

STATE OF DELAWARE
SINGLE POINT OF CONTACT – SPOC
INTERGOVERNMENTAL REVIEW OF FEDERAL PROGRAMS
Office of Management and Budget
 Haslet Building, 3rd Floor, Dover, Delaware 19901
 (302) 739-4206

1. STATE APPLICATION IDENTIFIER:

SPOC use ONLY

Month

Reviewer

CC's

2. Applicant Project Title: Water Quality Management Planning Grant with Funds Appropriated by the American Recovery and Reinvestment Act of 2009

3. Applicant Department: Department of Natural Resources & Environmental Control

4. Applicant Division/APU: 08-07
 Division of Water Resources

Watershed Assessment Section

5. Applicant Address: 820 Silver Lake Blvd, Suite 220, Dover, DE 19904-2464

6. Contact Person: John Schneider (Program)
 Susan Michalek (Financial)

7. Contact Person's Phone Number
 (302) 739-9939
 (302) 739-9940

8. Signature of Secretary or Agency Head (for state agencies) or Chief Administrator (for all other applicants)

9. Federal Grantor Department: US EPA

10. Federal Sub-Agency: EPA Region III

11. Federal Contact Person: Marion White

12. Phone Number: (215) 814-5714

13. Address: US EPA Region III, 1650 Arch Street, Philadelphia, PA 19103-2029

14. Federal Program Title:
 Water Quality Management Planning with Funds Appropriated by the "American Recovery Act of 2009"

15. FEDERAL CATALOG NO:
 (CFDA)
 66 454

16. Project Description:

St. Jones River Watershed Planning, Creating a Training Blueprint for Green Jobs in Delaware and Inland Bays Pollution Control Strategy Implementation Planning

17. Will funds be utilized for any technology initiatives? Yes No If so, Business Case Number and brief project summary:

18. Measurable Objectives:

a. What were last year's objectives?
 NA

b. Were these objectives met? (If not, please explain why)

NA

c. What are this year's objectives?
 Provide funding for three water quality Planning Projects: St. Jones River Watershed Planning, Creating a Training Blueprint for Green Jobs in Delaware and Inland Bays Pollution Control Strategy Implementation Planning

(If more space is needed, please attach a separate sheet of paper)

19. Grant Period:	20. How many years has this project been funded:	21. If the project was funded last year, how much federal money was awarded?
From: <i>February 17, 2009</i>	<i>0</i>	<i>\$0</i>
To: <i>August 17, 2011</i>		

22. Source of funding for this application:	Dollars
a. Federal grant	<i>194,300</i>
b. Other federal funds (Specify source of funding)	
c. Required state contribution (Specify source of funding)	
d. Discretionary state contribution (Specify source of funding)	
e. Required local contribution (Specify source of funding)	
f. Other non- federal funds (Specify source of funding)	
TOTAL	

23. Budget by cost category and source:	Federal Funds	State Funds	Other Funds	Total Funds
Salaries & Fringe Benefits				
Personal or Contractual Services	<i>187,717</i>			<i>187,717</i>
Travel	<i>1,000</i>			<i>1,000</i>
Supplies & Materials	<i>5,000</i>			<i>5,000</i>
Capital Expenditures				
Audit Fees	<i>583</i>			<i>583</i>
Indirect Costs				
Other				
TOTAL	<i>194,300</i>			<i>194,300</i>

24. How many positions are required for the project? (Exclude casual/seasonal employees)			
Breakdown of position(s)	Authorized in State Budget	New Positions Required	Total

Paid for out of federal funds			
Paid for out of General Funds			
Paid for out of state special funds			
Paid for out of bond/local/other funds			
TOTAL	<i>1</i>		<i>1</i>

25. PLEASE NOTE: On a separate piece of paper, please give position number, grade, yearly salary and percent of funding (federal, state, local, other) and the full-time equivalent for all positions required. Please identify the new positions by placing an asterisk before the position title. If this grant funds positions within other departments, divisions and/or offices, please list them. If a position has been reallocated to or from another grant please indicate the grant source.

Application for Federal Assistance SF-424		Version 02
*1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	*2. Type of Application * If Revision, select appropriate letter(s) <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation *Other (Specify) _____ <input type="checkbox"/> Revision	
3. Date Received: _____ 4. Applicant Identifier: _____		
5a. Federal Entity Identifier: _____	*5b. Federal Award Identifier: _____	
State Use Only:		
6. Date Received by State: _____	7. State Application Identifier: _____	
8. APPLICANT INFORMATION:		
*a. Legal Name: Delaware Department of Natural Resources & Environmental Control		
*b. Employer/Taxpayer Identification Number (EIN/TIN): 51-6000279	*c. Organizational DUNS: 932449937	
d. Address:		
*Street 1: <u>89 Kings Highway</u> _____ Street 2: _____ *City: <u>Dover</u> _____ County: <u>Kent</u> _____ *State: <u>DE</u> _____ Province: _____ *Country: <u>US</u> _____ *Zip / Postal Code <u>19901</u> _____		
e. Organizational Unit:		
Department Name: DNREC/Division of Water Resources	Division Name: Watershed Assessment Section	
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: <u>Mr.</u> _____ *First Name: <u>John</u> _____ Middle Name: _____ *Last Name: <u>Schneider</u> _____ Suffix: _____		
Title: Program Administrator		
Organizational Affiliation: _____		
*Telephone Number: (302) 739-9939 Fax Number: (302) 739-6140		
*Email: john.schneider@state.de.us		

Application for Federal Assistance SF-424	Version 02
*9. Type of Applicant 1: Select Applicant Type: A.State Government Type of Applicant 2: Select Applicant Type: Type of Applicant 3: Select Applicant Type: *Other (Specify)	
*10 Name of Federal Agency: U.S. Environmental Protection Agency, Region III	
11. Catalog of Federal Domestic Assistance Number: 66.454 CFDA Title: ARRA WQMP Grant FY2009 - Delaware	
*12 Funding Opportunity Number: *Title: 	
13. Competition Identification Number: Title: 	
14. Areas Affected by Project (Cities, Counties, States, etc.): Statewide	
*15. Descriptive Title of Applicant's Project: Water quality planning projects funded by the American Recovery and Reinvestment Act of 2009	

Application for Federal Assistance SF-424		Version 02
16. Congressional Districts Of:		
*a. Applicant: Delaware-at-large		*b. Program/Project: Delaware-at-large
17. Proposed Project:		
*a. Start Date: 02/17/09		*b. End Date: 08/17/11
18. Estimated Funding (\$):		
*a. Federal	194,300	
*b. Applicant		
*c. State		
*d. Local		
*e. Other		
*f. Program Income		
*g. TOTAL	194,300	
*19. Is Application Subject to Review By State Under Executive Order 12372 Process?		
<input checked="" type="checkbox"/> a. This application was made available to the State under the Executive Order 12372 Process for review on _____ <input type="checkbox"/> b. Program is subject to E.O. 12372 but has not been selected by the State for review. <input type="checkbox"/> c. Program is not covered by E. O. 12372		
*20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U. S. Code, Title 218, Section 1001) <input checked="" type="checkbox"/> ** I AGREE ** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions		
Authorized Representative:		
Prefix: Ms.		*First Name: Jean
Middle Name: C.		
*Last Name: Haszard		
Suffix:		
*Title: Sr. Fiscal Administrative Officer		
*Telephone Number: (302) 739-9903		Fax Number: (302) 739-7014
* Email: jean.haszard@state.de.us		
*Signature of Authorized Representative:		*Date Signed:

Application for Federal Assistance SF-424

Version 02

***Applicant Federal Debt Delinquency Explanation**

The following should contain an explanation if the Applicant organization is delinquent of any Federal Debt.

INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

This is a standard form (including the continuation sheet) required for use as a cover sheet for submission of preapplications and applications and related information under discretionary programs. Some of the items are required and some are optional at the discretion of the applicant or the Federal agency (agency). Required items are identified with an asterisk on the form and are specified in the instructions below. In addition to the instructions provided below, applicants must consult agency instructions to determine specific requirements.

Item	Entry:	Item	Entry:
1.	Type of Submission: (Required): Select one type of submission in accordance with agency instructions. <ul style="list-style-type: none"> • Preapplication • Application • Changed/Corrected Application – If requested by the agency, check if this submission is to change or correct a previously submitted application. Unless requested by the agency, applicants may not use this to submit changes after the closing date. 	10.	Name Of Federal Agency: (Required) Enter the name of the Federal agency from which assistance is being requested with this application.
		11.	Catalog Of Federal Domestic Assistance Number/Title: Enter the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested, as found in the program announcement, if applicable.
2.	Type of Application: (Required) Select one type of application in accordance with agency instructions. <ul style="list-style-type: none"> • New – An application that is being submitted to an agency for the first time. • Continuation – An extension for an additional funding/budget period for a project with a projected completion date. This can include renewals. • Revision – Any change in the Federal Government's financial obligation or contingent liability from an existing obligation. If a revision, enter the appropriate letter(s). More than one may be selected. If "Other" is selected, please specify in text box provided. <ul style="list-style-type: none"> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration E. Other (specify) 	12.	Funding Opportunity Number/Title: (Required) Enter the Funding Opportunity Number and title of the opportunity under which assistance is requested, as found in the program announcement.
		13.	Competition Identification Number/Title: Enter the Competition Identification Number and title of the competition under which assistance is requested, if applicable.
		14.	Areas Affected By Project: List the areas or entities using the categories (e.g., cities, counties, states, etc.) specified in agency instructions. Use the continuation sheet to enter additional areas, if needed.
3.	Date Received: Leave this field blank. This date will be assigned by the Federal agency.	15.	Descriptive Title of Applicant's Project: (Required) Enter a brief descriptive title of the project. If appropriate, attach a map showing project location (e.g., construction or real property projects). For preapplications, attach a summary description of the project.
4.	Applicant Identifier: Enter the entity identifier assigned by the Federal agency, if any, or applicant's control number, if applicable.		
5a.	Federal Entity Identifier: Enter the number assigned to your organization by the Federal Agency, if any.	18.	Congressional Districts Of: (Required) 18a. Enter the applicant's Congressional District, and 18b. Enter all District(s) affected by the program or project. Enter in the format: 2 characters State Abbreviation – 3 characters District Number, e.g., CA-005 for California 5 th district, CA-012 for California 12 th district, NC-103 for North Carolina's 103 rd district. <ul style="list-style-type: none"> • If all congressional districts in a state are affected, enter "all" for the district number, e.g., MD-all for all congressional districts in Maryland. • If nationwide, i.e. all districts within all states are affected, enter US-all. • If the program/project is outside the US, enter 00-000.
5b.	Federal Award Identifier: For new applications leave blank. For a continuation or revision to an existing award, enter the previously assigned Federal award identifier number. If a changed/corrected application, enter the Federal identifier in accordance with agency instructions.		
6.	Date Received by State: Leave this field blank. This date will be assigned by the State, if applicable.		
7.	State Application Identifier: Leave this field blank. This identifier will be assigned by the State, if applicable.		
8.	Applicant Information: Enter the following in accordance with agency instructions: <ul style="list-style-type: none"> a. Legal Name: (Required): Enter the legal name of applicant that will undertake the assistance activity. This is the name that the organization has registered with the Central Contractor Registry. Information on registering with CCR may be obtained by visiting the Grants.gov website. b. Employer/Taxpayer Number (EIN/TIN): (Required): Enter the Employer or Taxpayer Identification Number (EIN or TIN) as assigned by the Internal Revenue Service. If your organization is not in the US, enter 44-4444444. c. Organizational DUNS: (Required) Enter the organization's DUNS or DUNS+4 number received from Dun and Bradstreet. Information on obtaining a DUNS number may be obtained by visiting the Grants.gov website. d. Address: Enter the complete address as follows: Street address (Line 1 required), City (Required), County, State (Required, if country is US), Province, Country (Required), Zip/Postal Code (Required, if country is US). e. Organizational Unit: Enter the name of the primary organizational unit (and department or division, if applicable) that will undertake the 	17.	Proposed Project Start and End Dates: (Required) Enter the proposed start date and end date of the project.
		18.	Estimated Funding: (Required) Enter the amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines, as applicable. If the action will result in a dollar change to an existing award, indicate only the amount of the change. For decreases, enclose the amounts in parentheses.
		19.	Is Application Subject to Review by State Under Executive Order 12372 Process? Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the

	<p>assistance activity, if applicable.</p> <p>f. Name and contact information of person to be contacted on matters involving this application: Enter the name (First and last name required), organizational affiliation (if affiliated with an organization other than the applicant organization), telephone number (Required), fax number, and email address (Required) of the person to contact on matters related to this application.</p>		<p>State intergovernmental review process. Select the appropriate box. If "a." is selected, enter the date the application was submitted to the State</p>		
		20.	<p>Is the Applicant Delinquent on any Federal Debt? (Required) Select the appropriate box. This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes.</p> <p>If yes, include an explanation on the continuation sheet.</p>		
9.	<p>Type of Applicant: (Required) Select up to three applicant type(s) in accordance with agency instructions.</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>A. State Government</p> <p>B. County Government</p> <p>C. City or Township Government</p> <p>D. Special District Government</p> <p>E. Regional Organization</p> <p>F. U.S. Territory or Possession</p> <p>G. Independent School District</p> <p>H. Public/State Controlled Institution of Higher Education</p> <p>I. Indian/Native American Tribal Government (Federally Recognized)</p> <p>J. Indian/Native American Tribal Government (Other than Federally Recognized)</p> <p>K. Indian/Native American Tribally Designated Organization</p> <p>L. Public/Indian Housing Authority</p> </td> <td style="width: 50%; vertical-align: top;"> <p>M. Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)</p> <p>N. Nonprofit without 501C3 IRS Status (Other than Institution of Higher Education)</p> <p>O. Private Institution of Higher Education</p> <p>P. Individual</p> <p>Q. For-Profit Organization (Other than Small Business)</p> <p>R. Small Business</p> <p>S. Hispanic-serving Institution</p> <p>T. Historically Black Colleges and Universities (HBCUs)</p> <p>U. Tribally Controlled Colleges and Universities (TCCUs)</p> <p>V. Alaska Native and Native Hawaiian Serving Institutions</p> <p>W. Non-domestic (non-US) Entity</p> <p>X. Other (specify)</p> </td> </tr> </table>	<p>A. State Government</p> <p>B. County Government</p> <p>C. City or Township Government</p> <p>D. Special District Government</p> <p>E. Regional Organization</p> <p>F. U.S. Territory or Possession</p> <p>G. Independent School District</p> <p>H. Public/State Controlled Institution of Higher Education</p> <p>I. Indian/Native American Tribal Government (Federally Recognized)</p> <p>J. Indian/Native American Tribal Government (Other than Federally Recognized)</p> <p>K. Indian/Native American Tribally Designated Organization</p> <p>L. Public/Indian Housing Authority</p>	<p>M. Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)</p> <p>N. Nonprofit without 501C3 IRS Status (Other than Institution of Higher Education)</p> <p>O. Private Institution of Higher Education</p> <p>P. Individual</p> <p>Q. For-Profit Organization (Other than Small Business)</p> <p>R. Small Business</p> <p>S. Hispanic-serving Institution</p> <p>T. Historically Black Colleges and Universities (HBCUs)</p> <p>U. Tribally Controlled Colleges and Universities (TCCUs)</p> <p>V. Alaska Native and Native Hawaiian Serving Institutions</p> <p>W. Non-domestic (non-US) Entity</p> <p>X. Other (specify)</p>	21.	<p>Authorized Representative: (Required) To be signed and dated by the authorized representative of the applicant organization. Enter the name (First and last name required) title (Required), telephone number (Required), fax number, and email address (Required) of the person authorized to sign for the applicant.</p> <p>A copy of the governing body's authorization for you to sign this application as the official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.)</p>
<p>A. State Government</p> <p>B. County Government</p> <p>C. City or Township Government</p> <p>D. Special District Government</p> <p>E. Regional Organization</p> <p>F. U.S. Territory or Possession</p> <p>G. Independent School District</p> <p>H. Public/State Controlled Institution of Higher Education</p> <p>I. Indian/Native American Tribal Government (Federally Recognized)</p> <p>J. Indian/Native American Tribal Government (Other than Federally Recognized)</p> <p>K. Indian/Native American Tribally Designated Organization</p> <p>L. Public/Indian Housing Authority</p>	<p>M. Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)</p> <p>N. Nonprofit without 501C3 IRS Status (Other than Institution of Higher Education)</p> <p>O. Private Institution of Higher Education</p> <p>P. Individual</p> <p>Q. For-Profit Organization (Other than Small Business)</p> <p>R. Small Business</p> <p>S. Hispanic-serving Institution</p> <p>T. Historically Black Colleges and Universities (HBCUs)</p> <p>U. Tribally Controlled Colleges and Universities (TCCUs)</p> <p>V. Alaska Native and Native Hawaiian Serving Institutions</p> <p>W. Non-domestic (non-US) Entity</p> <p>X. Other (specify)</p>				

**AMERICAN RECOVERY AND REINVESTMENT ACT
604(b) WORKPLAN**

STATE OF DELAWARE

**DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL**

Goal 2: Safe and Clean Water – Ensure drinking water is safe. Restore and maintain oceans, watersheds, and their aquatic ecosystems to protect human health, support economic and recreational activities, and provide healthy habitat for fish, plants, and wildlife.

Objective 2: Protect Water Quality – Protect the quality of rivers, lakes and streams on a watershed basis and protect coastal and ocean waters.

Subobjective 2.2.1: Protect and Improve Water Quality on a Watershed Basis - Number of the Nation's watersheds where water quality standards are met in at least 80% of the assessed water segments; and all assessed water segments maintain their quality and at least 20 percent of assessed water segments show improvement above conditions as of 2002 (2,262 watersheds nationwide)

Work Plan Component/Program: Water Quality/Management Planning Workyears:	EPA Contact (S): Elizabeth Gaige	State Contact (S): John Schneider	PRG: 202B80ECB
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Program Description:
TMDL and Pollution Control Strategy Implementation Plans

Environmental Outcomes	Measures	Outputs for FY 2009, 2010 and 2011 (Commitments)	Status/Comment
<p>Development of TMDLs that are part of a larger, watershed planning process that address all impaired waters within a watershed which will improve water quality. The implementation of pollutant load reductions established by TMDLs will occur via amendments to individual regulations, the adoption of Pollution Control Strategies for individual watersheds, and the development of watershed plans and PCS implementation plans.</p>	<p>SP-10: Number of waterbodies identified in 2002 as not attaining water quality standards are now fully attained (cumulative) (State Grant Template Measures)</p> <p>SP-11: Remove the specific causes of waterbody impairment identified by states in 2002 (Cumulative)</p> <p>SP-12 – Improve water quality conditions in impaired watersheds nationwide using the watershed approach (Cumulative)</p>	<p>WORKING PROJECT TITLE: CREATING A TRAINING BLUEPRINT FOR GREEN JOBS IN DELAWARE</p> <p>Project Lead: Jennifer Campagnini, Principal Planner, Office of the Secretary, DNREC</p> <p>Jennifer.Campagnini@state.de.us 302.739.9062</p> <p>Project Description A voluntary green building initiative, called "Super Green" or "Delaware's Environmentally Sustainable Development Initiative" is getting underway in Delaware. The purpose of the project is to encourage green and low impact development practices that protect critical environmental resources and promote energy efficiency. The Super Green Initiative incorporates local watershed based water quality plans and pollution reduction strategies (TMDLs and Pollution Control Strategies), energy plans, wildlife action plans, and recreational plans into a comprehensive checklist of building criteria which promote connectivity, resource protection and improvements, and energy efficiency. Given the impact of air sources of nitrogen on degraded waterbodies in Delaware, efforts to achieve energy efficiency, reductions in emissions from power plants, reductions in miles driven and recreational opportunities within walking distance of residential developments will move the State closer to its water quality goals. Similar to LEED and the National Association of Homebuilders Green Standards, the Super Green system is points based and flexible, and has a verification process built in.</p> <p>The Super Green Initiative addresses water quality and TMDL issues by including options and requirements for sustainable landscaping practices, low impact development including the use of rain gardens, rain barrels, cisterns, pervious pavement, green roofs, and other green technologies. Conservation, restoration and/or enhancement of wetlands and forested areas, including riparian buffers, are highly encouraged and rewarded as well. Finally, implementation of Pollution Control Strategy recommendations, which address and</p>	

Implement TMDL requirements, have also been included within the criteria for Super Green Certification.

A major barrier to building green projects identified during the development of the Super Green Initiative is the lack of trained and qualified laborers available to properly install green infrastructure and energy efficient practices. Builders and contractors may lack knowledge of conservation practices, available green technologies, and skills to install green technologies. Permit issuers may lack an understanding of green building practices, benefits of conservation and environmental needs to be able to issue and approve permits for projects with such features. Local government and decision makers such as planning and zoning commissions, also lack knowledge of the benefits and need for environmentally sustainable and energy efficient practices. Lack resources to review and approve projects with such practices, and lack knowledge to be able to recommend changes to existing codes or be able to develop new codes and ordinances related to green infrastructure, water quality and energy. As part of the Super Green Initiative, we have also identified a need for a new skill set for the private sector that will prepare environmental reviewer to verify green building practices.

Proposal

Develop a Training Plan that identifies green development related job sectors and training resources; identifies training competencies needed to fill those jobs; and coordinates a training curriculum for future implementation of training and certification programs for green development related job sectors. Education programs will be developed for short training workshops for elected officials, municipal government officials, and others.

Environmental Outcomes

- Development of workforce focused on the protection and restoration of the environment including maintaining water quality to meet TMDL objectives.
- As a result of the Super Green Initiative, it is expected that at least 5 new development sites (residential and/or commercial) may be certified as part of this program, thus requiring the implementation of water quality improvement practices far exceeding existing State and local regulatory requirements.

Deliverables

- Green Development Jobs Training Plan that identifies development related green jobs, existing training resources, programs and opportunities available throughout the State of Delaware; and identifies training competencies needed to fill those jobs.
- Training curriculum and green development certification program developed by Delaware Technical and Community College for newly identified green development jobs, specifically green building verifiers and inspectors. Curriculum will contain components specifically related to water quality concerns and TMDLs. Training program will be self-funded through tuition. Applicants are also pursuing other sources of funds to provide financial assistance to students wishing to complete the certification program.
 - Upon implementation, the goal and intent of this program is to be able to train and certify up to 30 individuals per session. It is expected that each

session will take between 12 -- 14 weeks to complete and three -- four sessions may be conducted each year for a total of up to 120 trained individuals annually. Based on market research, the demand for environmentally sustainable developments continues to grow and firms offering green development reviewer and verifier services will be more competitive within that market. We anticipate the Super Green Initiative on its own may create a need a minimum of 5 certified individuals on an annual basis, as part of the certification requires a certified environmental reviewer to verify compliance with Super Green certification requirements. However, this training program will provide individuals with other construction related training and certifications, such as Certified Construction Reviewers (currently approximately 5,000 certified individuals in the state), Energy Raters, National Association of Homebuilders Green Verifiers (currently only 2 in the State), and other green construction verifier programs with an additional level of training to be more competitive and marketable in the green development field.

- Development of green development related educational materials and a training program for local decision makers with components specifically related to water quality concerns and TMDLs. Training program will be implemented with other funds.
 - Upon implementation of a green development training program, local decision makers will have a better understanding of green development practices, benefits, and barriers as well as environmental and conservation needs with in Delaware. The goal is to better prepare decision makers to address issues such as TMDLs, source water protection, wetland protection, riparian buffer protection, and other environmental factors and be better prepared to develop and implement effective environmental codes and ordinances at the local level. Delaware has 57 municipal governments across the State, each with its own structure of managers, planners, commissioners and decision makers that will be the target of this education program.

Prospective Partners

- Delaware Department of Natural Resources and Environmental Control, multiple programs
- Delaware Economic Development Office
- Delaware Department of Labor
- Delaware Technical and Community College
- Community Organizations
- Municipal Government
- Labor and Industry Groups

Key Milestones

June 2009 - Organize a "Green Jobs" task group to being identifying current resources and initiatives to ensure a coordinated effort.

June 2009 - Contract with Delaware Technical and Community College to develop Green Development training curriculum and certification program and execute a purchase order to obligate the 604(b) funds.

June 2009 through December 2009 - Delaware Technical and Community College will develop training curriculum and certification program for certified environmental reviewers.

June 2009 through December 2009 - Work with Green Jobs task force to develop Green Development Training Plan.

December 2009 through May 2010 - Develop training program and materials for short training workshops for local decision makers with specific components related to water quality issues and TMDLs.

Project Cost
\$87,997

WORKING PROJECT TITLE: ST. JONES RIVER WATERSHED PLANNING

Project Lead: Lyle Jones, Environmental Program Manager, Division of Water Resources, DNREC

Lyle.Jones@state.de.us
302.739.9939

Project Description

DNREC has promulgated a TMDL for the St. Jones River Watershed that calls for nonpoint source load reductions of 40% for nitrogen, 40% for phosphorus and 90% for bacteria. All point sources were eliminated prior to the TMDL regulation.

DNREC assembled a Tributary Action Team made up of municipal officials, business owners, local residents and other stakeholders. The Team developed a draft Pollution Control Strategy which outlines how these required load reductions might be achieved. In cooperation with the Team, DNREC hired a contractor to develop an inventory of potential pollution control opportunities.

The logical next step is to develop an implementation plan that will identify which of the possible projects are feasible based upon published water quality benefits, the cost-benefit of the projects, landowner willingness, and other factors that will enhance the likelihood of success. The implementation plan will identify sources of funds and leveraging opportunities for design and construction of water quality improvement projects. Additionally, the City of Dover desires to plan and create a stormwater utility for that portion of the Watershed within the City's municipal boundaries that will meet the requirements of Municipal Separate Storm Sewer System (MS4) regulations.

	<p>Proposal Using EPA Section 319 Nonpoint Source Program funding, the City of Dover and DNREC have hired a contractual employee to serve as the St. Jones River Watershed Coordinator. The Coordinator will accomplish the tasks described above. However, given that 604(b) funds can only be used for planning, and most of the Coordinator's time will be spent on planning activities, it was decided that the Coordinator's contract should be funded primarily by 604(b) funds and supplemented by 319 funds and City match. That way, when the Coordinator is involved in implementation activities, that time will be covered by 319 funds or City match. Hence, available funds will be leveraged to ensure success.</p> <p>Environmental Outcomes DNREC maintains a database for each TMDL watershed that tracks pollution reduction implementation activities and estimates the loads of individual pollutants that have been reduced. Additionally, DNREC maintains an ambient water quality monitoring program that tracks TMDL implementation progress. Therefore, estimated load reductions and any water quality improvements will be reported.</p> <p>Deliverables DNREC will report progress as part of quarterly reports.</p> <p>Prospective Partners</p> <ul style="list-style-type: none"> ➤ Delaware Department of Natural Resources and Environmental Control, multiple programs ➤ City of Dover ➤ Silver Lake Commission ➤ St. Jones Greenway Commission ➤ Kent County ➤ Other Municipalities <p>Key Milestones June 2009 - Enter into a Memorandum of Understanding (MOU) with the City of Dover to provide for a St. Jones Watershed Coordinator through FY 2011. July 2009 – Execute a purchase order to obligate 604(b) funds. October 2009 – Complete a draft Implementation Plan. January 2010 – Complete a final Implementation Plan</p> <p>Project Cost \$77,720</p> <p>Note: This funding to the City of Dover will satisfy the 40% pass-through requirement of Section 604(b) of the Clean Water Act</p>	
<p>WORKING PROJECT TITLE: INLAND BAYS POLLUTION CONTROL STRATEGY IMPLEMENTATION PLANNING</p>		

Project Lead: Jennifer Volk, Environmental Scientist, Division of Water Resources, DNREC

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Project Description

DNREC promulgated TMDLs for the Inland Bays that call for the elimination of all point sources of nutrients and nonpoint source load reductions of 40-85% for nitrogen, 40-65% for phosphorus and up to 40% for bacteria. On October 15, 2008 DNREC issued Regulations Governing the Pollution Control Strategy for the Indian River, Indian River Bay, Rehoboth Bay and Little Assawoman Bay Watersheds. The Strategy includes a comprehensive approach to reducing nitrogen and phosphorus pollutant loads. With respect to stormwater, the Regulations are fairly complex and offer compliance options that intertwine riparian buffer requirements, forest preservation or creation, and a demonstration that best management practices proposed for the site will achieve the required reductions or irreducible concentrations of nitrogen and phosphorus or three best management practices are proposed in series. The Sussex Conservation District (SCD) is responsible for the permitting and inspection of stormwater management systems in the Watershed and has requested planning assistance that will result in effective regulation compliance.

The SCD, in cooperation with DNREC, will conduct the following planning activities:

- Receive training on the new regulations.
- Assist DNREC with training of consultants.
- Review Best Management Practices (BMPs) necessary to achieve nutrient reductions called for by the TMDLs.
- Review location and width of buffers from primary and secondary water features.
- Determine developer/contractor compliance with the stormwater elements of the Regulation and provide compliance assistance.
- Determine which parcels are subject to the Regulation based upon criteria outlined in Section 1. Authority and Scope.

Proposal

Funding is needed for planning and training related to the stormwater elements of the Regulation.

Environmental Outcomes

DNREC maintains a database that tracks pre- and post-development nutrient loads of all major development projects in the Watershed. Additionally, DNREC conducts ambient water quality monitoring that tracks TMDL implementation progress. Therefore, estimated load reductions and any water quality improvements will be reported.

Deliverables

DNREC will report progress as part of quarterly reports.

Prospective Partners

		<ul style="list-style-type: none"> > Delaware Department of Natural Resources and Environmental Control, multiple programs > Sussex Conservation District > Sussex County > Municipalities <p>Key Milestones</p> <p>June 2009 - Enter into a Memorandum of Understanding (MOU) with the Sussex Conservation District.</p> <p>July 2009 - Execute a purchase order to obligate 604(b) funds.</p> <p>Project Cost \$28,000</p> <p>Budget Summary \$ 87,997 – Green Jobs Training Plan 77,720 – St. Jones Watershed Coordinator (40% Pass-Through) 28,000 – Pollution Control Strategy Planning 583 – Audit Fee \$194,300 – Total Grant Request</p> <p>Administrative Outputs (apply to all projects)</p> <ul style="list-style-type: none"> • Obligate all funds by August 17, 2009. • Complete all work by August 17, 2011. • Submit progress report within 10 days after May 17, 2009 and within 10 days of every quarter thereafter. 	
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Budget Information – Non Construction Programs

OMB Approval No.0348-0044

Section A – Budget Summary		Catalog of Federal Domestic Assistance Number		Estimated Unobligated Funds		New or Revised Budget		Total
Grant Program Function or Activity (a)	(b)	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	(g)	(9)	
1.				194,300		194,300		
2.								
3.								
4.								
5.	Totals							
Section B – Budget Categories								Total
6. Object Class Categories				(1)	(2)	(3)	(4)	(5)
a. Personnel								
b. Fringe Benefits								
c. Travel				1,000				1,000
d. Equipment								
e. Supplies				5,000				5,000
f. Contractual				109,997				109,997
g. Construction								
h. Other – Pass thru 77,720 + audit fee 583				78,303				78,303
i. Total Direct Charges (sum of 6a-6h)								
j. Indirect Charges								
k. Totals (sum of 6i and 6j)				194,300				194,300
7. Program Income				0				0

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Section C - Non-Federal Resources					
	(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) Totals
8.					
9.					
10.					
11.					
12. Totals (sum of lines 8 -11)					
Section D - Forecasted Cash Needs					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	194,300	0	65,000	65,000	64,300
14. Non-Federal					
15. Total (sum of lines 13 and 14)	194,300	0	65,000	65,000	64,300
Section E - Budget Estimates of Federal Funds Needed for Balance of the Project					
	(a) Grant Program	Future Funding Periods (Years)			
		(b) First	(d) Second	(d) Third	(e) Fourth
16.					
17.					
18.					
19.					
20. Total (sum of lines 16-19)					
Section F - Other Budget Information					
21. Direct Charges			22. Indirect Charges	Fixed	
23. Remarks					

