Preparing a Quality Assurance Project Plan (QAPP)
Section 319(h) Grants Program

A Quality Assurance Project Plan (QAPP) is a formal document that clearly identifies the environmental data collection objectives of a section 319(h) project. A QAPP provides specific details on the methods or procedures that will be used to:

- Collect and analyze the data;
- Store, manage, and report the data;
- Insure that data quality is sufficient to meet project needs; and
- Reduce the likelihood of any loss of data.

Federal section 319(h) grant guidelines and Item #31 of your 319(h) sub-grant agreement with Ohio EPA require that a QAPP must be completed whenever some types of new environmental data and measurements are collected as part of the grant funded project and whenever such data is used to draw environmental conclusions. Attachment 1 provides specific examples of types of data and environmental conclusions that require a QAPP. It is important to recognize that a QAPP is required for activities other than just water quality monitoring.

If you are required to submit a QAPP, it must be completed and submitted to Ohio EPA Grant Coordinator within 90 days of the effective date of the sub-grant agreement. If you find that you may be unable to submit the document within 90 days, you must submit a formal written request (using the work plan revision request form) to extend the date. Failure to submit a QAPP in a timely manner may result in delays in payment processing and/or may disqualify some monitoring expenses.

Instructions:

Prior to completing the QAPP, please refer to the USEPA guidance document, “Volunteer Monitor’s Guide to Quality Assurance Project Plans” that is available on-line at [http://www.epa.gov/volunteer/qappcovr.htm](http://www.epa.gov/volunteer/qappcovr.htm). Ohio EPA is required to use this guidance document as the basis for our review and approval of any QAPP documents submitted by Section 319(h) sub-grantees. Regardless of the type of data you intend to collect, please refer specifically to Chapter 4: Elements of a QAPP to determine which elements apply to your particular project. A list of QAPP Elements is provided in Attachment 2.

Should you have questions regarding QAPP submission, please contact Lauren McEleney, Environmental Specialist at 614-644-2865 or the Ohio EPA NPS staff person in your respective District Office. Attachment 3 provides District Office contact information.
Attachment 1

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Data Collection Requiring a QAPP
Examples of data collection requiring a QAPP include:

- Morphologic or hydrologic characteristics
- Surface water chemistry
- Source water monitoring
- Biological monitoring
- Habitat quality assessments
- Sediment sampling and analysis

Environmental Conclusions
Examples of environmental conclusions that may result from data collected as outlined in a QAPP include:

- Water Quality Attainment Status
- Actual Load Reductions vs. Estimated Load Reductions
- Bankfull Elevations
- Stream Morphology Classification
- Confirming Environmental Results of a Project
- Sediment Characterization.

1 Examples of source water monitoring include isotope sampling; monitoring of ambient source water conditions, measuring nitrate or pesticide levels in drinking water wells, etc.
Attachment 2

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Elements of a QAPP
You should use only those elements that apply to your data collection efforts. This information is derived from the USEPA guidance document, “Volunteer Monitor’s Guide to Quality Assurance Project Plans”

PROJECT MANAGEMENT
1. Title and Approval Page
2. Table of Contents
3. Distribution List
4. Project/Task Organization
5. Problem Identification/Background
6. Project/Task Description
7. Data Quality Objectives for Measurement Data
8. Training Requirements/Certification
9. Documentation and Records

MEASUREMENT and DATA ACQUISITION
10. Sampling/Data Collection Process Design
11. Sampling/Data Collection Methods Requirements
12. Sample/Data Collection Handling and Custody Requirements
13. Sample/Data Analysis Methods
14. Quality Control Requirements
15. Data Collection Instrument/Equipment Testing, Inspection, and Maintenance Requirements
16. Data Collection Instrument Calibration and Frequency
17. Inspection/Acceptance Requirements for Supplies
18. Data Acquisition Requirements
19. Data Management

ASSESSMENT and OVERSIGHT
20. Assessment and Response Actions
21. Reports

DATA VALIDATION and USABILITY
22. Data Review, Validation, and Verification Requirements
23. Validation and Verification Methods
24. Reconciliation with Data Quality Objectives
Ohio EPA District Office Nonpoint Source Field Staff
(i.e., Ohio EPA Area Assistance Team members):

Ohio EPA Northwest District Office
Katie McKibben
347 North Dunbridge Road
Bowling Green, OH 43402
katie.mckibben@epa.state.oh.us
(419) 352-3013

Ohio EPA Northeast District Office
Mark Bergman
2110 East Aurora Road
 Twinsburg, OH 44087
mark.bergman@epa.state.oh.us
(330) 963-1215

Ohio EPA Central District Office
Vince Mazeika
50 West Town Street, Suite 700
Columbus, OH 43216-1049
vince.mazeika@epa.state.oh.us
(614) 728-3855

Ohio EPA Southwest District Office
Hugh Trimble
401 East Fifth Street
Dayton, OH 45402
hugh.trimble@epa.state.oh.us
(937) 285-6444

Ohio EPA Southeast District Office
Dan Imhoff
2195 Front Street
Logan, OH 43138
dan.imhoff@epa.state.oh.us
(740) 380-5232

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