

# CD-Rom Tool Table of Contents

## Overall Introduction

[QAPP Development Tool Introduction](#)

## Table of Contents:

### Module 1. Guidance on Preparing a QA Project Plan

#### Module 2. QA Project Plan Template

[QA Project Plan Template Introduction](#)

[MS Word: QA Project Plan Template](#)

#### Module 3. Model QA Project Plan

[Model QA Project Plan Introduction](#)

[Model QA Project Plan: Eagle Valley Reservation Monitoring of Surface Water](#)

#### Module 4. References and Links

[References & Links](#)

##### -Requirements/Specifications:

[EPA QA/R-2, EPA Requirements for Quality Management Plans](#)

[EPA QA/R-5, EPA Requirements for Quality Assurance Project Plans](#)

##### - Primary Guidance:

[EPA QA/G-5, Guidance for Quality Assurance Project Plans](#)

[The Volunteer Monitor's Guide to Quality Assurance Project Plans, EPA](#)

[Generic Quality Assurance Project Plan Guidance for Programs Using Community Level Biological Assessment in Wadeable Streams and Rivers, EPA](#)

##### - Secondary Guidance:

[EPA QA/G-4, Guidance for the Data Quality Objectives Process](#)

[EPA QA/G-4HW, Data Quality Objectives Process for Hazardous Waste Site Investigations](#)

[EPA QA/G-6, Guidance for Preparing Standard Operating Procedures](#)

[EPA QA/G-7, Guidance on Technical Audits and Related Assessments](#)

[EPA QA/G-8, Guidance on Environmental Data Verification and Data Validation](#)

[EPA QA/G-9, Guidance for Data Quality Assessment: Practical Methods for Data Analysis](#)

[Quality Assurance Guidance for Conducting Brownfields Assessments, EPA](#)

Guidance for QA Project Plan Development for EPA-Funded Cooperative Agreements with State & Tribal Agencies for the Conduct of FIFRA Pesticide Programs, EPA

**-Supplemental Technical Information:**

California Stream Bioassessment Procedure, California Department of Fish & Game

Statistical Methods in Water Resources, USGS

National Recommended Water Quality Criteria: 2004, EPA

Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Third Edition, EPA

Volume 1. Fish Sampling and Analysis

Volume 2. Risk Assessment and Fish Consumption Limits

WEB: USGS/Water Resources-Office of Water Quality, National Field Manual for the Collection of Water-Quality Data, Book 9, Handbook for Water-Resources Investigations

USGS/Water Supply Paper 2175. Measurement and Computation of Stream Flow

WEB: Volume 1: Measurement of Stage and Discharge

WEB: Volume 2: Computation of Discharge

WEB: Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Invertebrates, and Fish, EPA

Volunteer Stream Monitoring: A Methods Manual, EPA

Volunteer Lake Monitoring: A Methods Manual, EPA

Methods for Biological Sampling and Analysis of Maine's River and Streams, MDEP

WEB: Water on the Web – (Website only)

WEB: Vermont Department of Environmental Conservation Geomorphic Assessment

WEB: Watershed Analysis and Management (WAM) Guide of Tribes, EPA

**- Analytical References:**

Handbook for Analytical Quality Control in Water and Wastewater Laboratories, EPA

40 CFR Chapter 1, (1 July 2003); Subchapter D - Water Programs

Part 136 - Guidelines Establishing Test Procedures for the Analysis of Pollutants

Part 141.23 - Inorganic Chemical Sampling and Analytical Requirements

Part 141.24 Organic Chemicals, Sampling and Analytical Requirements

Other Analytical Information Available on the Internet

WEB: [Nationwide Information on National Environmental Laboratory Accreditation](#)

WEB: [Index to EPA Test Methods, April 2003 revised edition, EPA–New England](#)

WEB: [Analytical Methods Developed by the Office of Groundwater and Drinking Water, EPA](#)

WEB: [Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA](#)

WEB: [Water Science Analytical Methods, EPA](#)

WEB: [National Environmental Methods Index](#)

**- Other Tools:**

WEB: [US EPA-New England: Beginner's Guide to Preparing Quality Assurance Project Plans for Environmental Projects](#)

[Data Verification and Validation Form, 29 Palms Laboratory](#)

MS WORD: [Data Evaluation/Documentation Form, EPA-New England](#)

PROGRAM FILE: [Converting Units Tool](#)

[Introduction to Excel Spreadsheets](#)

**- Organizational Website Links:**

WEB: [EPA-New England/Region 1 Quality Assurance](#)

WEB: [EPA Region 3 Environmental Science Center, Quality Assurance Team](#)

WEB: [EPA Region 7 Quality Assurance](#)

WEB: [EPA Region 9 Quality Assurance](#)

WEB: [EPA Region 10 Quality Assurance](#)

WEB: [EPA Tribal Air Monitoring Support Center – Northern Arizona University](#)

WEB: [29 Palms of Mission Indians](#)

## **Module 5. Standard Operating Procedures**

[Standard Operating Procedures Introduction](#)

**- Field Measurements:**

[Turbidity, 29 Palms Band](#)

[Conductivity, 29 Palms Band](#)

[pH, 29 Palms Band](#)

[Dissolved Oxygen, 29 Palms Band](#)

[pH and Dissolved Oxygen, EPA Region 6](#)

Multi-Parameter Measurement, EPA Region 9

Multi-Parameter Calibration, EPA Region 1

**- Global Positioning Systems**

GPS Data Collection using Trimble, 29 Palms Band

GPS Data Collection using Garmin, 29 Palms Band

**- Sample Handling and Preservation (Tables):**

Sample Handling and Preservation, 29 Palms Band

Sample Collection Parameters, EPA CLP

Inorganic Analyses

Organic Analyses

Field QC and Lab QC Sample Collection Requirements

Sample Handling and Preservation, EPA Region 6

**- Miscellaneous Field Procedures:**

General Sampling, EPA ERT

Equipment Decontamination

Sampling Equipment Decon, EPA ERT

Sampling Equipment Decon, EPA Region 9

Stream Gage Measurements, 29 Palms Band

Stream Flow Measurement, EPA Region 6

Electrofishing, EPA Region 1

Boat Transport & Operation for Sampling, EPA Region 1

Canopy Cover and Gradient/Slope Estimation, EPA Region 6

**- Surface Water Sampling:**

General Methods

Surface Water Sampling, 29 Palms Band

Surface Water Sampling, EPA ERT

Chemical and Biological Ambient Water Sampling, EPA Region 1

Surface Water Sampling, EPA Region 9

Methods Associated with Low Level Metals Analysis

Water-Quality Samples for Dissolved Metals-in-Water, EPA Region 6

Low Level Metals Ambient Water Sampling, EPA Region 1

Trace Level Clean Metals Sampling, EPA Region 9

**- Sediment Sampling:**

Sediment Sampling, EPA ERT

Soil, Sediment, and Solid Waste Sampling, EPA Region 1

Sediment Sampling, EPA Region 9

**- Groundwater Sampling:**

Equipment

Coleman Generator, 29 Palms Band

Generac EXL Generator System, 29 Palms Band

Redi-Flow Performance Pump, 29 Palms Band

Monitoring Well Installation & Activities

Geoprobe Operation, EPA ERT

Well Installation using a Geoprobe, EPA Region 1

Pressure Transducer Maintenance, 29 Palms Band

Static Water Level Determination, 29 Palms Band

Water Level Measurement, EPA ERT

Well Development, EPA ERT

Sampling

Ground Water Sampling, 29 Palms Band

Groundwater Well Sampling, EPA ERT

Groundwater Sampling, EPA Region 1

Groundwater Well Sampling, EPA Region 9

Low Flow Purging & Sampling, EPA Region 1

**- Soil Sampling:**

General Methods

Soil Sampling, EPA ERT

Soil Sampling, EPA Region 9

Soil Sampling for Volatile Compounds, EPA Region 9

**- Miscellaneous/Documentation:**

Sample Login, Tracking, and Disposition, EPA Region 1

Chain of Custody of Samples, EPA Region 1

Document Control, EPA Region 1

**- Website Links:**  
[EPA ERT SOPs](#)

## **Module 6. Selecting an Environmental Laboratory**

[Technical and Logistical Qualifications](#)

[Quality System Documentation](#)

[Other Factors](#)