

**2006 Section 319 Nonpoint Source (NPS) Projects**  
**\*\*\* Recommended Work Plan Format \*\*\***

**Project Title:** Provide a brief descriptive title of the project that specifically identifies those projects which may have a ground water protection or watershed resource restoration purpose.

**Problem or Need:** Provide a clear statement of the water quality problem(s) and/or pollutant(s) to be addressed by the project. Identify why the project/activity merits consideration for funding. State whether the project is a watershed-based project or is a statewide NPS implementation activity. State whether/how the project supports restoration or pollution abatement called for in an EPA-approved Total Maximum Daily Load. If the project will not implement a TMDL, indicate whether/how the project will restore a year 2004 Section 303d listed water<sup>1</sup> addressed by a basin or watershed plan.

**Agency, Organization or Department Proposing the Project:** Indicate in this section also the specific individual responsible for the project's outcome.

**Previous Accomplishments of Proposer:** Briefly list all previous projects funded under Section 319, the water quality problem(s) addressed, water pollution abatement implemented, waterbody or waterbodies where the NPS abatement was achieved and, the amount of the award. Where possible, list the number of nonpoint sources abated, numerical changes in water quality and the extent (river miles, lake area) restored to full use support.

**Categories & Subcategories of NPS Pollution being Addressed:** Use EPA standard definitions as appropriate (see below).

**Project Purpose & Objectives:** Include a clear statement of the project purpose and project objectives.

**General Project Plan:** Provide an explanation of how the project will be developed and implemented. Include the project period with anticipated project start dates and anticipated project completion dates. Identify the specific waterbody or waterbodies which the project will concern.

**NPS Treatment Goals:** Provide the goal(s) associated with implementation of the practice, measure or technique.

**Measures of Performance or Measures of Success:** Describe how the effectiveness of the project in reducing or controlling NPS pollution and/or restoring watershed resource(s) will be evaluated. If applicable, describe how estimates related to the anticipated sediment or nutrient load reduction resulting from the project would be generated.

**Specific Project Plan:** List in sequence of performance each major project task, the dates between which the task will be performed, the specific output or accomplishment of each task and the cost of each task. Specify if **any** contracts are to be awarded. Identify any contracts or tasks which will require development of Quality Assurance/Quality Control plans associated with environmental data collection in accordance with EPA guidelines. Depending on the size or nature of the project, each work plan should be subdivided into five to twelve discrete, easily identifiable tasks. If the proposal includes stream geomorphic assessment work, the

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<sup>1</sup> The Vermont Water Quality Division is able to determine whether the water quality problem is in a Section 303d listed water. The year 2004 List of Waters is on the Division's web page:  
<http://www.vtwaterquality.org/planning/303dlist.pdf>.

project plan should be developed in accordance with ANR's quality assurance plan for geomorphic assessment protocols.

**Interagency Coordination, Roles & Responsibilities:** Describe the level of participation and type of commitments expected from other agencies, organizations and/or individuals in conjunction with the project.

**Public Participation:** If appropriate, describe how and at what point(s) in the project this activity will be accomplished.

**Expected Benefits:** Reference and elaborate the specific project plan output which describes the magnitude and extent of benefits to be derived following project completion.

**Citation of Project Need:** Provide waterbody reference. Provide page number from applicable documents such as: the EPA-approved TMDL, the ANR adopted basin plan, the 2004 Section 303d List of Waters, the 2004 State List of Other Priority Waters, the 2004 Section 305b Report which establishes a need for your specific project. Identify watershed name and approximate project area.

**Federal & Non-Federal Funds and Overall Budget:** Indicate the amount requested from Section 319 funds. Provide details regarding the project budget in accordance with required table below. Where applicable, describe in detail the source(s) of any non-federal match. Eligible non-federal match can be provided as cash contributions or in-kind services or both.

**Address & Phone Number of Person Responsible for Conduct of the Project:** Person identified will be considered the Project Manager.

**NPS Project Proposals - Budgetary Detail**

Category	Federal Funds*	State Funds	Other	Total
Personnel/salary				
Fringe				
Supplies				
Equipment**				
Travel				
Contractual				
Construction				
Other (specify)				
<b>Total Direct Costs</b>				
Indirect				
<b>Total Costs</b>				

\* - Section 319 funds represent 60% of project

\*\* - Unit costs over \$1,000 must be itemized

Nonpoint Source Categories & Associated Subcategories (as per EPA)

**AGRICULTURE**

non-irrigated crop production  
irrigated crop production  
specialty crop production  
pastureland  
rangeland  
feedlots - all types  
aquaculture  
animal holding/management areas  
manure lagoons

**SILVICULTURE**

harvesting, restoration, residue management  
forest management  
road construction/maintenance

**CONSTRUCTION**

highway/road/bridge  
land development

**URBAN RUNOFF**

storm sewers  
combined sewers  
surface runoff

**RESOURCE EXTRACTION-EXPLORATION-  
DEVELOPMENT**

surface mining  
subsurface mining  
placer mining  
dredge mining  
petroleum activities  
mill tailings  
mine tailings

**LAND DISPOSAL (RUNOFF/LEACHATE  
FROM PERMITTED AREAS)**

sludge  
wastewater  
landfills  
industrial land treatment  
onsite wastewater systems (ie septic tanks)  
hazardous waste  
septage disposal

**HYDROMODIFICATION**

channelization  
dredging  
dam construction  
flow regulation/modification  
bridge construction  
removal of riparian vegetation  
streambank modification/destablization  
draining/filling of wetlands

**OTHER SOURCES**

atmospheric deposition  
waste storage/storage tank leaks  
highway maintenance & runoff  
spills  
in-place contaminants  
natural sources  
recreational activities  
upstream impoundment  
salt storage sites

Watershed-based Plans – nine required components as expressed by EPA 319 Guidance (2004)

- 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 the 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 for 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 or a description) of the critical areas in which those measures will be needed to implement the plan.
- 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. As sources of funding, States should consider the use of their Section 319 programs, State Revolving Funds, USDA'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 their early and continued participation in selecting, designing, and implementing the NPS management measures that will be implemented.
- F. A schedule for implementing the NPS management measures identified in the plan that is reasonably expeditious.
- 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 NPS 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.