

State of New Jersey
New Jersey Department of Environmental
Protection
Division of Watershed Management
Bureau of Watershed Planning

REQUEST FOR PROPOSALS
SFY 2007 Section 319(h)
Grants for Nonpoint Source Pollution Control



February 6, 2006

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1. REQUEST FOR PROPOSALS (RFP) IN BRIEF

PROSPECTIVE APPLICANTS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THIS ENTIRE REQUEST FOR PROPOSALS/GUIDANCE DOCUMENT PRIOR TO SUBMISSION OF A GRANT APPLICATION.

1.1 PRELIMINARY DEADLINES

A. INTENT TO APPLY MUST BE SUBMITTED BY:

FRIDAY, MARCH 24, 2006, 5:00 P.M.

B. PRE-APPLICATION MEETING MUST BE HELD BY:

FRIDAY, MAY 12, 2006, 5:00 P.M.

C. PRE-PROPOSAL MUST BE SUBMITTED BY:

FRIDAY, JUNE 30, 2006, 5:00 P.M.

1.2 COPIES AND FORMAT OF PRE-PROPOSAL SUBMISSION

Applicants must deliver **three (3) full color hard copies of the project pre-proposal, as well as an electronic copy that includes all elements** of the pre-proposal, by the pre-proposal application deadline.

1.3 PRE-PROPOSAL AND FULL PROPOSAL DELIVERY LOCATION

New Jersey Department of Environmental Protection
Division of Watershed Management
Bureau of Watershed Planning
401 East State Street
P.O. Box 418
Trenton, New Jersey, 08625-0418
Attention: **Time Sensitive** SFY 2007 319(h) Grant Proposal

1.4 GENERAL APPLICATION PROCEDURES

All applicants must submit an Intent to Apply form in order to be eligible for a SFY 2007 Section 319(h) NPS grant. The form may be submitted by completing the electronic application provided on the Division of Watershed Management (Division) website at <http://www.state.nj.us/dep/watershedmgt/319grant.htm>, or by mailing the completed application found in Appendix A to the above address, by **FRIDAY, MARCH 24, 2006, 5:00 P.M.** All mailed submissions must be postmarked by March 24, 2006 to be eligible for funding in SFY 2007.

Pre-application meetings will be scheduled by the Division for all Intent to Apply forms submitted in accordance with the above deadline. **Applicants, themselves, must attend the scheduled pre-application meeting in order to be eligible for funding. No pre-application meeting will be held with consultants or subcontractors in absence of the applicant organization.** The pre-application meeting will be used to identify any technical or procedural issues that must be addressed by the applicant in developing or implementing the scope of work and grant agreement, if funded.

319(h) funds are provided in reimbursement for services. Exception to this policy will be made only in extenuating circumstances. The applicant must request consideration for an exception at the time of the mandatory pre-application meeting in order to be eligible.

Applicants must submit pre-proposal applications to the address noted above by **FRIDAY JUNE 30, 2006, 5:00 P.M., postmarked, or stamped received if hand delivered.** Late or incomplete proposals **will not** be considered for funding. All applications must be submitted in the format outlined in Sections 5 and 6 of this RfP; otherwise they will be declared incomplete and will be removed from funding consideration. The pre-proposal must address concerns and issues, if any, raised by the Division at the mandatory pre-application meeting.

Current 319(h) grantees should not respond to this RfP to propose modifications to existing contracts. All contract modification proposals must be discussed with, and submitted through, the appropriate Division 319(h) Project Manager.

2. PURPOSE OF THIS REQUEST FOR PROPOSALS

Pursuant to Section 319(h) of the federal Clean Water Act (Act), the Division is requesting proposals from organizations and governmental entities for the purpose of (1) implementing projects or activities identified as components of Department approved watershed-based plans and (2) developing Watershed Restoration and Protection Plans for targeted subwatersheds throughout the State as described in 2.2.1 below.

The goal of this RfP is to protect and restore priority waterbodies throughout the State. The Division intends to focus funding in this grant cycle primarily on the implementation of Department approved watershed-based plans. However, the Division is also aware of the need to balance this implementation effort with the continued development of watershed restoration and protection plans in targeted watersheds as discussed below.

2.1 WATERSHED-BASED PLAN IMPLEMENTATION PROJECTS

Nonpoint Source (NPS) abatement projects or activities that have been specifically identified as integral components of a Department approved watershed-based plan are eligible for funding through 319(h) in SFY 2007. Watershed-based plans are plans that:

1. are regional/areawide in scope (i.e. not a study of one location);
2. detail specific projects or management measures to be implemented in order to achieve the goals of the plan; and
3. set forth a prioritization of the projects or management measures identified in the plan.

A listing of currently approved watershed-based plans can be found on the Division's website at <http://www.state.nj.us/dep/watershedmgt/>. This listing is not all-inclusive and will be updated regularly. To be considered in this funding cycle, a plan must be present on the listing of currently approved plans, or be submitted to the Division for review by March 24, 2006 and/or receive Department approval prior to the pre-proposal deadline of June 30, 2006.

Implementation projects identified in watershed-based plans that are not currently approved or that have not been formally submitted to the Division for approval as of March 24, 2006, will not be eligible for funding in SFY 2007.

Plans initiated after June 30, 2007 must include the 9 minimum components of a watershed-based plan set forth in Section 2.2.2 of this RfP in order to be considered for implementation funds through future 319(h) funding cycles. However, plans initiated prior to June 30, 2007 must meet the definition of watershed-based plan, but will not be required to possess the 9 minimum components in order to receive future implementation funds, unless the plans were funded under 319(h) grants in which said minimum components are requirements of the executed contracts.

2.1.1 Target Watershed-Based Plan Implementation Projects

Funding priority will be given to projects that are identified and detailed in Department approved watershed-based plans that:

- Reduce the NPS loading of a specific pollutant for which a TMDL has been at least proposed;
- Address impairment(s) currently found on Sublist 5 of the *New Jersey 2004 Integrated Water Quality Monitoring and Assessment Report (2004 Integrated Report)*; or
- Abate a specific NPS pollutant to a Category One waterbody.

2.1.2 Requirements for Watershed-Based Plan Implementation Projects

A general requirement of implementation projects funded through the 319(h) program is that they must take place on land that is either publicly held or that has an established deed restriction to protect the public investment of funds (see Section 3.3 for clarification).

The following provides detail on two common NPS implementation project types; however, projects are not limited to these two types:

2.1.2.1 Riparian Buffers

Riparian buffer restoration projects should be designed (in terms of width and vegetation) to attain the maximum possible removal rates of the pollutant(s) to be addressed, while taking existing site conditions into consideration.

Higher priority will be given to riparian buffer projects that propose wider buffers and buffers that have longer water frontage. As with all projects that involve the installation of vegetation, all riparian buffer implementation projects are required to use only species of plants native to that region. If a riparian buffer project is proposed at a site with a resident goose population, the development of a goose management plan is also necessary.

2.1.2.2. Manufactured Treatment Devices

Should a manufactured treatment device (i.e., a commercially developed water quality treatment device) be identified in an approved watershed-based plan and submitted as an implementation project in SFY 2007, technologies that have been certified through the Bureau of Sustainable Communities & Innovative Technologies and the New Jersey Corporation for Advanced Technology (NJCAT) for their effectiveness in regard to their specific pollutant removal capabilities (i.e., if the manufactured treatment device is being proposed to reduce phosphorus, the device must be certified for phosphorus removal) will be given preferential funding

consideration. If certified technologies are not applicable to the project, preference will first be given to those committed to the verification process for the specific parameter being targeted in the project, then to alternative technologies. Please refer to the technical guidance documents posted on the Bureau of Sustainable Communities & Innovative Technologies website¹ for information on the verification procedure. A copy of the NJCAT verification for the selected device must be included in the project pre-proposal, as well as technical specifications on any alternative technology proposed.

2.2 WATERSHED RESTORATION AND PROTECTION PLANS

Watershed Restoration Plans and Watershed Protection Plans are watershed-based plans designed to determine the course of action necessary, through the identification of specific measures to be taken, to restore impaired waters and to protect and maintain unimpaired waters, respectively. These plans are intended to be the next level of watershed-based planning and are to be blueprints for achieving the objectives of the plan. When available, these plans will utilize strategies outlined in more general plans or generic parts of TMDL implementation plans, and identify the specific tasks, geographic location, methods, and responsible parties that will achieve the intent of the more general strategies.

2.2.1 Target Waters for the Development of Watershed Restoration and Protection Plans

Priority for watershed restoration plan development will be given to watersheds encompassing waters that, at a minimum, have a TMDL² proposed and/or are found on sublist 5 of the *2004 Integrated Report*. All applications must detail how the watershed restoration plan will specifically address the waterbody segment and the pollutant(s) that are the subject of the TMDL and all remaining NPS pollutant(s) on sublist 5 of the *2004 Integrated Report*, with the exception of metals. The Department is developing a strategy for addressing metal impairments throughout the state. Therefore, metals should not be included as parameters of focus for planning activities. In addition, the following public lakes, listed in alphabetical order by county, have been identified by the Division as having funding priority: Hammonton Lake, Atlantic County; Dennisville Lake, Cape May County; Lily Lake, Cape May County; Cooper River Lake, Camden County; Kirkwood Lake, Camden County; New Brooklyn Lake, Camden County; Mary Elmer Lake, Cumberland County; Sunset Lake, Cumberland County; Bethel Lake, Gloucester County; and Spring Lake, Mercer County.

¹ Technical guidance documents developed to provide guidelines for the development and implementation of innovative energy and environmental technologies can be found at <http://www.state.nj.us/dep/dsr/bscit/Documents.htm> while information regarding the certification program itself and specific certified technologies can be found at <http://www.state.nj.us/dep/dsr/bscit/CertificationMain.htm> or <http://www.njcat.org>.

² Information regarding proposed, established, approved, and adopted TMDLs in New Jersey can be found at <http://www.state.nj.us/dep/watershedmgt/tmdl.htm>.

Priority for watershed protection plan development will be given to watersheds containing waters that are designated or are proposed to be designated as Category One³. Category One antidegradation designation proposals must be published in the New Jersey Register by July 1, 2006.

Proposals that include headwaters or are immediately downstream of an area already addressed under a 319(h) planning activity will have a priority over proposals which focus on isolated mid-stream segments.

2.2.2 Requirements of Watershed Restoration and Protection Plans

Watershed Restoration Plans must be designed to reduce the NPS pollutant loading that is contributing to the surface water quality or designated use impairments. For Watershed Protection Plans for Category One designated waters (N.J.A.C. 7:9B et seq.), the protection plan must be designed to ensure protection from any negative measurable changes in water quality characteristics and, where feasible, to enhance surface water quality.

At a **minimum**, both Watershed Restoration and Protection Plans **must** include the following nine minimum components:

- a. An identification of the causes and sources or groups of similar sources that will need to be controlled to achieve the load reductions estimated in this watershed-based plan (and to achieve any other watershed goals identified in the watershed-based plan), as discussed in item (b) immediately below. Sources that need to be controlled should be identified at the significant subcategory level with estimates of the extent to which they are present in the watershed (e.g., X number of dairy cattle feedlots needing upgrading, including a rough estimate of the number of cattle per facility; Y acres of row crops needing improved nutrient management or sediment control; or Z linear miles of eroded streambank needing remediation).
- b. An estimate of the load reductions expected to be achieved by the management measures described under paragraph (c) below (recognizing the natural variability and the difficulty in precisely predicting the performance of management measures over time). Estimates should be provided at the same level as in item (a) above (e.g., the total load reduction expected for dairy cattle feedlots, row crops, or eroded streambanks).
- c. A description of the NPS management measures that will need to be implemented to achieve the load reductions estimated under paragraph (b) above (as well as to achieve other watershed goals identified in this watershed-based plan), and an identification (using a map and description) of the critical areas in which those measures will be needed to implement this plan.

³ Information concerning Category One designation and a list of waterbodies so designated can be found at <http://www.nj.gov/dep/cleanwater/c1.html>.

- d. An estimate of the amounts of technical and financial assistance needed, associated costs, and/or the sources and authorities that will be relied upon to implement this plan. Possible sources of funding include Section 319(h) Programs, the New Jersey Environmental Infrastructure Trust, U.S. Department of Agriculture's Environmental Quality Incentives Program and Conservation Reserve Program, and other relevant federal, state, local, and private funds that may be available to assist in implementing this plan.
- e. An information/education component that will be used to enhance public understanding of the project and encourage the public's early and continued participation in selecting, designing, and implementing the NPS management measures.
- f. A reasonably expeditious schedule for implementing the NPS management measures identified in this plan.
- g. A description of interim, measurable milestones for determining whether NPS management measures or other control actions are being implemented.
- h. A set of criteria that can be used to determine whether loading reductions are being achieved over time and substantial progress is being made towards attaining water quality standards and, if not, the criteria for determining whether this watershed-based plan needs to be revised or, if a NPS TMDL has been established, whether the implementation plan section of the TMDL needs to be revised.
- i. A monitoring component to evaluate the effectiveness of the implementation efforts over time, measured against the criteria established under item (h) immediately above.

Items (a-i) detailed above, are the nine **minimum** components necessary for Watershed Restoration and Protection Plans. However, where an existing plan or activity can adequately serve to fulfill one or more of the requirements, the effort should not be duplicated as part of this proposal.

Watershed Restoration and Protection Plans must address a large enough geographic area so that the implementation of the plan will address all of the sources and causes of an impairment(s) or threat(s) to the waterbody under study. However the geographic area must be appropriately sized so that the watershed may be thoroughly studied to the level of detail required for the compilation of the plan. While there is no rigorous definition or delineation for this concept, the general intent is to avoid single segments or other narrowly defined areas that do not provide an opportunity for addressing a watershed's stressors in a rational and economic manner. Conversely, the plan's scale should not be so large as to make impractical the necessary study and identification of specific management measures to address the impairment(s) or threat(s). It is suggested

that the geographic extent of the planning area be defined in terms of HUC-14 watersheds⁴ as a first consideration.

3. ELIGIBILITY REQUIREMENTS

3.1 ELIGIBLE ENTITIES

Entities that are eligible to receive 319(h) funds include:

- Municipal planning departments or boards, health departments or boards
- County planning departments or boards, health departments or boards
- Designated water quality management planning agencies
- State and regional entities entirely within New Jersey
- State government agencies, universities and colleges
- Interstate agencies of which New Jersey is a member
- Watershed and water resource associations and other local nonprofit organizations recognized by the Internal Revenue Service under Section 501(c)(3) of the Internal Revenue Code.

3.2 ELIGIBLE ENTITY CAPABILITIES

In order for the entities noted in Section 3.1 above to qualify for 319(h) grant funds, they must possess all of the following, as demonstrated through a detailed description in their proposal:

- Staff and resources with the capability, expertise, and environmental experience to perform the proposed work;
- The ability and authority to implement the proposed project;
- The ability to establish and maintain partnerships to ensure project implementation as well as long-term operation and maintenance / management;
- An established working relationship with the municipality(ies) in which the project will be located.

3.3 INELIGIBLE ACTIVITIES

Section 319(h) NPS funds may not be used for any of the following purposes:

- Purchase of land or major capital improvements;
- Purchase of promotional items;
- Implementation of any permit or permit application requirements of federal, state, or local agencies, including the implementation of activities required by the NJPDES regulations, including Phase II permit requirements;
- Department permit fees;
- Maintenance activities such as street sweeping, catch-basin cleaning, and dredging;
- Projects which address symptoms rather than causes or sources (i.e. weed harvesting and alum treatments);
- Point-source related projects;
- Dredging of lakes or ponds;

⁴ GIS datasets of HUC-14, 11, and 8 boundaries are available for download as ArcView Shape files. These files can be used with GIS, or can be viewed with a free GIS Data Viewer from ESRI called ArcExplorer, and can be found at <http://www.nj.gov/dep/gis/lists.html>.

- Ineligible activities based on current USEPA guidelines for Section 319(h) grants⁵.
- Implementation projects located on private property, unless permanent viability is assured through a recorded deed restriction and the project is specifically designated a demonstration project. Demonstration projects are those that apply new methods to address NPS pollution, or apply existing methods in innovative ways. Division concurrence of demonstration project designation will be necessary to submit for funding on private property and must be obtained prior to pre-proposal submission. A draft of the appropriate deed restriction paperwork must be submitted with the full proposal. Should a grant be approved for such a project, contract execution will not occur until the appropriate deed restriction has been established and recorded in the appropriate county(s) files.

⁵ EPA guidelines that describe the process and criteria to be used to award Clean Water Act (CWA) Section 319(h) NPS grants for states and territories can be found at <http://www.epa.gov/fedrgstr/EPA-WATER/2003/October/Day-23/w26755.htm>.

4. GRANT PROCESSING SCHEDULE

4.1 SCHEDULE

The following schedule provides a timeline of events to occur within the SFY 2007 funding cycle:

Table 1: Grant Processing Schedule

Action	Responsibility	Deadline
Submit Formal Intent to Apply	Applicant	03/24/06
Submit Department Approved Plan, if Application is Watershed-Based Plan Implementation Project	Applicant	1 week before scheduled pre-application meeting
Pre-Application Meeting	Applicant/Division	05/12/06
Submit Project Pre-Proposal	Applicant	06/30/06
Administrative Review for Applicability and Completeness and Notification of Dismissal from Consideration	Division	07/21/06
Regional and Technical Review	Division	09/15/06
Full Proposal Requests or Notification of Dismissal from Consideration	Division	09/15/06
Submit Project Proposals	Applicant	11/10/06
Funding Recommendations	Division	12/22/06
Submit Contract Paperwork	Grantee	03/02/07

4.2 SCHEDULE DESCRIPTION

The following subsections further describe the activities listed in Table 1.

4.2.1 Submit Formal Intent to Apply

In order to be eligible for SFY 2007 319(h) funds, interested entities must submit their intent to apply through the Division website⁶ or via hard copy (Appendix A) to the address noted in Section 1.3 by **FRIDAY, MARCH 24, 2006, 5:00 P.M.** This submission must be completed in full in order for the Division to schedule the pre-application meeting with the applicant.

Applicants proposing watershed-based plan implementation projects are required to submit a copy of the plan that their project proposes to implement, unless the applicant first confirms that the Division has previously obtained a copy. Either a hard copy of the plan, mailed to the address noted in Section 1.3 no later than one (1) week before their pre-application meeting, or a web address with a link to an electronic version of the plan, provided on the intent to apply form, will be

⁶ The web-based intent to apply form may be found on the Division website at <http://www.state.nj.us/dep/watershedmgt/319grant.htm>

acceptable to fulfill this requirement. It is in the applicant's best interest to submit the hard copy of the plan with the original intent to apply submission, as this will ensure that Division staff have adequate time to review the plan, and the pre-application meeting will be more effective and efficient. Plans not accompanying the original intent to apply submission must be submitted with a copy of the original intent to apply submission.

4.2.2 Pre-Application Meeting

The Division will begin scheduling the mandatory pre-application meetings with all potential applicants as soon as individual intents to apply are received. Only applicants that have submitted the intent to apply, completed in full and on time, will be allowed to move into the next phase of consideration and be contacted to schedule a meeting. It is the applicant's responsibility to submit adequate contact information on the intent to apply form so that they may be contacted to schedule the pre-application meeting. Should the Division make two (2) attempts (one of which shall be via e-mail, if applicable) to contact the potential applicant without response, no further attempts shall be made and the applicant's intent will be removed from consideration.

The purpose of the pre-application meeting is to develop the potential applicant's proposal into a project that best fits the goals of the 319(h) program and will achieve the greatest environmental benefit. No pre-application meeting will be held in absence of an authorized representative from the applicant organization. Although consultants are encouraged to attend, they may not attend meetings in lieu of applicants.

Potential applicants must attend these meetings prepared to discuss overall project goals and objectives, as well as more detailed logistics. Applicants are encouraged to bring pertinent information regarding the project location and viability, in addition to visual aids such as maps and conceptual designs. For watershed-based plan implementation project applications, the watershed-based plan that the project is implementing must be made available to the Division at least one (1) week before the pre-application meeting date in order for the meeting to be held. The deadline for holding pre-application meetings is **FRIDAY, MAY 12, 2006**.

4.2.3 Submit Project Pre-Proposal

All applicants who have submitted their intent to apply and attended their pre-application meeting will be eligible to submit a project pre-proposal reflecting the discussion and recommendations of the pre-application meeting. The pre-proposal must be postmarked, or stamped received if hand delivered, by **FRIDAY, JUNE 30, 2006, 5:00 P.M.** In order to be considered for funding, all proposals must be submitted by this deadline, with **three (3) full color hard copies and an electronic copy of all elements of the proposal**, and must adhere to the format and components described in Section 5 below. Please note, failure to submit any component of the proposal (with exception of full reports submitted as reference) in an electronic format as well as the hard copies may immediately disqualify project proposals in the administrative review.

All Letters of Resource Commitment, as discussed in Section 6 below, are required to be submitted by **FRIDAY, JUNE 30, 2006, 5:00 P.M.**

4.2.4 Administrative Review for Applicability and Completeness and Notification of Dismissal from Consideration

All pre-proposals submitted by the above deadline will initially be reviewed for applicability to receive 319(h) NPS funds and compliance with this RfP. Proposals which do not meet these standards will be eliminated from further review at this point in the process and will be declared ineligible to receive SFY 2007 funds. All applicants will be notified in writing of the findings of the Division with regard to this review.

4.2.5 Regional and Technical Review

Pre-proposals that successfully completed the administrative review will then undergo review by the Division for technical viability and support of the priorities outlined in this RfP. Project evaluations will be conducted considering the criteria described in Appendix B.

4.2.6 Proposal Requests and Notification of Dismissal from Consideration

Applicants whose projects are considered to be technically sound and priorities for funding will be asked to provide full proposals of their projects. The full proposal must respond to all issues identified in the review letter provided by the Division, and include a further refined scope of work suitable for potential contract execution, as well as formal commitments from all applicable parties. Receipt of a letter from the Division requesting a full proposal does not guarantee that the proposal will be funded.

Projects no longer eligible due to the outcome of the regional or technical review will be eliminated from further review and the applicant will be notified in writing of the findings of the Division.

4.2.7 Full Project Proposal Submission

All projects remaining in contention for SFY 2007 319(h) funds will be required to submit a full proposal, including issues identified in correspondence provided by the Division, as well as a draft Quality Assurance Project Plan (QAPP). The applicant shall submit three (3) full color hard copies and an electronic copy of the revised proposal, including all proposal components with issues addressed, which must be received by the Division at the address noted in Section 1.3 by **FRIDAY, NOVEMBER 10, 2006, 5:00 P.M.**

4.2.8 Final Project Review and Final Funding Decisions

After a final regional and technical review, the Division will make final funding decisions by December 22, 2006. All applicants will be notified in writing whether or not their proposal has been recommended for funding.

4.2.9 Submit Contract Paperwork

Once grantees have been notified of the Division's intent to fund a specific project, they will be required to submit all contract paperwork by **FRIDAY, MARCH 2, 2007**. Failure to adhere to this deadline may result in an immediate reallocation of funds and loss of the grant award.

5. COMMON ELEMENTS FOR ALL PROPOSALS

The following sections describe elements that must be addressed in both pre-proposals and final proposals for both implementation and planning projects.

5.1 COVER PAGES

The cover pages for the appropriate project type found in Appendix C must be completed in their entirety and submitted as the first pages of any project proposal.

5.2 ABSTRACT

The proposal must include a brief abstract of the project that includes a summary of the information contained in the scope of work (see detailed description in Section 6: Project Type Specific Proposal Components), including a description of the project area, that can also serve as a stand-alone document.

5.3 APPLICANT DESCRIPTION

On the same page as the abstract, a description of the applicant and the applicant's ability to complete the project must be included. Indicate whether this entity or any partners have received previous CWA Section 319(h) grant funding. If so, include all grant contract date(s), project title(s), expiration date(s) and grant identification number(s) in an appendix referenced in this section.

5.4 PROJECT IMPLEMENTATION SCHEDULE

A complete proposal must include a project schedule (following the table format provided below) that lists outputs or deliverables associated with each task identified to achieve the stated objectives of the project as well as meet all mandatory requirements. This schedule also identifies the party responsible for, and time duration associated with, completing the tasks.

The schedule should describe the total duration of the project from commencement to completion (usually between two and five years) and should include: administrative start time, monitoring needs (e.g. final QAPP development and approval, seasonal conditions, length of time for significant data, rainfall needs), all required paperwork and legal review, project completion and evaluation of the outcome, and preparation and submission of the final report. A goal/task table must be included with the project schedule that contains the following information for each goal of the project:

- Specific tasks to be implemented;
- Start dates and completion dates for each task;
- Quantified specific outputs, such as reports, manuals, videos, maps, meetings, etc.; and
- The anticipated timeframe for achieving each project goal.

Table 2: Project Implementation Schedule

Project Objective: Completion Month #					
TASK	Responsible Party	Timeframe	*Anticipated Start Month	Project Deliverable	*Anticipated Completion Month
Task 1	e.g., Lead Agency	Months	M1, M2, etc.	e.g., A,B, and C maps	M4, M5, etc.
Task 2	e.g., Partner's Name	Months	M1, M2, etc.	e.g., D, E, and F maps	M4, M5, etc.

*Start and Completion Months should be described in terms of months from initial month that work begins, with M1 designating that month. For seasonal work, all schedules should be based on the presumption of a June 1, 2007 start date.

5.5 BUDGET

Both a detailed budget describing how **costs per task** will be broken down and a more generalized budget adhering to the following categories must be provided within the project proposal.

General Budget Categories

- Salaries (college tuition for graduate students is not eligible for funding)
- Benefits
- Travel @ 0.31 cents per mile
- Administration (rent, phone, etc.) (may not exceed 10% of the amount requested)
- Contractual Services
- Construction (related to implementation of BMPs)
- Equipment (list must be provided). Equipment is to be returned to the Division prior to or with the submission of the Final Report, as described in Appendix F.

319(h) funds are provided in reimbursement for services. Exception to this policy will be made only in extenuating circumstances. The applicant must have identified this need at the time of the mandatory pre-application meeting to be considered.

5.6 MONITORING AND EVALUATION INFORMATION

All proposals must include a description of how the project success will be measured. For most projects this may include chemical water quality monitoring as verification of load reduction estimates, or other appropriate measurements. Existing ambient monitoring programs may be useful in fulfilling this requirement

All chemical water quality monitoring must follow Department protocol. A Quality Assurance Project Plan (QAPP)⁷ must be prepared by the applicant and approved by the Department. A 319(h) QAPP guidance document is provided in Appendix D to assist in the creation of the QAPP. Monitoring QAPPs do not have to be developed until an applicant has been notified that the project has been selected for development of a full proposal. The final QAPP will not be approved until, if funded, all appropriate tasks which must precede final QAPP development have been completed. No water quality monitoring shall begin until the QAPP has been approved by the Department.

5.7 GEOGRAPHIC INFORMATION SYSTEM DATA

All projects involving activities using a GIS data or mapping component must follow the Department's *Mapping and Digital Data Standards (2002)*⁸.

6. PROJECT TYPE SPECIFIC PROPOSAL COMPONENTS

Due to the differences between the implementation and planning project types solicited in this funding cycle, scope of work requirements have been outlined individually for each project type.

6.1 WATERSHED-BASED PLAN IMPLEMENTATION PROJECTS

All implementation project pre-proposals must be accompanied by a copy of a letter from the Department stating approval of the plan. Submission of the Department approved watershed-based plan in which the projects are identified (or the internet address at which the plan may be downloaded) must have occurred in the intent to apply phase of the application process, unless the applicant first confirmed that the Division has previously obtained a copy.

All implementation projects must take place on public land with the exception of Division designated demonstration projects, as defined in Section 3.3 of this RfP, for which all necessary legally binding restrictions will be obtained.

6.1.1 Scope of Work: Maximum of Five (5) Pages Not Including Cover Sheet, Abstract, or Attachments

The proposal must include a scope of work that includes a detailed description of the project and the environmental benefit that will be achieved by the project. How the reduction in pollutant loading estimated in the proposal was developed must be explained in the proposal.

Any reference photos and/or maps should be added as appendices and should not be included in the five-page scope of work.

⁷ Information regarding QAPPs can be found at www.epa.gov/quality/qs-docs/g5-final.pdf. For applicants unfamiliar with QAPP procedures and protocol, a meeting with Department QAPP staff will be coordinated in order to facilitate this process.

⁸ The Department's Mapping and Digital Data Standards (2002) may be downloaded at <http://www.nj.gov/dep/gis/standard.htm>.

6.1.1.1 Background Information

Describe why the project is needed, the scope of the problem, and/or current condition of the targeted waterbody, as defined by the Department in the *2004 Integrated Report* or the TMDL to be implemented, including title, date and status (proposed, approved, established, etc.) of the TMDL. Define the desired result that this project will seek to achieve.

6.1.1.2 Root Cause Analysis

Identify the causes or obstacle(s) that contribute to, or are causing, the gap between the current condition(s) and the desired result. Explain how implementing this project will address the root cause of the problem and work towards achieving the project's goal(s) by implementing measures that work towards closing the gap that exists between current conditions and desired conditions. The need for the project as discussed in the plan should be presented and referenced here.

6.1.1.3 Goals, Objectives, and Tasks Statements

Goals should be clearly presented for each type of implementation project, followed by the related project objectives. Tasks must be laid out in order to present a clear path to achieving the objectives.

The goal statement(s) must:

- Identify the desired outcome(s) related to the identified problem or need; and
- Be stated in terms of results to be accomplished.

Objectives describe the outcomes in a measurable way; they are not about the tools you are using to implement your project. Objectives specify:

- The results to be achieved or criteria by which results will be measured (i.e., 25% reduction in phosphorous loading to the Muddy River); and
- Time frame for achieving the objective.

Tasks are concise statements of activities that need to take place to achieve the desired goal(s). They serve as the steps you will take to meet the project goal(s) and objectives. Tasks should:

- Provide concrete steps that will be taken to achieve the project goals and objectives;
- Have a designated responsible party for each task (including partners); and
- Identify roles in achieving the objectives.

6.1.2 Supporting Documentation

The following supporting documentation is required to be submitted in attachments to the scope of work:

- Documentation verifying Department approval of the watershed-based plan the project is implementing;
- Dated USGS topographic map with project area delineated;
- Dated Lot and Block tax map with project area delineated;

- Sketch/site plan or dated large-scale map showing project area in detail, as well as any regulated features such as flood hazard areas, riparian buffers, wetlands, etc., that would be impacted by any proposed construction;
- List of required local and state permits;
- Photos of site; and
- Discussion of chemical monitoring plan and/or biological monitoring plan that will be implemented to verify load reductions proposed in the plan⁹, if applicable.

6.1.3 Native Species

All implementation projects that involve the selection and planting of vegetation are required to use only species of plants native to that particular region of New Jersey. Proposals should recognize that, should the project receive funding, the final species list indicating quantities and a planting plan with location and procedures must be submitted to the Division Project Manager for approval prior to purchase and installation of any plant.

6.1.4 Coordination of Project Permitting

All grantees of implementation projects funded through this RfP must coordinate all permit pre-application meetings, applications, and application meetings with the Division Project Manager. The Division should be listed as a co-applicant for any Department permit sought. This must be clearly recognized in the grant proposal.

6.1.5 Letter(s) of Resource Commitment

Any party committing resources to the project must submit a letter of resource commitment and is then considered a project partner. The letter, submitted with the project pre-proposal, must describe the partner's commitment to the project (time, money, effort) or it will not be considered as a letter of resource commitment. Letters of resource commitment must be included with the original pre-proposal to ensure consideration of the proposal.

Letters of Resource Commitment from county and local governmental agencies must be signed by person(s) with the financial authority to commit time, money and effort to the project.

A letter of resource commitment must be provided from the landowner of the site of an implementation project if the landowner is a party other than the applicant and a formal resolution will be required before any contract is executed with the State.

⁹ A detailed description of the water quality sampling plan should not be included in the project proposal due to the subsequent development of the QAPP, however, a general discussion should be presented in the proposal. It should also be noted that data collected through a 319(h) grant will be required to be of the quality necessary to be included in future compilations of the *Integrated List*. For more information on the data quality requirements necessary for inclusion on the *Integrated List* please see the methods document found at <http://www.state.nj.us/dep/wmm/sgwqt/wat/integratedlist/integratedlist2004.html>.

6.1.6 Maintenance and Monitoring Agreement

In order to ensure the success of any NPS implementation project funded by a 319(h) grant, a Maintenance and Monitoring Agreement must be executed before the project can begin. This agreement must be submitted to the Division Project Manager before any work is authorized. The agreement must identify the entity or entities responsible for maintenance and monitoring, describe timetables by which these functions will be carried out, and detail tasks performed to ensure the continuing functionality of the implementation project. This must be clearly recognized in the grant proposal.

6.2 WATERSHED RESTORATION AND PROTECTION PLANS

6.2.1 Scope of Work: Maximum of Five (5) Pages Not Including Cover Sheet, Abstract, or Attachments

The proposal must include a scope of work that includes a detailed description on how all of the nine minimum components (described above in Section 2.2.2) will be met. Each description must specifically call out which minimum component will be addressed through the outlined tasks. The reiteration of the nine minimum components without a discussion on how they will be addressed is not sufficient.

Any reference photos and/or maps should be added as appendices and should not be included in the five-page scope of work.

6.2.1.1 Background Information

Describe why the project is needed, the scope of the problem, and/or current condition of the watershed, as defined by the Department in the *2004 Integrated Report* or the TMDL to be implemented, as well as any additional reconnaissance work that has already been completed in the watershed. Define the desired result that this project will seek to achieve. Give background water quality information if applicable and available. Provide reference reports in appendices.

6.2.1.2 Goals, Objectives, and Tasks Statements

The **goal(s)** of the project should first be identified, followed by the related project objectives. The steps that will be taken to meet the goal should be identified and linked to addressing the conditions described in Section 6.2.1.1 above. This section should also include a narrative description of the work to be accomplished. Necessary project specific elements found in Section 2.2.2, the mandatory elements for Watershed-Based Plans, must be included and specifically highlighted in this section in order to adequately detail how the project will achieve all necessary mandatory elements to meet the goals and objectives.

The goal statement(s) must:

- Identify the desired outcome(s) related to the identified problem or need; and
- Be stated in terms of results to be accomplished.

Objectives describe the outcomes in a measurable way; they are not about the tools you are using to implement your project. At a minimum, the objectives of the project must include addressing any known water quality impairment, as detailed on Sublist 5 of the *2004 Integrated Report* or a TMDL. The Department is developing a strategy for addressing metal impairments throughout the State; therefore, metals should not be included as parameters of focus for planning activities.

Objectives specify:

- The results to be achieved or criteria by which results will be measured (i.e., 25% reduction in phosphorous loading to the Muddy River);
- Time frame for achieving the objective; and
- Specific target group toward which the service or program is directed, if applicable.

Tasks are concise statements of activities that need to take place to achieve the desired goal(s). They serve as the steps that will be taken to meet the project goal and objectives.

Tasks should:

- Provide concrete steps that will be taken to achieve the project goals and objectives;
- Have a designated responsible party for each task (including project partners); and
- Identify roles in achieving the objectives.

6.2.2 Supporting Documentation

The following supporting documentation must be provided as appendices to the scope of work for Watershed Restoration or Protection Plans:

- Clearly labeled map showing delineation of proposed watershed planning boundary against municipal, county, HUC-14 boundaries, with all waterbodies clearly labeled;
- GIS shapefiles of the proposed planning area (in electronic format) and a justification for this delineation, if the planning boundary does not follow HUC-14 boundaries;
- Reports referenced in the proposal that are not available for download via the internet. If the report can be obtained via the internet, the website must be provided; and
- Monitoring data that support claims in the proposal that have not been provided as stakeholder data for the listing process.

6.2.3 Letter(s) of Resource Commitment

Partnerships are essential to both successful planning and implementation. This is even more pronounced when planning on a watershed basis does not follow political boundaries. In recognition of the importance of this issue, all municipalities and counties included in the proposed planning area must not only support the development of the plan, but also commit to providing support (e.g.

providing available data, participating in committees) to the project in order for the project to be considered. Exception to this requirement may be made on a case-by-case basis where a well documented argument is provided. That discussion must occur via the applicant's initiative at the mandatory pre-application meeting.

Partners and their roles should be reflected in the tasks portion of the Project Implementation Schedule. The letters submitted with the project proposal from each of these partners must describe their commitment to the project (time, money, effort) or will not be considered. Letters of resource commitment must be included with the original grant pre-proposal to ensure consideration.

Letters of Resource Commitment from county and local governmental agencies must be signed by person(s) with the financial authority to commit time, money and effort to the project, if applicable.

7. PROPOSAL EVALUATION CRITERIA

All proposals will be evaluated utilizing the criteria described in Appendix B.

8. REPORTING REQUIREMENTS FOR PROJECTS SELECTED FOR FUNDING

8.1 QUARTERLY PERFORMANCE REPORTS

Performance reports are required to be submitted to the Division on a quarterly basis to provide an update and explanation of the project status. These reports are vital to the success of the project and must be submitted in whole and on time. Adherence to the required format and timetable will factor into present and future grant evaluations. The reports must follow the format found in Appendix E.

8.2 FINAL REPORTS

Three (3) hard copies and an electronic version of the final report must be submitted to the Division Project Manager upon the completion of the project. The Division must deem the report acceptable prior to the release of final payment to the grantee. The required format for the final report can be found in Appendix F.

9. OTHER REQUIREMENTS FOR ALL PROJECTS SELECTED FOR FUNDING

9.1 QUALITY ASSURANCE PROJECT PLAN (QAPP)

All monitoring measurements or data generation must have a QAPP¹⁰ approved by the Department before any monitoring, measurements, or data generation is initiated. A QAPP is a blueprint by which individual projects involving environmental data are implemented and assessed. The QAPP also details how specific Quality Assurance (QA) and Quality Control (QC) activities will be applied during a particular project.

The development of QAPPs is part of the mandatory USEPA requirement that all organizations performing work for the USEPA develop, implement, and approve QAPPs to ensure that the data collected are of sufficient quality for the intended use. A template specifically developed for use in developing QAPPs for 319(h) projects is provided in Appendix D.

Please be aware that data generated through a 319(h) grant is expected to be of a high quality and quantity and will require specific certifications for the collection and analysis of environmental samples. 319(h) funds will not be authorized to pay for these certifications.

9.2 GRANTS REPORTING AND TRACKING SYSTEM (GRTS) REFERENCE DATA

The USEPA requires that specific information be provided for each project for the purpose of tracking and evaluating the grant program. This information, presented in Appendix G, will be required to be provided by the grantee.

9.3 DATA SUBMISSION

All data generated by a 319(h) project must be submitted to the Division in the format requested. This may include web-based entry or spreadsheet population.

9.4 OWNERSHIP/PROPRIETARY RIGHTS

All information generated during the course of each 319(h) project, or materials purchased through 319(h) funds, must be provided to the Division in an acceptable format at the conclusion of the project. This includes data collected, maps generated, and all equipment (such as computers and GPS units) purchased with these grant funds.

¹⁰ Information regarding QAPPs for water quality monitoring can be found at <http://www.epa.gov/quality/>. For applicants unfamiliar with QAPP procedures and protocol, a meeting with Department QAPP staff will be coordinated in order to facilitate this process.

Appendix A
SFY 2007 Section 319(h)
Intent to Apply Form

In order to be eligible for State Fiscal Year (SFY) 2007 319(h) federal pass-through funds all applicants must submit a formal intent to apply through the Division of Watershed Management's (Division) website found at <http://www.state.nj.us/dep/watershedmgt/319grant.htm> or by hard copy via mail to the Division by **FRIDAY, March 24, 2006 at 5:00 P.M. (post marked by 03/24/06)**. Applicants will then be contacted to schedule and attend a mandatory pre-application meeting to be held with Division staff and regional watershed staff, as well as other appropriate Department of Environmental Protection staff.

Submit all hardcopy versions of this form to:

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATERSHED MANAGEMENT
BUREAU OF WATERSHED PLANNING
401 EAST. STATE STREET- 6TH FLOOR EAST WING
P.O. BOX 418
TRENTON, NEW JERSEY, 08625-0418
ATTENTION: **TIME SENSITIVE SFY 2007 319(h) INTENT TO APPLY**

Intent to Apply Registration:

Failure to adequately respond to any of the following items may result in immediate disqualification.

Applicant Information

Applicant Organization: _____

Contact Person within Organization: _____

Title: _____

Mailing Address: _____

Email Address: _____

Phone Number with Area Code: _____

Project Information

Project Type (Check One): **Watershed-Based Plan Implementation Project**
 Watershed Restoration and Protection Plan Project

Watershed Management Area: _____

HUC 14 Code(s) for Project Area: _____

Affected Waterbody(ies):

For Watershed-Based Plan Implementation Project Proposals Only

Name of approved watershed-based plan in which project is detailed and date of Department approval:

For Watershed Restoration and Protection Plan Proposals Only

All municipalities and counties in proposed planning area:

Municipalities

Counties

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Appendix B

SFY 2007 319(h) Grant

Project Evaluation Criteria

1. Eligible Projects

A) Watershed-Based Plan Implementation Project

Projects identified as integral components of a Department approved watershed-based plan will fit this category. Priority within this project type will be given to projects which are designed to:

- a. Reduce the NPS loading of a specific pollutant for which a TMDL has been at least developed;
- b. Address impairment(s) currently found on Sublist 5 of the *New Jersey 2004 Integrated Water Quality Monitoring and Assessment Report*(Integrated Report); or
- c. Abate a specific nonpoint source pollutant to a Category One waterbody.

B) Watershed Restoration or Protection Plans

Planning efforts that are designed to determine the course of action necessary, through the identification of specific measures to be taken, to restore impaired waters and to protect and maintain unimpaired waters, and detail how the nine minimum components will be achieved will be considered in this category. Priority within this project type will be given to watersheds containing:

- 1) TMDL segments
- 2) Waterbodies found on Sublist 5 of the *New Jersey 2004 Integrated Water Quality Monitoring and Assessment Report*
- 3) Category One waterbodies
- 4) Proposals that include headwaters or are immediately downstream of an area already under a 319(h) planning exercise will have a priority over proposals which focus on isolated mid-stream areas.

2. Project Design

A) Nature, Extent, and Understanding of the NPS Problem

Consideration will be given to the description of, as well as the actual nature and extent of, the NPS pollutant(s) to be addressed, and the applicant's description of how the project will address the NPS impairment(s).

B) Project Viability

Projects will be evaluated for their ability to achieve high levels of pollutant load reduction, as well as the long term sustainability of high removal levels and overall likelihood of project success. Projects should be well designed to achieve the project goal, presented in the proper sequence of events (goal/objective/task) and have well thought out long term commitment to maintenance and monitoring. Permitting considerations and environmental constraints will also be considered under this subheading.

C) Cost Effectiveness

Overall project costs will be evaluated for the maximum achievement per dollar spent as well as average costs for products and services proposed.

3. Applicant Resources, Ability, Past Performance, and Presentation

Applicants must demonstrate, in a well organized, concise, detailed project proposal, that they have all the necessary resources and ability to perform the proposed project. If the applicant, the submitting entity, or project partners have previously received funding from the Department, past performance will be taken into consideration. Timeliness, cooperation with Department staff and partners, and goal achievement will be considered.

4. Project Partners

All applications shall be evaluated based on the degree to which they have developed the partnerships necessary to achieve the goals and objectives of the proposal.

5. Evaluation and Management

Proposals must describe the ability to measure and document effectiveness of the project and the long-term management of the environmental improvement achieved.

6. Other Funding/In-Kind Services

Although a match is not required for projects to be funded, in-kind services weigh in greatly in the Department's evaluation of each project. This type of support demonstrates a long-term commitment to overall project success. The percentage of matching funds to be supplied by the applicant will also be a factor.

Appendix C

Instructions for the SFY 2007 319(h) Grant Application Cover Sheet

ALL APPLICATIONS MUST HAVE THE APPROPRIATE COVER PAGE IN ORDER FOR THE SFY 2007 319(h) GRANT APPLICATION TO BE CONSIDERED COMPLETE

The cover sheet is to be the first page of each complete grant application package.

There are two versions of the cover sheet. One is for Watershed-Based Plan Implementation proposals and the other is for Watershed Restoration or Protection Plan proposals. Be sure to use the appropriate cover sheet for your project type. The following descriptions provide more detail on the required information found on both cover sheet types.

Description of Elements found on Cover Sheets

Additional Pollutants Addressed are pollutants that will be addressed by the nonpoint source implementation project that are secondary to the primary targeted pollutant(s).

All Counties in Planning Area is a list of all counties found within the proposed planning area, regardless of the percentage of land mass in the watershed.

All Municipalities in Planning Area is a list of all municipalities found within the proposed planning area, regardless of the percentage of land mass in the watershed.

Applicant Organization Name is the eligible entity applying for 319(h) funding. Fill in the organization's address, fax, and phone number.

The *Contact Person* is the person in that eligible entity that can be contacted for additional information. The contact person may not be an independent contractor. On the lines provided, include the contact's name, title, phone number, and e-mail address.

The application must be initialed in the appropriate locations and signed and dated by the person with *Grant Acceptance Authority* in the applicant organization.

Grant Amount Requested is the amount of funding you are seeking from the 319(h) Grant Program.

HUC 14(s) in Planning Area is the 14-digit hydrologic unit code(s) of the subwatershed(s) contained in the proposed planning area.

Implementation Project Name is a concise statement of the particular nonpoint source implementation project proposed. The name should not include "A Proposal for" or "An Application for" in the title.

Legislative District(s) in Planning Area is a list of state legislative districts found within the proposed planning area.

List of All Named Waterbodies in Planning Area is a complete list of all named waterbodies in the proposed planning area. This section must be supplemented with an appendix that includes the complete report on the condition of each waterbody listed as found on the *New Jersey 2004 Integrated Water Quality Monitoring and Assessment Report*. The number or letter designation assigned to this appendix must be provided on the cover sheet.

Linear Feet of Streambank to be Stabilized is to be provided for riparian buffer or streambank restoration projects. If this is not applicable to the implementation project proposed indicate this with "N/A."

List of All Waterbodies Affected by Project and Their Status is to describe any waterbody besides the primary affected waterbody that will be affected by the implementation of the nonpoint source project. The status is to be described in terms of impairments caused by specific pollutants which can be found on list 4 and 5 of the *New Jersey 2004 Integrated Water Quality Monitoring and Assessment Report*.

Local Match is the amount of local funding dedicated to the project.

Maximum Continuous Linear Feet of Riparian Buffer Proposed is the number of linear feet that describes the longest continuous stretch of buffer to be implemented.

Minimum Buffer Width Proposed is the minimum width of the buffer that is proposed by the project.

Planning Watershed is the watershed that has been delineated and proposed as the area for development of the watershed-based plan. The applicant must indicate the existence of and quantity of total maximum daily loads (TMDLs), the TMDL's title and date, sublist 5 Impairments (as found in the *New Jersey 2004 Integrated Water Quality Monitoring and Assessment Report*), and Category One waterbodies by providing the accurate number in the space next to the description.

Primary Pollutant Targeted is the reason the nonpoint source implementation project is being proposed. The abatement of this pollutant is the main focus of the project.

Project Duration in Months is an estimate of the time needed to complete the project in months. Estimations should factor in administrative start up time and anticipated delays. There is no penalty for completion of a project ahead of schedule, while "no cost time extensions" will only be granted in extenuating circumstances.

Person with Grant Acceptance Authority and Their Title is the person who will be accepting responsibility for the terms and conditions of the contract.

Project Total should equal the *Grant Amount Requested* plus the *Local Match*.

River Miles Covered by Planning Area and Lake Acres Covered by Planning Area are the quantities of those resources found within the proposed planning area.

Square Miles Covered by Planning Area is the area in square miles included in the proposed planning watershed.

Total Acreage of Riparian Buffer is to be submitted for riparian buffer and streambank restoration implementation projects. This number is to be calculated by multiplying the width of the buffer by the total linear feet of the buffer.

Total Linear Feet of Riparian Buffer is the overall length of riparian buffer to be implemented by the project in linear feet.

Type of NPS Implementation Project is a descriptive category by which the proposed implementation project can be described.

Waterbody Primarily Affected is the waterbody that is the target of the nonpoint source implementation project. Water quality improvement will be achieved on this waterbody through the implementation of the proposed project.

Watershed Plan Name is a concise statement of the project. The name should not include “A Proposal for” or “An Application for” in the title.

Watershed Plan Project is Implementing is the name and date of the New Jersey Department of Environmental Protection approved watershed-based plan that specifically describes the need for the proposed project.

WMA is the watershed management area that contains the proposed implementation project or planning watershed.

NEW JERSEY'S WATERSHEDS

Where your Quality of Life Begins

SFY 2007 319(h) Grant Application Cover Sheet for Watershed-Based Plan Implementation Projects

- 1) Implementation Project Name: _____
 2) Watershed Plan Project is Implementing: _____
 3) Waterbody Primarily Affected: _____
 4) Type of NPS Implementation Project: _____
 5) Primary Pollutant Targeted: _____
 6) Additional Pollutants Addressed: _____

Applicant Information

- 7) Applicant Organization Name: _____
 8) Organization Address: (street name and #) _____
 (city, state, zip code) _____
 9) Organization Numbers: Phone #: ____ - ____ - _____ Fax #: ____ - ____ - _____
 10) Contact Person: _____, _____
 (name) (title)
 11) Contact's Phone: _____
 12) Contact's Email: _____

Watershed Information

- 13) WMA: _____
 14) List of All Waterbodies Affected by Project and Their Status:
 A) _____ Status) _____
 B) _____ Status) _____
 C) _____ Status) _____
 D) _____ Status) _____

Riparian Buffer and Streambank Projects

- 15) Linear Feet of Streambank to be Stabilized: _____
 16) Minimum Riparian Buffer Width Proposed: _____
 17) Maximum Continuous Linear Feet of Riparian Buffer Proposed: _____
 18) Total Linear Feet of Riparian Buffer: _____
 19) Total Acreage of Riparian Buffer: _____

Project Information

- 20) Project Duration in Months: _____
 21) Grant Amount Requested: \$ _____ + Local Match: \$ _____ =
 Project Total: \$ _____

Applicant Certifications

The Division of Watershed Management (Division) requires certain standards to be followed. To meet these requirements, applicants must indicate compliance by initialing each statement below. Failure to comply with any of these requirements will render the application ineligible.

- Applicant agrees to coordinate all permitting through the Division Project Manager.
_____ (initial here)
- Applicant commits to providing complete and timely quarterly reports and a final report as described in the state guidance document for 319(h) projects for SFY 2007.
_____ (initial here)
- Applicant commits to conducting an evaluation of the effectiveness of the project, including a commitment to provide monitoring data or other information that documents improvement in water quality, the reduction of pollutant loads, or other project outcomes.
_____ (initial here)
- Applicant agrees that no water quality monitoring data may be collected prior to the Department's approval of a Quality Assurance Project Plan (QAPP). The procedures, number of sampling events, Quality Assurance/Quality Control procedures, as well as all other elements detailed in the approved QAPP will be followed.
_____ (initial here)

I certify that I have read the entirety of this project proposal and that the information in this proposal is complete and accurate. In addition, should this project be funded in the SFY 2007 319(h) grant funding cycle, I acknowledge that this proposal will be converted into a binding contract and that the entity that I represent is committed to fulfilling the contents of that contract.

22) Person w/ Grant Acceptance Authority: _____, _____
(name) (title)

Signature: _____ Date: _____

(Official use only)

Received: _____	Tracking code: _____
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NEW JERSEY'S WATERSHEDS

Where your Quality of Life Begins

SFY 2007 319(h) Grant Application Cover Sheet for Watershed Restoration and Protection Plans

- 1) Watershed Plan Name: _____
 2) Planning Watershed Includes (Indicate Quantities):
 TMDLs: _____ Sublist 5 Impairments: _____ Category One Waterbodies: _____

Applicant Information

- 3) Applicant Organization Name: _____
 4) Organization Address: (street name and #) _____
 (city, state, zip code) _____
 5) Organization Numbers: Phone #: ____ - ____ - _____ Fax #: ____ - ____ - _____
 6) Contact Person: _____, _____
 (name) (title)
 7) Contact's Phone: _____
 8) Contact's Email: _____

Watershed Information

- 9) WMA: _____ 10) Square Miles Covered by Planning Area: _____
 11) River Miles Covered by Planning Area: _____
 12) Lake Acres Covered by Planning Area: _____
 13) HUC 14(s) in Planning Area: _____

- 14) List of All Named Waterbodies in Planning Area:

Waterbody Name

- | | |
|----------|----------|
| A) _____ | F) _____ |
| B) _____ | G) _____ |
| C) _____ | H) _____ |
| D) _____ | I) _____ |
| E) _____ | J) _____ |

Supplemental Integrated List Status for Each Listed Waterbody Found in Appendix _____

- 15) All Counties in Planning Area: _____
 16) All Municipalities in Planning Area: _____

17) Legislative District(s) in Planning Area: _____

Project Information

17) Project Duration in Months: _____

18) Grant Amount Requested: \$ _____ + Local Match: \$ _____ =
Project Total: \$ _____

19a) Total Cost per Square Mile: \$ _____ 19b) 319(h) Cost per Square Mile: \$ _____

Applicant Certifications

The Division of Watershed Management (Division) requires certain standards to be followed. To meet these requirements, applicants must indicate compliance by initialing each statement below. Failure to comply with any of these requirements will render the application ineligible.

- Applicant agrees to follow State and Federal Guidance for watershed planning.
_____ (initial here)
- Applicant commits to providing complete and timely quarterly reports and a final report as described in the state guidance document for 319(h) projects for SFY 2007.
_____ (initial here)
- Applicant commits to conducting an evaluation of the effectiveness of the project, including a commitment to provide monitoring data or other information that documents improvement in water quality, the reduction of pollutant loads, or other project outcomes.
_____ (initial here)
- Applicant agrees that no water quality monitoring data may be collected prior to the Department's approval of a Quality Assurance Project Plan (QAPP). The procedures, number of sampling events, Quality Assurance/Quality Control procedures, as well as all other elements detailed in the approved QAPP will be followed.
_____ (initial here)

I certify that I have read the entirety of this project proposal and that the information in this proposal is complete and accurate. In addition, should this project be funded in the SFY 2007 319(h) grant funding cycle, I acknowledge that this proposal will be converted into a binding contract and that the entity that I represent is committed to fulfilling the contents of that contract.

20) Person w/ Grant Acceptance Authority: _____, _____
(name) (title)

Signature: _____ Date: _____

(Official use only)

Received: _____	Tracking code: _____
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Appendix D

QUALITY ASSURANCE PROJECT PLAN (QAPP)

Guidance for 319(h) Nonpoint Source Projects

A QAPP is a written document that describes the quality assurance procedures, quality control specifications, and other technical activities that must be implemented to ensure that the results of the project or task to be performed will meet project specifications. A QAPP must be submitted by the grantee and approved by the Department prior to any water quality sampling through a 319(h) grant.

Although full development of the QAPP will not be required at the pre-proposal stage, in order to ensure that the basis for the QAPPs have been agreed upon by the applicant and the Department a draft QAPP, providing a detailed version of your sampling plan, must be developed and submitted with the full proposal by the October 25, 2006 deadline.

The following QAPP format is provided to assist 319(h) grantees in developing and packaging the document in order to minimize approval time. Once the draft QAPP is developed under the proposal stage, grantees must submit a request to finalize the draft QAPP to the Department's Project Manager in order to begin the final review process. The project must be at the appropriate stage of completion, as delineated in the project's approved scope of work, for the draft to be finalized. Premature requests to finalize the draft QAPPs will not be reviewed.

No water quality monitoring shall begin until the QAPP has been approved by the Department. Any sampling done prior to securing an approved QAPP will not be considered within the project's scope of work and the Grantee will not receive financial reimbursement for such sampling.

Please Note:

- (1) The Grantee must submit the draft QAPP by October 25, 2006 and must include signatures of the applicant and project partner(s).
- (2) Once the Grantee has received comments from the Department, the Grantee shall revise the QAPP to address said comments and submit the final QAPP to the 319(h) Project Manager.
- (3) The 319(h) Project Manager will secure all Department signatures and provide the Grantee with an approved QAPP.

Unless otherwise approved by the Department, there shall be no less than eight (8) successful sampling events per sampling location per pollutant of concern and associated parameters of interest.

For Grantees unfamiliar with QAPP procedures and protocol, a meeting with Department QAPP staff will be coordinated in order to facilitate this process. Please contact your 319(h) Project Manager to make those arrangements.

The 319(h) QAPP guidance was developed based upon USEPA's document entitled "EPA Requirements for Quality Assurance Project Plans, EPA QA/R-5" (EPA/240/B-01/003). This document, as well as additional information regarding QAPPs, can be found at www.epa.gov/quality/.

QUALITY ASSURANCE PROJECT PLAN (QAPP)

Name of 319(h) Grant
Contract RPF # XXXXXXXX

Prepared by: _____ Date: _____

QAPP Preparer
Affiliation

Reviewed by: _____ Date: _____

Preparer's Organization QA/QC Officer (if there is one)
Affiliation

Reviewed by: _____ Date: _____

319(h) Grantee, 319(h) Grantee

Reviewed by: _____ Date: _____

NJDEP Staff, 319(h) Project Manager
Bureau of Watershed Planning

Reviewed by: _____ Date: _____

Helen Rancan, Statewide NPS Coordinator
Bureau of Watershed Planning

Approved by: _____ Date: _____

Marc Ferko, Quality Assurance Officer
Office of Quality Assurance

Names of other organizations involved in project (such as field operations manager, laboratory managers, State, and Federal agency officials, etc.) should be included on this cover sheet as well as the Distribution List.

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Appendix A – Attachment D (Scope of Work) from executed contract

Appendix B – Map(s) with monitoring locations identified in Section 6

Section 3: Distribution List

Individuals and their organizations who need copies of the approved QAPP and any subsequent revisions.

Name	Organization	Address	e-mail
<i>Project Manager</i>			
<i>QA Officer</i>			
<i>Grantee</i>			
<i>319(h) Project Manager</i>	NJDEP – Division of Watershed Management Bureau of Watershed Planning	401 E. State Street, P.O. Box 418, Trenton, NJ 08625-0418	Fname.Lname@dep.state.nj.us
Helen Rancan	NJDEP – Division of Watershed Management Bureau of Watershed Planning	401 E. State Street, P.O. Box 418, Trenton, NJ 08625-0418	Helen.Rancan@dep.state.nj.us
Marc Ferco	NJDEP – Office of Quality Assurance	PO Box 424 9 Ewing Street, 2nd Fl. Trenton, NJ 08625-0424	Marc.Ferco@dep.state.nj.us

Section 4: Project/Task Organization

Identify individuals or organizations involved in the project and discuss their specific roles and responsibilities. Include the principal data users, the decision makers, the project QA manager, and all persons responsible for implementation. Provide a concise organization chart showing the relationships and the lines of communication among all project participants.

Section 5: PROBLEM DEFINITION/BACKGROUND

State the specific problem to be solved, decision to be made, or outcome to be achieved, include the source and cause of impairments (from 303(d) list), known problems, conflicts or threats (from experience or other studies), and known efforts to address (from experience or other studies).

In Appendix A include Attachment D (approved scope of work) from the executed contract.

Section 6: PROJECT/TASK DESCRIPTION

Describe all work to be performed, products to be produced and the schedule for implementation needed to resolve the problem described in Section 5. **Maps and tables that show and state the geographic locations of field tasks must be provided.**

Section 7: Quality Objectives and Criteria

Describe quality objectives and performance criteria to achieve those objectives.

Section 8: Training Requirements and Certification

Identify and describe any specialized training/certifications needed by personnel in order to successfully complete the project. Discuss the training that will be provided and how the necessary skills will be assured and documented.

Section 9: Documentation and Records

Describe the process and responsibilities for ensuring the appropriate project personnel have the most current approved version of the QAPP, including version control, updates, distribution and disposition.

Itemize the information and records which must be included in the data report package and specify the reporting format for hard copy and any electronic forms. Records can include raw data, data from other sources such as databases or literature, field logs, sample preparation and analysis logs, instrument printouts, model input and output files, and results of calibration and QC checks.

Identify any other records and documents applicable to the project that will be produced, such as audit reports, interim progress reports, and final reports. Specify the level of detail of the field sampling, laboratory analysis, literature or database collection, or modeling documents or records needed to provide a complete description of any difficulties encountered.

Specify or reference all applicable requirements for the final disposition of records and documents, including location and length of retention period.

Section 12: Sample Handling and Custody Procedures

Describe how samples should be handled, transported, and then received in the laboratory or office. Include how handling and custody is documented--through field notebooks or forms, etc--and identify responsible personnel. For parameters measured in this project, provide information on container, volume, initial preservation, and holding times in the table below. Identify chain of custody procedure. Form may be attached.

Table. (Section 12). Sample handling and custody

Parameter	Container	Volume	Initial Preservation	Holding Time

Section 13: Analytical Methods Requirements

Provide reference to the analytical procedures, including field measurements and laboratory that will be used in the study.

Table. (Section 13) Field and Laboratory Analytical Methods

Analyte	Laboratory / Organization	Project Action Limit (units, wet or dry weight)	Project Quantitation Limit (units, wet or dry weight)	Analytical Method		Achievable Laboratory Limits	
				Analytical Method/ SOP	Modified for Method yes/no	MDLs	Method
e.g. pH	Field: monitoring by field staff	6 - 9 pH units	NA	Standard Methods (*) 4500H+B FDCC Field SOP 1	None		
e.g. Total coliform and E. coli	Lab: In-house laboratory	< 20 MPN/100mL for E. coliforms	2 MPN/100mL	Standard Methods 9223B Enzyme substrate method	None	Not applicable	2 MPN/100 mL

(*) Standard Methods for the Examination of Water and Wastewater, 20th edition.

Section 14: Quality Control Requirements

Provide description of QC activities for this project

Table. (Section 14) Sampling (Field) QC

Matrix:		
Sampling SOP:		
Analytical Parameter(s):		
Analytical Method/SOP Reference:		
# Sample locations:		
<i>Field QC</i>	<i>Frequency/Number per sampling event</i>	<i>Acceptance Limits</i>
Equipment Blanks		
Field Blanks		
Trip Blanks		
Cooler Temperature		
Field Duplicate Pairs		
Collocated Samples		
Field Splits		
Field Matrix Spikes		
Other:		

Table. (Section 14) Analytical QC.

Matrix:		
Sampling SOP:		
Analytical Parameter(s):		
Analytical Method/SOP Reference:		
# Sample locations:		
<i>Laboratory QC</i>	<i>Frequency/Number</i>	<i>Acceptance Limits</i>
Method Blank		
Reagent Blank		
Storage Blank		
Instrument Blank		
Lab. Duplicate		
Lab. Matrix Spike		
Matrix Spike Duplicate		
Lab. Control sample		
Surrogates		
Internal Standards		
Others:		

Section 15: Instrument/Equipment Testing, Inspection and Maintenance Requirements

List equipment and provide testing, inspection and maintenance information in narrative form or in table below. Information such as availability/location of spare parts, corrective action should be identified only if these items are not addressed in the SOP.

Table. (Section15) Testing, inspection, maintenance of sampling equipment and analytical instruments

<i>Equipment / Instrument</i>	<i>Maintenance Activity, Testing Activity or Inspection Activity</i>	<i>Responsible Person</i>	<i>Frequency</i>	<i>SOP Reference</i>

Section 16 Instrument/Equipment Calibration and Frequency

Table. (Section 16) Testing, inspection, maintenance of sampling equipment and analytical instruments

<i>Equipment / Instrument</i>	<i>SOP reference</i>	<i>Calibration Description and Criteria</i>	<i>Frequency of Calibration</i>	<i>Responsible Person</i>

Section 17 Inspection/Acceptance Requirements

Provide a list of project supplies (e.g. standard materials and solutions, sample bottles, nets and reagents and consumables) that may directly or indirectly affect the quality of the results, specify criteria for acceptance, and identify persons responsible. Provide the information in narrative form or use table below.

Table. (Section 17) Inspection/acceptance testing requirements for consumables and supplies

<i>Project-Related Supplies / Consumables</i>	<i>Inspection / Testing Specifications</i>	<i>Acceptance Criteria</i>	<i>Frequency</i>	<i>Responsible Individual</i>

Section 18: Data Acquisition Requirements

Provide information on data that will be obtained from existing data sources. Include how the types of data mentioned will be used and its relevance to the project. Describe the measures of data quality that you will use to judge whether the data are acceptable for their intended use. Identify any types of data your project uses that are not obtained through your monitoring activities. Examples include historical information, information from topo maps or aerial photos, or reports from other monitoring groups.

Section 19: Data Management

Trace the path the data take, from field collection and lab analysis to data storage and use. Discuss how accuracy and completeness of field and lab forms will be checked, and how to minimize and correct errors in calculations, data entry to forms and databases, and report writing. Provide examples of forms and checklists. Identify the computer hardware and software that will be used to manage the data. Include the process for assuring that applicable EPA information resource management requirements are satisfied (see EPA Directive 2100). Other EPA standards may apply; all must be satisfied and described in the plan.

Section 20 Assessment and Response Actions

Describe the project assessments planned including type of assessment, frequency and number of assessments and approximate time periods. Also identify individual(s) responsible for conducting assessments. Describe the scope of authority that the reviewer has, and who has the authority to issue a stop-work order. Describe how and to whom assessment information should be reported. Describe process for corrective action. Include how actions are to be addressed, by whom, and how they are verified and documented.

Section 21: Reports

Identify all interim and final reports, including project QA status reports, which will be written during the project term. Identify frequency of reporting, responsible individuals, and report recipients. Information may be provided in narrative or tabular form below:

Table. (Section 21) QA management reports

<i>Type of Report</i>	<i>Frequency (daily, weekly, monthly, quarterly, annually, etc.)</i>	<i>Projected Delivery Dates(s)</i>	<i>Person(s) Responsible for Report Preparation</i>	<i>Report Recipients</i>

Section 22: Data Review, Verification and Validation

Describe the criteria for deciding to accept, reject, or qualify project data in an objective and consistent manner. If applicable, include any subsequent activities and criteria that will review data a second time for data that fails to pass the first review. Procedures are to be discussed in the next element.

Section 23: Validation and Validation Methods

Provide a description of how the project data will be verified and validated. Describe the process to show how errors will be handled and this information given to the data users. Reference and attach any necessary forms and checklists to the QAPP. Identify the individuals to be involved in these efforts. Describe how any issues will be resolved and identify who has the authority for resolving them. Describe how results will be conveyed to data users. Attach copies of the applicable SOPs, checklists, forms, and calculations to be used in an appendix to the QAPP.

Section 24: Reconciliation with Data Quality Objectives

Describe how the results will be evaluated to determine whether the project's objectives have been satisfied. This assures that the data has already met all data quality objectives and other quality issues. The outcome is whether the data does or does not support the original hypothesis or whether the data is not robust enough to make the determination. Describe proposed methods (statistical or scientific) to analyze the data so as to determine possible anomalies or departures from assumptions made when the project was planned. Statistical analyses may include tests for outliers, trends and dispersions. Describe how limitations in data use will be reported to the data users.

Appendix E

Division of Watershed Management

SFY 2007 319(h) Quarterly Reporting Requirements

Title Page or Cover

Title of Project

Grant Project RP Number

Contact person or project manager/address/telephone number of grantee

Report Period

Summary of Progress to Date: Must include major project activities implemented, number of sites addressed, progress in attainment of the project objective, timelines, percentage of task complete, etc.

Slippage Report: Must describe any slippage in project timeline or budget along with an explanation and revised timetable, budget, and new completion schedule. Please note that project no cost time extensions must be applied for through the project manager and will only be granted when the grantee has demonstrated unforeseeable project setbacks. No project will be granted more than one no cost time extension unless an exception is given from the Director of the Division.

Problems/Issues: Must describe any problems encountered in project implementation, such as unanticipated events and their consequences, along with a description of the solutions applied (should cross-reference the slippage report is applicable).

Pollutant Load Reduction Data: Must include information to be used by the Department in modeling pollutant load reductions, for implementation projects only. This section must describe all in-the-ground implementation work performed during the quarter, including: the BMPs installed (e.g. riparian buffer, sand filter, etc.), number of each BMP, and length of BMP installed (e.g. 100 linear feet of riparian buffer).

Additional Information:

- Summary of Activities Planned in Next Project Period
- Attachments (as appropriate)
- Surveys
- Monitoring data and/or results
- Attendance sheets

All Quarterly Reports Must Include an Expenditure Report

An expenditure report, also known as Attachment C in the executed grant agreement, is required to be submitted with every quarterly report. If there are no expenditures for the work period, the Expenditure Report must still be submitted indicating \$0 in the total. Fiscal Information should include: time sheets, phone logs, mileage logs, bills, and receipts for expenditures related to the project.

Appendix F

Division of Watershed Management

SFY 2007 319(h)

Final Report Requirements

The final report must be submitted with three (3) full color hard copies and an electronic version. The report must include the following information:

Front Cover /Title Page

- Project Title
- Project Identification Number
- Identify the number and name of the HUC 11 watershed in which the project is located
- Grantee's name, address, and phone number
- Name/address/telephone number of organization completing the project
- Project Partners names and addresses
- Date of the Report
- Date of Project Completion

Identification and Disclaimer

Identification of funding sources and disclaimer (if required)

Executive Summary

A brief abstract of the project that can also serve as a stand-alone document and includes the following information:

- Description of project area
- Summary of the existing conditions addressed
- A brief summary of the overall project (i.e., its goals, methodology, locations, affected, time frame)
- Highlight major results or outcomes of the project
- Project implications and recommendations

Evaluation Approach and Methodology

Presents a brief background on the method for evaluating project success, possible applications of results, and includes the following:

- List of major questions answered by the evaluation
- Description of the overall evaluation design and schedule of data collection
- Description of the evaluation techniques and targets and why those approaches are an appropriate measure of success.

Results of Project and Evaluation

The project evaluation should include at a minimum the following information:

- A summary of results
- A detailed evaluation of findings, including relevant tables, graphs, charts
- A breakdown of findings by relevant variables
- An integration of results from multiple qualitative and quantitative data sources
- Implications and Recommendations
- A statement of implications of the project
- Specific recommendations for future action
- Suggested means for disseminating project results
- A description of strategies for assuring utilization of project results
- Submission of as-built plans for implementation projects

Appendices

The following two items, at a minimum, shall be included in the final report

- The scope of work which is part of the executed contract and any modifications (approved by the Department).
- A list of all equipment purchased (with associated specification) under the grant and the date in which they were returned to the Department's Division of Watershed Management.

Appendix G

Nationally Mandated Data Elements for Section 319(h) Grants Reporting and Tracking System (GRTS)

The following are mandated reporting elements for State Section 319(h) Programs:

1. Project Identification

NPS Program or Project Title

NPS Category (choose from list)

- a. Primary Category (e.g., agriculture, silviculture, or hydrologic modification)
- b. Secondary Category of Pollution (e.g., non-irrigated crop production, road construction / maintenance, or riparian area degradation)

NPS Functional Category (choose from list)

NPS Waterbody Type (choose from list)

NPS Stream Reach Code (linked to WATERS for easy on-line identification; for estuaries, latitude/longitude are used in lieu of a stream reach code)

Pollutant Type (choose from list)

TMDL Check-off (identifying projects that consist of the development of a NPS TMDL; the development of a watershed-based plan to implement a TMDL; or the actual implementation of such a plan)

Clean Lakes Check-off Boxes (yes/no, and if yes, 3 follow-up questions)

2. Project Description

Best Management Practices (choose from list, or enter a new one if not listed)

Pollutant Type (choose from list)

Project Description (text field with template provided)

3. Accounting for Results on the Ground

a. Load Reductions for Projects Designed to Reduce Nutrients and/or Sediment

- Identify if project is a BMP implementation project for nutrients or sediment
- If so, provide an estimate of sediment and/or nutrient load reductions
- State whether estimate is based on monitoring or modeling
- Name of model

b. Wetlands/Streambanks/Shorelines: Account for feet of streambanks/shorelines restored or protected, and acres of wetlands restored or protected.