

Pollutants Controlled Report

Maine Department of Environmental Protection
NPS Grants Program - Bureau of Land and Water Quality

Purpose of the Pollutants Controlled Report

EPA National 319 Program Guidelines requires all States report estimates of pollutant load reduction and resource protection accomplished during NPS Projects in a national database - the Grant Records Tracking System (GRTS). DEP requires a pollutants controlled report for all NPS Projects involving implementation of BMPs at NPS sites. FMI - refer to the project work plan. DEP requests that Grantees use this Pollutants Control Report form (PCR) to provide this information. Please submit the PCR to DEP before December 31 of each year until completion and closeout of the project.

(Example: accomplishments in 2005 to be submitted to the DEP by December 31, 2005.) Two types of information are needed: (1) pollutant load reduction estimates for NPS Sites treated with BMPs; and (2) acreage and/or lineal footage of wetlands, stream banks, and shoreline protected or restored.

Instructions

1. Pollutant Load Reduction Estimates. BMP implementation projects intended to control sediments and/or nutrients are required to have estimates of the NPS pollutant load reductions achieved. Load reductions are required for sediment (tons/year) and nutrients – phosphorus and/or nitrogen (lbs/year). For each NPS project, a grantee is obliged: (a) identify the method(s) used to estimate NPS load reductions, and (b) estimate the amounts of pollutant load reduced for the year.

DEP recommends using the methods described in the EPA "Region 5 Model" and/or the Water Erosion Prediction Project (WEPP) computer model to estimate NPS load reductions. These models are described at websites <http://it.tetratech-ffx.com/stepl/> and <http://forest.moscowfsl.wsu.edu/fswepp/>, respectively. DEP encourages the use of other accepted estimation methods that are appropriate. Contact DEP for review and approval if you plan to use an alternate estimation method.

- Step 1. Complete "Table 3 - List of NPS Sites & Methods Used". For each NPS site, list a very brief description of the site, the estimation method used; and the estimated pollutant load reduction for sediment and phosphorus. If the BMPs are intended to control nitrogen, then also report nitrogen reduced.
- Step 2. Complete "Table 1 - Pollutant Load Reduction Estimates for NPS Sites Treated with BMPs". Report the total pollutant load reductions for the project for the year. Report the name of the waterbody and associated load reductions for the year. If the project is directed at more than one waterbody, then report the load reductions for each waterbody .

2. Resources Protected or Restored. Complete "Table 2 Wetlands, Streambanks, Shoreline Protected / Restored During This Project". Provide quantitative information about work accomplished during the NPS project to create or restore wetlands, protect stream banks or shoreline, and stabilize stream channels. This information may be estimated from scaled maps or photos if not readily available from documented field measurements (the preferred approach).

3. Submitting the PCR Report. Mail the PCR to the DEP Agreement Administrator for the referenced project. The PCR must be completed and received by DEP no later than December 31 of each year until completion and closeout of the project.

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YEAR: _____

NPS Project ID#: _____ Project Title: _____

Grantee: _____ DEP Agreement Admin: _____

TABLE 1. Pollutant Load Reduction Estimates for NPS Sites Treated with BMPs

Water Body Name	Sediment tons per year	Phosphorus pounds per year	Nitrogen pounds per year
Totals			

TABLE 2. Wetlands, Streambanks, Shoreline Protected / Restored During This Project

Resource	Planned acres	Actual acres	Planned lineal feet	Actual lineal feet
Wetlands restored			not applicable	not applicable
Wetlands created			not applicable	not applicable
Streambank /shoreline protected	not applicable	not applicable		
Stream channel stabilized	not applicable	not applicable		

The estimations in this report were determined using the appropriate estimation model(s) and applied according to the procedures prescribed for the model. To the best of my knowledge these are reasonable estimates using appropriate methods. Documentation is kept on file by the grantee and is available for review by DEP / EPA.

Submitted by (for Grantee): _____ on ___/___/___
Signature Printed Name

Reviewed by (for DEP): _____ on ___/___/___
Signature Printed Name

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NPS Project ID#: _____, for the year _____

TABLE 3. List of NPS Sites and Methods Used

Site ID (name or # from site list)	Brief Description NPS Site	Estimation Method / Sub- Method Used	Tons of Sediment This Year	Pounds of Phosphorus This Year	Pounds of Nitrogen This Year
Jones Road	EXAMPLE..... Stabilize 500 feet of road drainage ditch	R5 / CEE	12.7	1.4	N/A
Totals for the Year:					

Pollutant Load Reduction Estimation Methods

1. Region 5 Model Refer to EPA website <http://it.tetrattech-ffx.com/stepl/> Go to the Region 5 Load Estimation Users Manual, “Michigan Method”.

Descriptors to use for Region 5 Model sub-methods:

R5 / GEE	Gulley Stabilization - uses Gulley Erosion Equation
R5 / CEE	Streambank / Ditchbank and Roadbank Stabilization - uses Channel Erosion Equation
R5 / Fields	Agricultural Fields - uses Revised Universal Soil Loss Equation (RUSLE), sediment delivery ratio and contributing drainage area.
R5 / Filter	Filter Strips - uses relative gross filter strip effectiveness
R5 / Feedlot	Feedlot Pollution Reduction - uses a 12 step method

2. WEPP Model. Refer to USFS website <http://forest.moscowfsl.wsu.edu/fswepp/> Water Erosion Prediction Project (WEPP) computer model