



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 SOIL AND WATER CONSERVATION PROGRAM
WATER QUALITY MONITORING WORKSHEET

FOR OFFICE USE ONLY	
DATE RECEIVED	
ALL DOCUMENTATION RECEIVED	
Yes	No

INSTRUCTIONS: This worksheet is to be completed for only those projects proposing to conduct water quality monitoring. The worksheet is to be completed by the applicant and submitted with the *Nonpoint Source Implementation and Watershed Based Planning Grant Applications*. The purpose of this monitoring worksheet is to assist the applicant with the necessary information to properly plan, schedule, and budget for a monitoring event and to prepare for the future development of a [quality assurance project plan](#).

1. SPONSORING AGENCY INFORMATION

NAME OF SPONSORING ORGANIZATION

2. PROJECT INFORMATION SUMMARY

NAME OF PROJECT

PROJECT START DATE (MM/DD/YYYY)	PROJECT END DATE (MM/DD/YYYY)
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3. MONITORING BUDGET

Federal Budget Categories	Section 319 Federal Funds Requested	Nonfederal Match [[40/60] x (319 Funds Requested)]	Other Match
Salary	\$	\$	\$
Fringe	\$	\$	\$
Travel	\$	\$	\$
Equipment (over \$5000)	\$	\$	\$
Supplies	\$	\$	\$
Contractual	\$	\$	\$
Other	\$	\$	\$
Total (verify all calculations)	\$	\$	\$

4. MONITORING INFORMATION

NOTE: IF MONITORING IS TO BE CONDUCTED, A QUALITY ASSURANCE PROJECT PLAN (QAPP) WILL BE REQUIRED. SCHEDULE AND BUDGET FOR THIS TASK AS NECESSARY.

A. DESCRIBE THE WATER QUALITY PROBLEM(S) OR ISSUE(S) AND ANY PERTINENT BACKGROUND INFORMATION.

B. EXPLAIN THE GOALS AND OBJECTIVES OF THE WATER QUALITY MONITORING EFFORTS AND HOW THEY WILL ADDRESS THE WATER QUALITY PROBLEM(S).

C. PROVIDE A BRIEF OVERVIEW OF WHAT DECISIONS WILL BE MADE FROM THE INFORMATION OBTAINED FROM THE MONITORING EFFORTS.

D. DESCRIBE THE TYPE OF WATER QUALITY DATA THAT WILL BE COLLECTED OR THAT IS NEEDED (E.G., FLOW, NUTRIENTS, TURBIDITY, BACTERIA, ETC.) AND A BRIEF OVERVIEW OF HOW THESE PARAMETERS WERE SELECTED.

E. HOW WILL WATER QUALITY INFORMATION BE ACQUIRED (E.G., FIELD MONITORING, REVIEWING PAST DATA, REFERENCING JOURNAL ARTICLES, ETC.)? PROVIDE A BRIEF OVERVIEW OF ALL METHODS TO BE USED TO ACQUIRE ENVIRONMENTAL DATA FOR THIS PROJECT.

F. HOW MANY STREAM OR LAKE LOCATIONS WILL BE MONITORED, AND HOW OFTEN WILL THEY BE MONITORED (E.G., WEEKLY, MONTHLY, ETC.)? PROVIDE A BRIEF OVERVIEW OF HOW THE MONITORING LOCATIONS WERE SELECTED AND HOW THE SAMPLING FREQUENCY WAS DETERMINED.

G. WHERE WILL MONITORING OCCUR (WITH REGARD TO PROBLEM OR ISSUE YOU ARE TRYING TO ADDRESS)? PROVIDE A LIST OF THE PROPOSED MONITORING LOCATIONS AND A MAP.

H. WILL THE INFORMATION BE ADEQUATE TO MAKE ACCURATE DETERMINATIONS OF PROBLEM(S) OR IMPROVEMENTS? FOR INSTANCE HAS THE PROJECT CONSIDERED THE NUMBER OF MINIMUM SAMPLES NEEDED, ANALYTICAL DETECTION LIMITS, SAMPLE FREQUENCY, STREAM FLOW CONDITIONS, AND SEASONS FOR WHICH SAMPLES NEED TO COLLECTED TO ALLOW FOR ACCURATE DATA INTERPRETATION?

I. PROVIDE A BRIEF EXPLANATION OF HOW WILL THE DATA BE COMPARED TO REFERENCE OR CONTROL, OR COMPARED TO UPSTREAM OR DOWNSTREAM CONDITIONS.

J. BRIEFLY DESCRIBE WHO WILL BE CONDUCTING THE FIELD WORK AND LABORATORY WORK AND THEIR EXPERIENCE.

K. BRIEFLY DESCRIBE WHAT TYPE OF WATER QUALITY EQUIPMENT/INSTRUMENTS WILL BE USED OR NEEDED FOR FIELD COLLECTION AND LABORATORY ANALYSIS.

L. BRIEFLY DESCRIBE HOW THE REPORTED DATA WILL BE STATISTICALLY ANALYZED, INTERPRETED, OR ASSESSED, AND THE FINDINGS REPORTED.

M. BRIEFLY DESCRIBE THE TYPES OF QUALITY CONTROL EFFORTS WILL BE IN PLACE TO SUPPORT THE QUALITY AND VALIDITY OF THE DATA OBTAINED (E.G. FIELD DUPLICATES AND LABORATORY DUPLICATES, REPLICATES, SPIKED SAMPLES, ETC.). WHAT PROCEDURES WILL BE FOLLOWED FOR SAMPLES THAT FALL OUTSIDE OF THE ACCEPTABLE QUALITY CONTROL LIMITS?