Data Certification in AQS

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Data Certification: The Basics

- Formal statement attesting to ambient data completeness and accuracy
- Submitted by monitoring agencies to EPA on annual basis
- Process that combines a required action followed by a discretionary EPA review

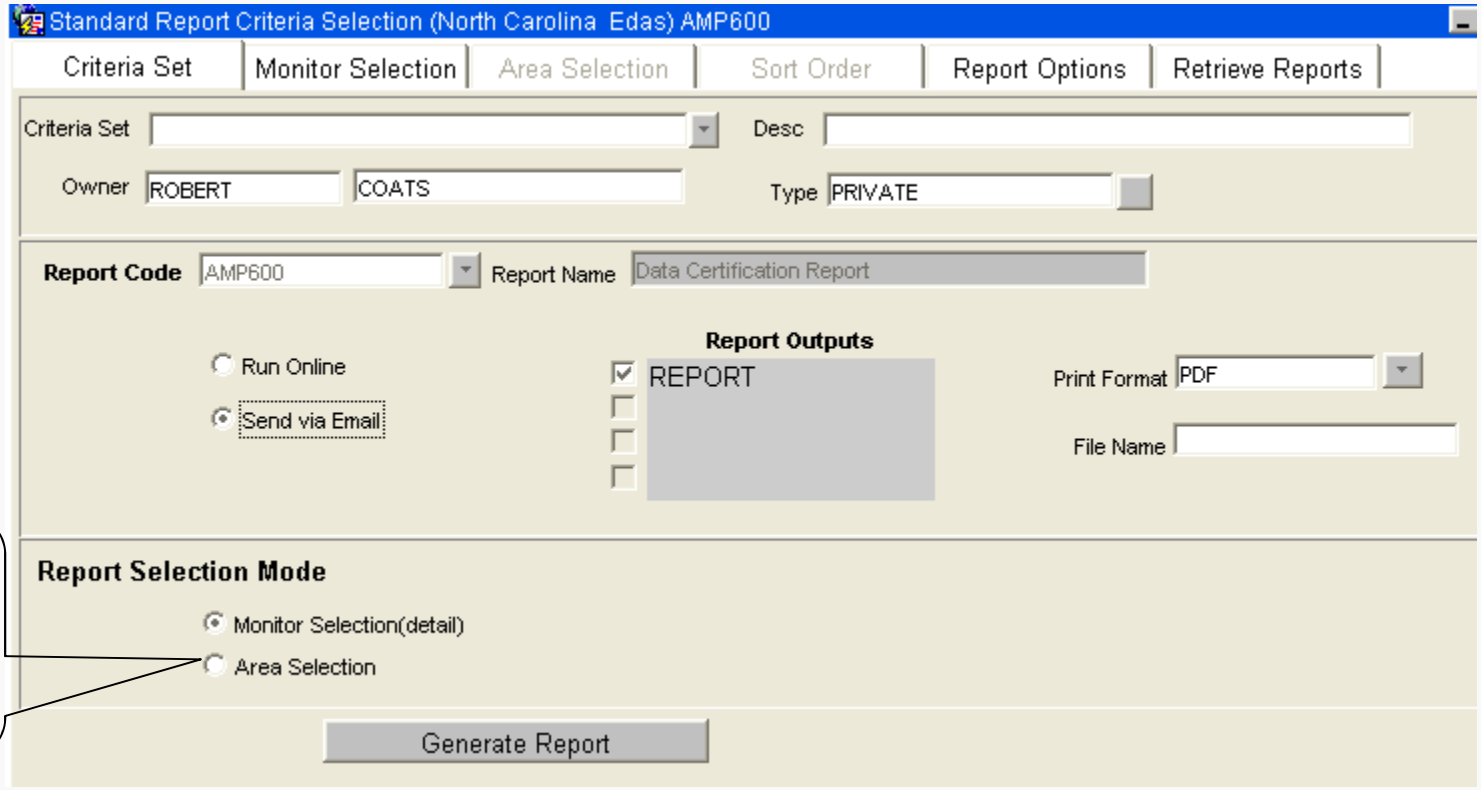
Preliminaries: What should a certifying agency do?

1. Review the Certifying Agency role assignments:
   a) Run the AQS Monitor Description Report – Will show all Agency Roles for each monitor (AMP390)
   b) Compare against Monitoring Network Plan
2. Use AQS (Batch MD transaction or Maintain Monitor) to correct any discrepancies.
   a) Assumption: The monitor belongs to the Screening Group for the certifying agency or an agency that is subordinate to them.

The Procedure: What does an agency do?

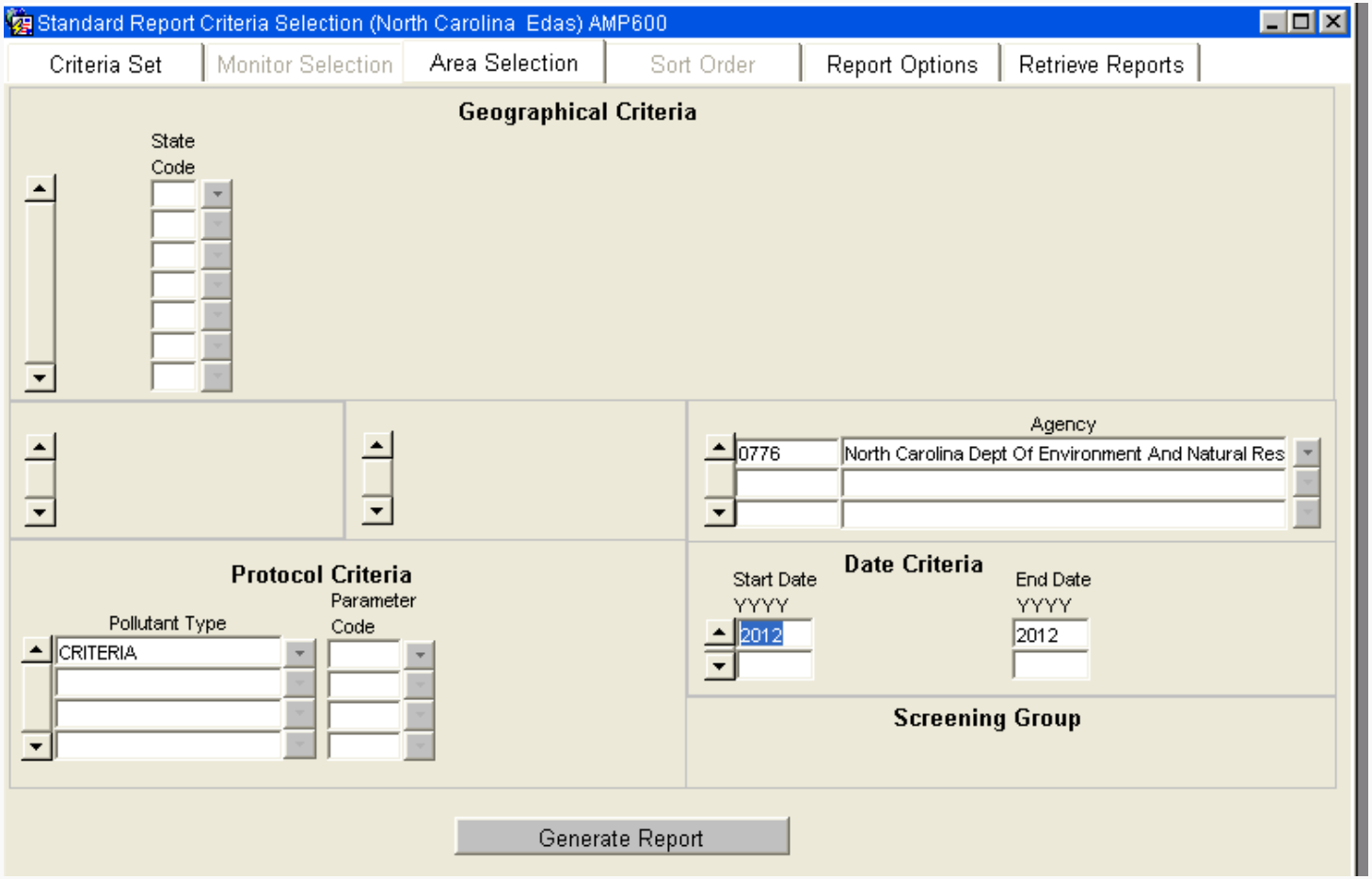
1. Conduct and complete ambient air quality monitoring and QA as per 40 CFR Part 58 and submit all relevant data to AQS.
2. Run the Data Certification Report (AMP600) for your Certifying Agency.
   a) This will calculate a recommended certification flag for each monitor-year based on Part 58 criteria and display the results for all monitors and PQAOs associated with the Certifying Agency.

Requesting a Data Certification Report



Must Click here

Request Criteria



The Procedure – Part 2: Data Review

3. Review the certification report. For 'N' recommendations:
   a) Has any ambient monitoring data not yet been submitted?
   b) Has any QA/QC data (e.g. Precision and Accuracy transactions) not been submitted?
   c) Should any ambient monitoring data be invalidated and removed from AQS based on QA/QC results?
4. Make corrections to AQS data as needed.
5. If you are perplexed about a result on the AMP600 and want background data, run an AMP256 (Data Quality Indicator) Report.
6. Rerun certification report and verify results are final.

Certification Report Summary

Mar. 2

Certification Year: 2012
Certifying Agency: Maine D.E.P. Bureau Of Air Quality Control, Augusta (0635)

Pollutants in Report:

Parameter Name	Code	Number of Monitors	Monitors Certified	Monitors Not Certified
PM2.5 - Local Conditions	88101	12	8	4

PQAOs in Report:

PQAO Name	PQAO Code	QAPP Approval Date	TSA Date
Maine D.E.P. Bureau Of Air Quality Control, Augusta	0635	10/15/11	09/27/12

Summary of 'N' flags for all pollutants:

PQAO	Parameter Code	AQS Site-ID	POC	AQS Recommended Certification	Cert. Agency Requested Certification	Reason for Recommendation Against Certification
0635	88101	23-003-0014	1	N		Annual Summary completeness < 70%.

Certification Report for Particulate Matter

Certifying Year: 2012
Certifying Agency: Maine D.E.P. Bureau Of Air Quality Control, Augusta (0635)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: Maine D.E.P. Bureau Of Air Quality Control, Augusta (0635)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
117	2	1	1	100	6.19	8.55	Y
118	7	1	1	100	8.10	10.09	Y

PEP Summary

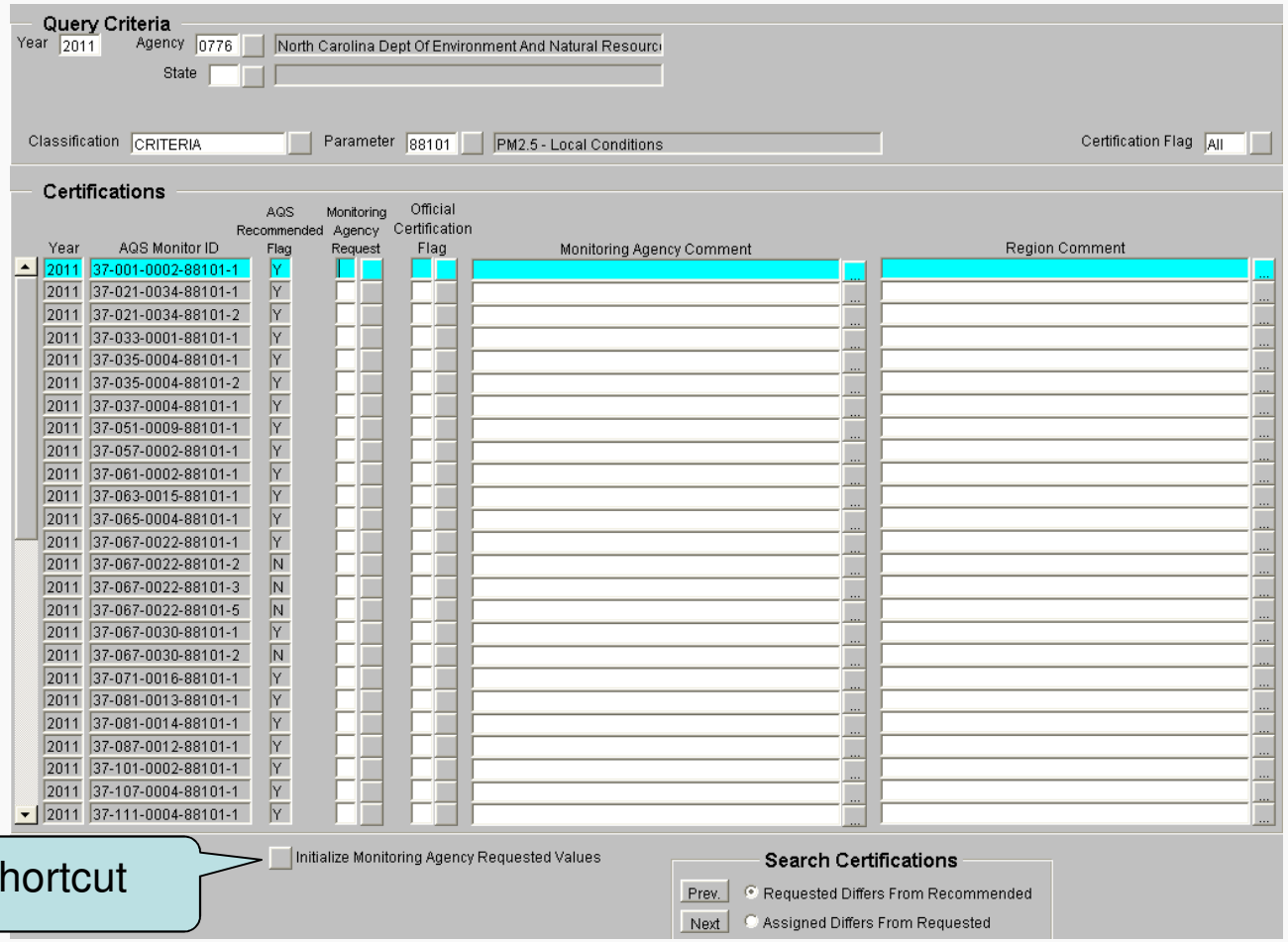
# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
2	1	8	6	75	+3.05	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	Flow Rate Audit % Complete	Collocation CV	Collocation % Complete	Collocation PQAO Crit. Met	PEP PQAO Crit. Met	Certification AQS Rec Value	Certification Req Value	Certification EPA Value
23-001-0011	1	118	SLAMS	7.10	1.4	20.7		0	75	+0.93	100			Y	Y	Y		

The Procedure – Part 3: Indicating request in AQS:

1. Access the Certification Form in AQS
2. Query the data for your certifying agency / year.
   a) Can subset data by pollutant
3. Use the “shortcut” button at the bottom of the form, “Initialize monitoring agency requested values”
4. If you want to request a change to the recommended value:
   a) Scroll to the line to be changed
   b) Change the “Monitoring Agency Request” column value
   c) Enter the justification in the Monitoring Agency Comment
5. When you are done, click save.


Query Criteria
Year 2011
Agency 0776
North Carolina Dept Of Environment And Natural Resourc
State
Classification CRITERIA
Parameter 88101
PM2.5 - Local Conditions
Certification Flag All
Certifications
Year
AQS Monitor ID
AQS Recommended Flag
Monitoring Agency Request
Official Certification Flag
Monitoring Agency Comment
Region Comment
2011 37-001-0002-88101-1 Y
2011 37-021-0034-88101-1 Y
2011 37-021-0034-88101-2 Y
2011 37-033-0001-88101-1 Y
2011 37-035-0004-88101-1 Y
2011 37-035-0004-88101-2 Y
2011 37-037-0004-88101-1 Y
2011 37-051-0009-88101-1 Y
2011 37-057-0002-88101-1 Y
2011 37-061-0002-88101-1 Y
2011 37-063-0015-88101-1 Y
2011 37-065-0004-88101-1 Y
2011 37-067-0022-88101-1 Y
2011 37-067-0022-88101-2 N
2011 37-067-0022-88101-3 N
2011 37-067-0022-88101-5 N
2011 37-067-0030-88101-1 Y
2011 37-067-0030-88101-2 N
2011 37-071-0016-88101-1 Y
2011 37-081-0013-88101-1 Y
2011 37-081-0014-88101-1 Y
2011 37-087-0012-88101-1 Y
2011 37-101-0002-88101-1 Y
2011 37-107-0004-88101-1 Y
2011 37-111-0004-88101-1 Y
Initialize Monitoring Agency Requested Values
Search Certifications
Prev.
Next
Requested Differs From Recommended
Assigned Differs From Requested

Shortcut

The Procedure – Part 4: Reports for Certification Package

1. Run the AMP600 report one last time to include with certification letter.
   a) Report will show both AQS recommended value and Certifying Agency requested value, and Certifying Agency comments when different.
2. Run the AMP450NC report for non-criteria pollutants.