense program defines water efficiency as the use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future.

### **ENERGY EFFICIENCY**

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water quality projects, use energy in a more efficient way, and/or produce/utilize renewable energy.

### **ENVIRONMENTALLY INNOVATIVE**

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way.

### **ASSET MANAGEMENT**

The system has mapped its wastewater collection and treatment components and analyzed conditions, including risks of failure, expected dates of renewals and ultimate replacements, and sources and amounts of revenues needed to finance operations, maintenance and capital needs.

### **FULL COST PRICING**

The system has developed appropriate pricing/rate/affordability standards to build, operate, and maintain systems AND project/system has specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

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**Project Name:** Jamestown Sewage Disposal District No. 8

**Name Municipality or Qualified Agency:** Jamestown Council, Jamestown, DE

**Description of Project/Water Pollution Control Needs/Environmental Benefits:**

The project will provide Jamestown, central sanitary sewer (SS) service to Jamestown east and eliminate the existing, individual on-site septic systems. The proposed system would entail a gravity collection system, one regional pump station and associated localized forcemain (FM) connecting to the towns' existing 24" FM.

The environmental and public health benefits are the elimination of existing on-site septic systems and the prevention of future ones in the proposed service area.

**Targeted Waterbodies:**

The project is located within the Little Creek Watershed for which TMDLs were established in December 2006 for nitrogen, phosphorus, and enterococcus bacteria. The project eliminates on-site septic systems which implements the Pollution Control Strategies. The project reduces nutrient components for the existing TMDL allocations.

As the watershed management plan has not been developed for the watershed as of January 2011, this Non Point Source project does not address said plan. However, a watershed management plan may be developed in the future. As a septic elimination project, this project could potentially address the future watershed management plan.

**Include**

# PROJECT MAP