

# Brownfields Quality Assurance Training – New EPA Region 2 Brownfields QA Documents

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# Overview – Brownfields Quality Assurance Process

- EPA Requirement – 40 CFR Part 31.45
- Collection of environmental data to make decisions
- Region 2 Brownfields Planning Document for Site-Specific QAPPs and QAPP Templates
- Grant Recipient and their Environmental Consultant

# What is a Quality Assurance Project Plan (QAPP)?

- The Project Plan - Blueprint
- The QA Steps to Support the Plan – Checkpoints
  - Project Oversight & Communication
  - Quality Control Samples
  - Data Checks
  - Data Verification & Validation
- Standard Operating Procedures – Documented Steps



# Site-Specific Brownfields QAPP

- Required QAPP Elements:
  - Project Management/Objectives
  - Measurement/Data Acquisition
  - Assessment/Oversight
  - Data Review

# Crosswalk

## Brownfields Site-Specific QAPP Requirement Summary

<b>Project Management/Objectives</b>		
Section 1	Title and Approval Page	Template #1
Section 2	Project Organization/Responsibility	Templates #2a and #2b
Section 3	Problem Definition/Project Quality Objectives	Templates #3a and #3b
Section 4	Project Timeline	Template #4
<b>Measurement/Data Acquisition</b>		
Section 5	Sampling and Analytical Requirements	Templates #5a, #5b, #5c, #5d, #5e
Section 6	Project Specific Method and SOP Reference	Template #6
Section 7	Field Equipment Calibration/Corrective Action	Template #7
Section 8	Laboratory Equipment Calibration/Corrective Action	Template #8
Section 9	Sample Handling and Custody Requirements	Templates #9a and #9b
Section 10	Field/Analytical Laboratory Quality Control Summary	Template #10
Section 11	Data Management and Documentation/Project Reports	Templates #11a and #11b

# Crosswalk

## Brownfields Site-Specific QAPP Requirement Summary

### Assessment/Oversight (Optional)

Section 12	Planned Project Assessments	Template #12a
Section 12	Assessment Findings/Corrective Action Responses	Template #12b

### Data Review

Section 13	Project Data Validation Process (Step I)	Template #13a
Section 13	Project Data Validation Process (Step IIa and Step IIb)	Template #13b
Section 13	Project matrix/Analytical validation (Step IIa and Step IIb)	Template #13c
Section 13	Usability Assessment	Template #13d



# Hiring Quality Contractors

- Environmental Consulting Firms
- Environmental Laboratory



# Site-Specific Templates

- Background
  - Interagency Data Quality Task Force (IDQTF)
  - Triagency Workgroup – EPA, Department of Defense and Department of Energy
  - Consistent QA Program
  - Uniform Federal Policy (UFP)-QAPP – National Consensus Document
  - Region 2 adopted UFP-QAPP for Brownfields
  - Consistent Format and Expedite the Review





# Review - New Documents

- EPA Region 2 Brownfields Planning Document for Site-Specific QAPPs
- Brownfields Site-Specific QAPP Templates



# Contact Information

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# Questions?

