

User ID: AQQ

CERTIFICATION EVALUATION AND CONCURRENCE

Report Request ID: 1204560

Report Code: AMP600

Apr. 25, 2014

GEOGRAPHIC SELECTIONS

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

37

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
--------------------------	-----------	--------	----------

CRITERIA

AGENCY SELECTIONS

Forsyth County Environmental Affairs Department

SELECTED OPTIONS

Option Type	Option Value
MERGE PDF FILES	YES
AGENCY ROLE	CERTIFYING

DATE CRITERIA

Start Date	End Date
2013	2013

Data Evaluation and Concurrence Report Summary

Certification Year: 2013

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	5	0	5
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>Parameter 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	42602	37-067-0022	1	Y	Y	Quality Assurance Project Plan not approved in 10 years.
0776	88101	37-067-0022	1	N	Y	Quality Assurance Project Plan not approved in 10 years.
0776	88101	37-067-0022	2	N	Y	Annual Summary completeness < 70%.
0776	88101	37-067-0022	2	N	Y	Quality Assurance Project Plan not approved in 10 years.
0776	88101	37-067-0030	2	N	N	Quality Assurance Project Plan not approved in 10 years.
0776	88101	37-067-0022	5	N	Y	Quality Assurance Project Plan not approved in 10 years.
0776	88101	37-067-0030	1	N	Y	Quality Assurance Project Plan not approved in 10 years.
0776	88101	37-067-0030	2	N	N	Annual Summary completeness < 70%.
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 2013
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
0		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 Eval.
37-067-0023	1 SLAMS	0.350	0.250	2.400	0	0	98	0.73	+/-0.78	100	0.64	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2013
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

NPAP Audit Summary:

Number of Valid Audits	0	NPAP Bias	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	PQAO Level Criteria	QAPP Appr.	Aqs Rec Flag	CA Rec Flag	Epa Eval.
37-067-0022	1 SLAMS	6.1	- 1.0	41.0		0	92	9.30	+/-8.13	100	- 1.27	100	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2013
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	1.88679	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 Eval.
37-067-0022	1 SLAMS	0.3	- 0.3	9.0		0	99	1.63	+/-1.41	100	0.20	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2013

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		Concurrence Flag			
			Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	Bias	% Complete	QAPP Appr.	AQS Rec Flag	CA Rec Flag
37-067-0022	1	SLAMS	12.02	.0	84.0	0	98	+/-1.45	100	-0.98	100	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2013

Certifying Agency: Forsyth County Environmental Affairs Department (0403)

Parameter: PM2.5 - Local Conditions (88101)

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

Quality Assurance Project Plan Approval Date: 01/16/2002

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	32	5	10	100	16.84	17.46	Y
170	2	1	1	100	19.07	20.94	Y

PEP Summary

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

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3)					Flow Rate Audit		Collocation			Concurrence Flag				
				Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	% Bias	% Complete	PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Rec Eval.	
37-067-0022	1	118	SLAMS	8.30	.9	24.9	0	94	+1.34	100			Y	Y	N	N	Y	S
Submitter Comment:				Forsyth County North Carolina Continues to adopt the PM 2.5 QAPP, RO-11/24/1998 of North Carolina Department of Natural Resources, Division of Air Quality. This QAPP was approved by EPA in 1998, 2002 and 2006. Pertinent Sections of this QAPP, section 2.					EPA Comment:									
37-067-0022	2		SLAMS				0	0	-0.48	100			Y	Y	N	N	Y	S
Submitter Comment:				Forsyth County North Carolina continues to adopt the PM 2.5 QAPP, RO-11/24/1998 of North Carolina Department of Environment and Natural Resources, Division of Air Quality. This QAPP was approve by EPA in 1998, 2002 and 2006. Pertinent sections of this QA					EPA Comment:									
37-067-0022	5		SLAMS				0	0	-2.54	100			Y	Y	N	N	Y	S
Submitter Comment:				Forsyth County North Carolina continues to adopt the PM 2.5 QAPP, RO-11/24/1998 of the North Carolina Department of Environment and Natural Resources, Divisoin of Air Quality. This QAPP was Approved by EPA in 1998, 2002 and 2006. Pertinent sections of t					EPA Comment:									

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2013

Certifying Agency: Forsyth County Environmental Affairs Department (0403)

Parameter: PM2.5 - Local Conditions (88101)

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

Quality Assurance Project Plan Approval Date: 01/16/2002

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	32	5	10	100	16.84	17.46	Y
170	2	1	1	100	19.07	20.94	Y

PEP Summary

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

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3)						Flow Rate Audit		Collocation			PEP	QAPP	Concurrence Flag		
				Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	% Bias	% Complete	% CV	% Complete	PQAO Crit. Met	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Rec Eval.
37-067-0030	1	118	SLAMS	8.33	.5	23.2	0	94	-0.72	100	9.00	100	Y	Y	N	N	Y	S	
Submitter Comment: Forsyth County North Carolina continues to adopt the PM 2.5 QAPP , RO-11/24/1998 of the North Carolina Department of Natural Resources, Diision of Air Quality. This QAPP was approved by EPA in 1998, 2002 and 2006. Pertinent sections of this QAPP, sections								EPA Comment:											
37-067-0030	2		SLAMS				0	0	-0.18	100			Y	Y	N	N	N	S	
Submitter Comment: N/A There is no such Monitor within the Network. It needs to be deleted from the Network.								EPA Comment:											

Data Concurrence and Evaluation Report for Lead