

User ID: BJA

CERTIFICATION EVALUATION AND CONCURRENCE

Report Request ID: 1329787

Report Code: AMP600

Apr. 30, 2015

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	37	067									

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration

CRITERIA

SELECTED OPTIONS

Option Type	Option Value
MERGE PDF FILES	YES
AGENCY ROLE	CERTIFYING

DATE CRITERIA

Start Date	End Date
2014	2014

Data Evaluation and Concurrence Report Summary

Certification Year: 2014

Certifying Agency (CA): Forsyth County Environmental Affairs Department (0403)

Pollutants in Report:

<u>Parameter Name</u>	<u>Code</u>	<u>Monitors Evaluated</u>	<u>Monitors Recommended for Concurrence by AQS</u>	<u>Monitors NOT Recommended for Concurrence by AQS</u>
Carbon monoxide	42101	1	1	0
Nitrogen dioxide (NO2)	42602	1	1	0
Ozone	44201	4	4	0
PM10 Total 0-10um STP	81102	1	1	0
PM2.5 - Local Conditions	88101	4	3	1
Sulfur dioxide	42401	1	1	0

PQAOs in Report:

<u>PQAO Name</u>	<u>PQAO Code</u>	<u>TSA Date</u>
North Carolina Dept Of Environment And Natural Resources	0776	09/11/12

Summary of 'N' flags for all pollutants:

<u>PQAO</u>	<u>Code</u>	<u>AQS Site-ID</u>	<u>POC</u>	<u>AQS Recommended Flag</u>	<u>Cert. Agency Recommended Flag</u>	<u>Reason for AQS Recommendation</u>
0776	88101	37-067-0022	5	N	Y	Flow Rate Audit completeness < 65%.
0776	88101	37-067-0022	5	N	Y	Annual Summary completeness < 70%.

Signature of Monitoring Organization Representative: _____

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2014
Certifying Agency Code Forsyth County Environmental Affairs Department (0403)
Parameter Carbon monoxide (42101) (ppm)

PQAO Name North Carolina Dept Of Environment And Natural Resources (0776)
QAPP Approval Date 11/06/2006

NPAP Audit Summary:

Number of Valid Audits	NPAP Bias	Criteria Met
2	-.06336	Y

AQS Site ID	POC Monitor Type	Routine Data						One Point Quality Check			Annual PE		NPAP		QAPP Appr.	Concur. Flag		
		Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	Precision	Bias	Complete	Bias	Complete	Bias	PQAO Level Criteria		Aqs Rec Flag	CA Rec Flag	Epa Concur
37-067-0023	1 SLAMS	0.343	0.250	2.600	0	0	99	5.35	+/-1.22	100	1.51	100	- 0.21	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2014
Certifying Agency Code Forsyth County Environmental Affairs Department (0403)
Parameter Nitrogen dioxide (NO2) (42602) (ppb)

PQAO Name North Carolina Dept Of Environment And Natural Resources (0776)

QAPP Approval Date

<u>NPAP Audit Summary:</u>	Number of Valid Audits	NPAP Bias	Criteria Met
	1	72.0218	Y

AQS Site ID	POC Monitor Type	Routine Data					One Point Quality Check			Annual PE		NPAP		QAPP Appr.	Concur. Flag			
		Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	Precision	Bias	Complete	Bias	PQAO Level Criteria	Aqs Rec Flag		CA Rec Flag	Epa Concur		
37-067-0022	1 SLAMS	6.4	-2.0	51.0		0	94	2.62	+/-2.58	100	-1.88	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2014
Certifying Agency Code Forsyth County Environmental Affairs Department (0403)
Parameter Ozone (44201) (ppm)

PQAO Name North Carolina Dept Of Environment And Natural Resources (0776)
QAPP Approval Date 11/06/2006

NPAP Audit Summary:

Number of Valid Audits	NPAP Bias	Criteria Met
10	-1.5509	Y

AQS Site ID	POC Monitor Type	Routine Data						One Point Quality Check			Annual PE		NPAP		Concur. Flag			
		Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	Precision	Bias	Complete	Bias	Complete	Bias	PQAO Level Criteria	QAPP Appr.	Aqs Rec Flag	CA Rec Flag	Epa Concur
37-067-0022	1 SLAMS	0.052	0.013	0.075	0	0	99	3.39	+5.40	100	0.63	100		Y	Y	Y	Y	S
37-067-0028	1 SLAMS	0.050	0.011	0.072	0	0	99	1.81	+1.62	100	3.78	100	- 3.77	Y	Y	Y	Y	S
37-067-0030	1 SLAMS	0.054	0.013	0.079	0	0	99	2.47	+2.82	100	7.28	100	- 5.00	Y	Y	Y	Y	S
37-067-1008	1 SLAMS	0.054	0.018	0.087	0	0	99	2.80	+/-2.49	100	1.88	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2014
Certifying Agency Code Forsyth County Environmental Affairs Department (0403)
Parameter Sulfur dioxide (42401) (ppb)

PQAO Name North Carolina Dept Of Environment And Natural Resources (0776)
QAPP Approval Date 11/06/2006

NPAP Audit Summary:

Number of Valid Audits	NPAP Bias	Criteria Met
1	-6.8063	Y

AQS Site ID	POC Monitor Type	Routine Data						One Point Quality Check			Annual PE		NPAP		QAPP Appr.	Concur. Flag		
		Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	Precision	Bias	Complete	Bias	Complete	Bias	PQAO Level Criteria		Aqs Rec Flag	CA Rec Flag	Epa Concur
37-067-0022	1 SLAMS	0.4	- 0.2	19.3		0	99	1.51	+1.61	100	- 6.02	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2014

Certifying Agency: Forsyth County Environmental Affairs Department (0403)

Parameter: PM10 Total 0-10um STP (81102) CONTINUOUS
PQAO Name: North Carolina Dept Of Environment And Natural Resources (0776)
Quality Assurance Project Plan Approval Date: 11/06/2006

Monitors Summaries

AQS Site ID	POC	Monitor Type	Routine Data (ug/m3)						Flow Rate Verification		Flow Rate Audit		QAPP Appr.	Concurrence Flag		
			Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	Bias	% Complete		AQS Rec Flag	CA Rec Flag	EPA Rec Concur
37-067-0022	1	SLAMS	12.71	-1.0	105.0	0	89	+/-1.70	100	-0.74	100	Y	Y	Y	S	

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: North Carolina Dept Of Environment And Natural Resources (0776)
Quality Assurance Project Plan Approval Date: 11/06/2006

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	29	4	9	100	17.44	18.21	Y
170	2	1	1	100	14.54	15.92	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
2	0	8	7	87.5	+2.60	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3)						Flow Rate Audit		Collocation			PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag		
				Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met			AQS Rec Flag	CA Rec Flag	EPA Rec Concur
37-067-0022	1	118	SLAMS	9.03	1.5	24.7	0	89	+1.27	100			Y	Y	Y	Y	Y	S	
37-067-0030	1	118	SLAMS	8.68	2.4	20.0	0	95	-0.95	100	5.30	100	Y	Y	Y	Y	Y	S	
37-067-0030	2	118	SLAMS	7.95	1.9	19.7	0	100	-0.31	100			Y	Y	Y	Y	Y	S	
37-067-0022	5		SLAMS				0	0	+/-	0			Y	Y	Y	N	Y	S	

Submitter Comment: We are going to correct the parameter code for our CSN Speciation sampler which currently is listed with the 88101 POC5 code in AQS. All speciation data for 2014 will be extracted and reentered using the correct coding. It will then show up under the 88502 POC5 code. It will not show up on future AMP 600 reports.

Data Concurrence and Evaluation Report for Lead