



2003 AFCEE Technology Transfer Workshop

San Antonio, Texas

Promoting Readiness through Environmental Stewardship

USING THE AFCEE QAPP ON PROJECTS

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AFCEE QAPP and Data Quality

- **USAF Goal is Data Comparability**
 - **30-40 AFCEE laboratories**
 - **300 USAF bases**
 - **50 State Regulators**
 - **10 USEPA Regional Regulators**
- **AFCEE Goal is to Provide Consistent Data Quality**
Guidance for all USAF Base Projects and Manage the USAF Data Quality Cost Effectively



Can QAPPs be Project Specific?

- **Yes, there are Variances due to State Requirements**
 - **Alaska requires AK 101, 102 and 103 for TPH**
 - **Texas requires TX 1005 for TPH**
- **Yes, there are Variances due to USEPA Regional 1-10**
 - **USEPA Region 9 has specific PRGs for analytes**
- **Yes, there are Variances for each laboratory**
 - **Labs have statistical variations for methods QC**



Who establishes the AFCEE QAPP?

- **AFCEE Program manager with technical support**
 - **AFCEE Technical Support Contractor Scientists provide guidance**
 - **AFCEE ERS Scientists provide oversight and guidance**
- **Prime Contractors manage and prepare the project specific QAPPs**
- **Subcontract Laboratories Submit Input on Analytical Capabilities for the QAPP**



Who approves the AFCEE QAPP?

- **AFCEE Program Manager**
- **USAF Base RPM**
- **AFCEE Prime Contractor Project Manager**
- **USEPA Regional Project RPM**
- **State Regulator RPM**



What is a Project Specific QAPP?

- **Project QAPP has unique sampling site matrices and sampling technique requirements**
- **Unique state or territory analytical requirements**
- **Unique laboratory Reporting Limits, Control Limits and data quality issues**
- **Unique Regulatory requirements MCLs, PRGs, Cleanup Levels**



Preparing a Project Specific QAPP

- **Variations for analytical acceptance criteria should be reasonable and be able to provide acceptable results**
- **Variations to analytical requirements should be approved and be accepted by all stakeholders and documented for the project**
- **Variations may include unique MCLs, PRGs, and Cleanup Levels**



Summary of Adapting AFCEE QAPP

- **Each project should use the AFCEE QAPP 3.1 as guidance**
- **All project specific requirements including sample containers and the appropriate sampling technique should be in the project specific QAPP**
- **All variances to analytical procedures and regulatory requirements such as cleanup levels should be documented in the QAPP**