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Division of Air Quality Analysis
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December 9, 2011

Ms. Gwendolyn Keyes Fleming
US EPA, Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303

Ms. Fleming:

In order to make Quality Assured and Certified data available for use in support of boundary and designation submittals and consistent with the requirements of 40 CFR §58.15, with this letter I certify that the South Carolina SLAMS ambient concentration data and the quality assurance data for the Ozone sites and monitors included in the attached summary reports for the period of April 1 through October 31, 2011 (the South Carolina Ozone Monitoring Season) are completely submitted to AQS and are accurate to the best of my knowledge, taking into consideration the quality assurance findings. Summary reports generated through AQS for this criteria pollutant should provide accurate summary statistics for the State of South Carolina.

Consistent with the 2006 revisions of §58, I am also certifying all South Carolina Special Purpose Monitor (SPM) Ozone monitoring data collected using reference or equivalent methods. All South Carolina SPM ozone monitors are operated consistent with the requirements of 40 CFR §58 Appendix A.

As fulfillment of the requirements for submission for annual data and precision and accuracy summaries for these parameters, I have attached copies of a recent Quick Look Report (AQS AMP 450) for all SLAMS and SPM ozone monitors and data collected by South Carolina DHEC for the 2011 Ozone Monitoring Season. The file containing the Precision and Accuracy summary report for those monitors (AQS AMP 255), including the data from the monitor audits immediately following the close of the ozone season, is attached to the copies of this letter forwarded electronically to the Region 4 and OAQPS contacts.

Sincerely yours,

Scott A. Reynolds, Director
Division of Air Quality Analysis

Attachment

cc: Mr. David Lutz, Data Certification Contact
Ambient Air Monitoring Group, OAQPS (electronic)
Doug Neeley, Chief, APTMB, US EPA Region IV
Darren Palmer, EPA Region IV (electronic)
Robert J. Brown, Director, DAPDO
SC DHEC BAQ (w/o attachments)

User ID: EWE

QUICKLOOK ALL PARAMETERS

Report Request ID: 930235

Report Code: AMP450NC

Nov. 18, 2011

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	Method	Duration	Begin Date	End Date
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45

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
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ALL 44201

SELECTED OPTIONS

Option Type	Option Value
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
MERGE PDF FILES	YES

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	POC
6	DATES
7	EDT_ID

GLOBAL DATES

Start Date	End Date
2011	2011

APPLICABLE STANDARDS

Standard Description
Ozone 8-Hour 2008

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Nov. 18, 2011

EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
2	EVENTS INCLUDED
5	EVENTS WITH CONCURRENCE EXCLUDED

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Nov. 18, 2011

Parameter	Unit	P O C	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	EDT Cmt
Site ID: 45-001-0001	City: Due West												
	County: Abbeville												
	Address: 59 JIM SCOTT LANE												
44201 Ozone	Parts per million	1	0971	2011	047	5353	.066	.060	.058	.058	.0431	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-003-0003	City: Jackson												
	County: Aiken												
	Address: 8217 ATOMIC ROAD (INDIAN DRIVE - SCHOOL)												
44201 Ozone	Parts per million	2	0971	2011	047	5567	.073	.070	.069	.069	.0472	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-007-0005	City: Not in a city												
	County: Anderson												
	Address: 215 McAlister Road												
44201 Ozone	Parts per million	1	0971	2011	047	5597	.085	.077	.076	.076	.0505	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-015-0002	City: Not in a city												
	County: Berkeley												
	Address: River Oak Drive (Goose Creek)												
44201 Ozone	Parts per million	1	0971	2011	047	5624	.067	.066	.065	.065	.0412	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-019-0046	City: Not in a city												
	County: Charleston												
	Address: 390 BULLS ISLAND ROAD (AWENDAW)												
44201 Ozone	Parts per million	1	0971	2011	047	5773	.069	.067	.067	.066	.0428	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-021-0002	City: Not in a city												
	County: Cherokee												
	Address: MCGINNIS ROAD (OLD SC 110)												
44201 Ozone	Parts per million	1	0971	2011	047	5353	.089	.073	.071	.070	.0480	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-025-0001	City: Not in a city												
	County: Chesterfield												
	Address: RT 2 BOX 100 MCBEE (SC145)												
44201 Ozone	Parts per million	1	0971	2011	047	5788	.073	.071	.067	.066	.0468	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-029-0002	City: Not in a city												
	County: Colleton												
	Address: Ashton Road (Islandton)												

Note: The * indicates that the mean does not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Nov. 18, 2011

Parameter	Unit	P O C	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	EDT Cert
Site ID: 45-029-0002	City: Not in a city												
			County: Colleton				Address: Ashton Road (Islandton)						
44201 Ozone	Parts per million	2	0971	2011	047	5634	.066	.065	.064	.063	.0412	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-031-0003	City: Not in a city												
			County: Darlington				Address: 2200 POCKET ROAD (DARLINGTON)						
44201 Ozone	Parts per million	1	0971	2011	047	5542	.077	.072	.071	.070	.0488	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-037-0001	City: Not in a city												
			County: Edgefield				Address: 660 WOODYARD ROAD						
44201 Ozone	Parts per million	1	0971	2011	047	5811	.066	.065	.064	.064	.0449	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-045-0016	City: Simpsonville												
			County: Greenville				Address: 510 Garrison Road						
44201 Ozone	Parts per million	1	0971	2011	047	5383	.079	.071	.071	.068	.0492	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-045-1003	City: Not in a city												
			County: Greenville				Address: 7401 Mountain View Road						
44201 Ozone	Parts per million	1	0971	2011	047	5280	.068	.067	.066	.066	.0466	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-051-0003	City: Not in a city												
			County: Horry				Address: 1241 Green Sea Road						
44201 Ozone	Parts per million	1	0971	2011	047	5397	.067	.067	.064	.064	.0441	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-073-0001	City: Not in a city												
			County: Oconee				Address: ROUND MOUNTAIN TOWER ROAD (Mountain Rest, SC)						
44201 Ozone	Parts per million	1	0971	2011	047	5629	.072	.070	.061	.061	.0424	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-077-0002	City: Not in a city												
			County: Pickens				Address: 106 HOPEWELL ROAD						

Note: The * indicates that the mean does not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Nov. 18, 2011

Parameter	Unit	P O C	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	EDT Cert
Site ID: 45-077-0002	City: Not in a city												
		County:	Pickens									Address: 106 HOPEWELL ROAD	
44201 Ozone	Parts per million	1	0971	2011	047	5753	.082	.077	.075	.075	.0509	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-077-0003	City: Not in a city												
		County:	Pickens									Address: 901 Allgood Bridge Road	
44201 Ozone	Parts per million	1	0971	2011	047	5349	.075	.075	.074	.074	.0499	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-079-0007	City: Dentsville (Dents)												
		County:	Richland									Address: 8311 PARKLANE ROAD	
44201 Ozone	Parts per million	1	0971	2011	047	5389	.079	.079	.078	.077	.0515	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-079-0021	City: Not in a city												
		County:	Richland									Address: 1850 SOUTH CEDAR CREEK ROAD (GADSDEN)	
44201 Ozone	Parts per million	1	0971	2011	047	5740	.066	.062	.062	.062	.0416	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-079-1001	City: Not in a city												
		County:	Richland									Address: 900 CLEMSON ROAD	
44201 Ozone	Parts per million	1	0971	2011	047	5484	.085	.082	.082	.081	.0522	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-083-0009	City: Not in a city												
		County:	Spartanburg									Address: 1556 JOHN DODD ROAD	
44201 Ozone	Parts per million	1	0971	2011	047	5533	.088	.084	.082	.081	.0531	8-HR RUN AVG BEGIN HOUR	0
Site ID: 45-091-0006	City: Not in a city												
		County:	York									Address: 2316 CHESTER HIGHWAY (US 321)	
44201 Ozone	Parts per million	1	0971	2011	047	5662	.069	.067	.066	.065	.0413	8-HR RUN AVG BEGIN HOUR	0

Note: The * indicates that the mean does not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Nov. 18, 2011

METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
44201	047	INSTRUMENTAL	ULTRA VIOLET

Note: The * indicates that the mean does not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Nov. 18, 2011

PQAOS USED IN THIS REPORT

PQAO	AGENCY DESCRIPTION
0971	South Carolina Department Health And Environmental Control

Note: The * indicates that the mean does not satisfy summary criteria.

User ID: EWE

DATA QUALITY INDICATOR REPORT

Report Request ID: 930227

Report Code: AMP255

Nov. 18, 2011

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	Method	Duration	Begin Date	End Date
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45

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
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APP_A_PARAMETERS 44201

SELECTED OPTIONS

Option Type	Option Value
INCLUDE ONLY APPENDIX A MONITORS	NO
RESTRICT TO MONITORING SEASONS	YES
MERGE PDF FILES	YES

GLOBAL DATES

Start Date	End Date
2011 04 01 Q2	2011 12 31 Q4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

DATA QUALITY INDICATOR REPORT

Nov. 18, 2011

Notes About this Report

For specific information about the fields appearing within this report, please refer to the README.txt file that is included with the WORKFILE output for this report.

M

If you see this value for a column in a summarized row, this means that more than one occurrence exist in the summary. For example, if you have a PQAO summary that spans multiple States, you would see this value in the States column.

Code Listing

The following codes may be seen in the "MT" column throughout this report. Please be advised that not all of the codes may appear in the report. They are provided for completeness.

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
NR	NON-REGULATORY	S	SLAMS
P	PAMS	T	TRIBAL MONITORS
SP	SPECIAL PURPOSE	I	IMPROVE
NC	NCORE	IX	INDEX SITE
ID	INDUSTRIAL	N	NAMS
NA	NATTS	CN	CASTNET
F	NON-EPA FEDERAL	O	OTHER
PN	PROPOSED NCORE	ST	SCHOOL AIR TOXICS
VS	VOL SCHOOL AT	QA	QA COLLOCATED
X	SECURED	SS	SLAMS SPECIATION
SU	SUPLMNTL SPECIATION	SU	SUPPLMNTL SPECIATION
TS	TRENDS SPECIATION	U	UNKNOWN
UP	UNOFFICIAL PAMS	W	WHO
M	WMO		

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM**

DATA QUALITY INDICATOR REPORT

Nov. 18, 2011

1-Point Quality Control

Pollutant: O3

PQAO: 0971 (South Carolina Department Health And Environmental Control)

App A?: No

<u>Year</u>	<u>Region</u>	<u>State</u>	<u>Site ID</u>	<u>POC</u>	<u>MT</u>	<u>Begin Date</u>	<u>End Date</u>	<u># Req</u>	<u># Obs</u>	<u>% Complete</u>	<u>CV</u>	<u>Bias</u>
2011	04	SC	45-021-0002	1	NR-SP	01-APR-11	31-OCT-11	15	15	100	4.47	+ 5.22
2011	04	SC	45-051-0003	1	NR	01-APR-11	31-OCT-11	15	15	100	6.21	+/- 5.07
2011	04	SC	45-073-0001	1	NR-SP	01-APR-11	31-OCT-11	15	15	100	4.65	- 4.00
2011	04	SC	SUMMARY					45	45	100	5.04	+/- 4.18
SUMMARY	04	SC						45	45	100	5.04	+/- 4.18

Pollutant: O3

PQAO: 0971 (South Carolina Department Health And Environmental Control)

App A?: Yes

<u>Year</u>	<u>Region</u>	<u>State</u>	<u>Site ID</u>	<u>POC</u>	<u>MT</u>	<u>Begin Date</u>	<u>End Date</u>	<u># Req</u>	<u># Obs</u>	<u>% Complete</u>	<u>CV</u>	<u>Bias</u>
2011	04	SC	45-001-0001	1	S	01-APR-11	31-OCT-11	15	15	100	8.41	+/- 6.49
2011	04	SC	45-003-0003	2	S	01-APR-11	31-OCT-11	15	14	93	6.25	+/- 5.38
2011	04	SC	45-007-0005	1	S	01-APR-11	31-OCT-11	15	15	100	3.87	+/- 3.04
2011	04	SC	45-015-0002	1	S	01-APR-11	31-OCT-11	15	15	100	4.61	+/- 3.59
2011	04	SC	45-019-0046	1	S	01-APR-11	31-OCT-11	15	16	100	4.26	+/- 4.16
2011	04	SC	45-025-0001	1	SP	01-APR-11	31-OCT-11	15	15	100	4.43	+/- 3.56
2011	04	SC	45-029-0002	2	SP	01-APR-11	31-OCT-11	15	14	93	5.88	+/- 4.55
2011	04	SC	45-031-0003	1	S	01-APR-11	31-OCT-11	15	15	100	5.17	+/- 4.08
2011	04	SC	45-037-0001	1	S	01-APR-11	31-OCT-11	15	15	100	7.03	+/- 5.52
2011	04	SC	45-045-0016	1	S	01-APR-11	31-OCT-11	15	15	100	5.29	+/- 5.24
2011	04	SC	45-045-1003	1	S	01-APR-11	31-OCT-11	15	15	100	4.83	+/- 3.95
2011	04	SC	45-077-0002	1	S	01-APR-11	31-OCT-11	15	15	100	3.72	+ 4.20
2011	04	SC	45-077-0003	1	S	01-APR-11	31-OCT-11	15	15	100	4.88	+ 4.96
2011	04	SC	45-079-0007	1	S-NC	01-APR-11	31-OCT-11	15	15	100	3.76	+ 6.03
2011	04	SC	45-079-0021	1	SP	01-APR-11	31-OCT-11	15	15	100	4.79	+/- 3.87
2011	04	SC	45-079-1001	1	S	01-APR-11	31-OCT-11	15	15	100	5.92	+/- 6.15
2011	04	SC	45-083-0009	1	S	01-APR-11	31-OCT-11	15	15	100	5.85	+ 6.41
2011	04	SC	45-091-0006	1	S	01-APR-11	31-OCT-11	15	15	100	6.61	+/- 5.29
2011	04	SC	SUMMARY					270	269	99	4.52	+/- 3.86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

DATA QUALITY INDICATOR REPORT

Nov. 18, 2011

1-Point Quality Control

Pollutant: O3

PQAO: 0971 (South Carolina Department Health And Environmental Control)

App A?: Yes

<u>Year</u>	<u>Region</u>	<u>State</u>	<u>Site ID</u>	<u>POC</u>	<u>MT</u>	<u>Begin Date</u>	<u>End Date</u>	<u># Req</u>	<u># Obs</u>	<u>% Complete</u>	<u>CV</u>	<u>Bias</u>
SUMMARY	04	SC						270	269	99	4.52	+/- 3.86

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM**

DATA QUALITY INDICATOR REPORT

Nov. 18, 2011

Annual Performance Evaluations

Pollutant: O3

PQAO: 0971 (South Carolina Department Health And Environmental Control)

App A?: No

Year	Region	State	Site ID	POC	MT	Begin Date	End Date	Avg %D / Level					Obs / Q				Criteria Met?	1-Point Conf. Limits		% Btwn Conf.		
								L1	L2	L3	L4	L5	Q1	Q2	Q3	Q4		Lower	Upper			
2011	04	SC	45-021-0002	1	NR-SP	01-APR-11	31-OCT-11			1.84				2.09	0	9	11	2	N			
2011	04	SC	45-051-0003	1	NR	01-APR-11	31-OCT-11			2.05				2.15	0	9	13	4	N			
2011	04	SC	45-073-0001	1	NR-SP	01-APR-11	31-OCT-11			-2.00				-1.88	0	8	9	2	N			
2011	04	SC	SUMMARY							0.63				0.79	0	26	33	8	0	-7.08	9.92	97
SUMMARY	04	SC								0.63				0.79	0	26	33	8	0	-7.08	9.92	97

Pollutant: O3

PQAO: 0971 (South Carolina Department Health And Environmental Control)

App A?: Yes

Year	Region	State	Site ID	POC	MT	Begin Date	End Date	Avg %D / Level					Obs / Q				Criteria Met?	1-Point Conf. Limits		% Btwn Conf.		
								L1	L2	L3	L4	L5	Q1	Q2	Q3	Q4		Lower	Upper			
2011	04	SC	45-001-0001	1	S	01-APR-11	31-OCT-11			1.02				2.09	0	10	10	2	N			
2011	04	SC	45-003-0003	2	S	01-APR-11	31-OCT-11			3.10				1.23	0	11	10	4	N			
2011	04	SC	45-007-0005	1	S	01-APR-11	31-OCT-11			0.56				0.14	0	12	10	2	N			
2011	04	SC	45-015-0002	1	S	01-APR-11	31-OCT-11			4.25				0.85	0	9	8	2	N			
2011	04	SC	45-019-0046	1	S	01-APR-11	31-OCT-11			-0.68				1.35	0	8	10	2	N			
2011	04	SC	45-025-0001	1	SP	01-APR-11	31-OCT-11			0.04				1.31	0	16	11	2	N			
2011	04	SC	45-029-0002	2	SP	01-APR-11	31-OCT-11			-2.20				0.64	0	10	13	3	N			
2011	04	SC	45-031-0003	1	S	01-APR-11	31-OCT-11			-0.52				1.91	0	16	10	6	N			
2011	04	SC	45-037-0001	1	S	01-APR-11	31-OCT-11			0.22				0.89	0	10	13	4	N			
2011	04	SC	45-045-0016	1	S	01-APR-11	31-OCT-11			3.52				2.71	0	11	12	4	N			
2011	04	SC	45-045-1003	1	S	01-APR-11	31-OCT-11			0.55				-0.93	0	8	12	2	N			
2011	04	SC	45-077-0002	1	S	01-APR-11	31-OCT-11			3.39				2.50	0	8	11	2	N			
2011	04	SC	45-077-0003	1	S	01-APR-11	31-OCT-11			0.45				3.74	0	9	9	2	N			
2011	04	SC	45-079-0007	1	S-NC	01-APR-11	31-OCT-11			5.22				4.54	0	9	11	2	N			
2011	04	SC	45-079-0021	1	SP	01-APR-11	31-OCT-11			3.67				-0.56	0	8	7	2	N			
2011	04	SC	45-079-1001	1	S	01-APR-11	31-OCT-11			6.50				4.04	0	6	13	4	N			
2011	04	SC	45-083-0009	1	S	01-APR-11	31-OCT-11			1.37				2.37	0	9	6	4	N			
2011	04	SC	45-091-0006	1	S	01-APR-11	31-OCT-11			1.06				0.14	0	9	10	2	N			
2011	04	SC	SUMMARY							1.75				1.61	0	179	186	51	0	-6.80	9.92	97
SUMMARY	04	SC								1.75				1.61	0	179	186	51	0	-6.80	9.92	97