Air Quality System Precision and Accuracy Data Transaction Generator

(AQSP&A)



Training Session



Overview of AQSP&A

- Background
- Setting up the application
- Functionality
- Questions





Background

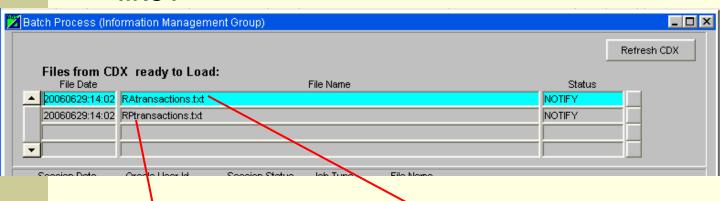
- How does AQSP&A fit in with AQS?
- Hardware and Operating Systems





Background

What do RA and RP Transactions look like?



RA)||30|013|0001|42101|1|1|1|007|093|||20060401|AUDIT AND CERT BY RO|LAMINAR FLOW ELEMENT|ANALYTICAL|PE||||5|5|18|18|37|37|||||

This transaction wraps around for display only... it is one continuous text line when submitted to AQS Load.

RP||30|013|0001|42101|1|1|1|007|093|20060401|5||5||



Background (cont.)

What do RA and RP Transactions look

```
<?xml version="1.0" encoding="UTF-8" ?>
- <aqs: AirQualitySubmission xmlns: aqs="http://www.exchangenetwork.net/schema/AQS/Submission/2"</li>
   xmlns:sc="urn:us:net:exchangenetwork:sc:1:0" xmlns:xsi="http://www.w3.org/2001/XML8chema-instance"
   xsi:schemaLocation="http://www.exchangenetwork.net/schema/AQS/Submission/2
   http://www.exchangenetwork.net/schema/AQS/Submission/2/" ags:Version="2.0">
   <aqs:FileGenerationPurposeCode>AQS</aqs:FileGenerationPurposeCode>
   <aqs:FileGenerationDateTime>2007-10-30T11:12:12</aqs:FileGenerationDateTime>
 - <aqs:FacilitySiteList>
   - <aqs:SiteIdentifierDetails>
       <aqs:StateCode>30</aqs:StateCode>
       <aqs:CountyCode>013</aqs:CountyCode>
       <aqs:FacilitySiteIdentifier>0001</aqs:FacilitySiteIdentifier>
     </aqs:SiteIdentifierDetails>
   - <aqs: MonitorList>
     - <aqs: MonitorIdentifierDetails>
         <aqs:SubstanceIdentifier>42101</aqs:SubstanceIdentifier>
         <aqs:SubstanceOccurrenceCode>1</aqs:SubstanceOccurrenceCode>
       </ags:MonitorIdentifierDetails>
     - <aqs:RawDataList>

    - <aqs: TransactionProtocolDetails>

           <aqs:DurationCode>1</aqs:DurationCode>
          <aqs: MethodIdentifierCode>093</aqs: MethodIdentifierCode>
          <aqs: MeasureUnitCode>007</aqs: MeasureUnitCode>
         </ags: TransactionProtocolDetails>
       - <aqs:RawAccuracyInformation>
          <aqs: ActionCode>I</aqs: ActionCode>
          <aqs: Accuracy AuditIDNumber> 1</aqs: Accuracy AuditIDNumber>
          <aqs: AccuracyDate>2006-04-01</aqs: AccuracyDate>
          <aqs:AuditTypeIdentifier>AUDIT AND CERT BY RO</aqs:AuditTypeIdentifier>
          <aqs:LocalStandardIdentifier>EPA PROTOCOL GAS</aqs:LocalStandardIdentifier>
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          <aqs: AccuracyTypeIdentifier>PE</aqs: AccuracyTypeIdentifier>
          <aqs:Level1ActualValue>.09</aqs:Level1ActualValue>
          <aqs:Level1IndicatedValue>.09</aqs:Level1IndicatedValue>
          <aqs:Level2ActualValue>1</aqs:Level2ActualValue>
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          <aqs:Level3ActualValue>4</aqs:Level3ActualValue>
           <aqs:Level3IndicatedValue>4</aqs:Level3IndicatedValue>
         </ags:RawAccuracyInformation>
       </aqs:RawDataList>
     </aqs:MonitorList>
   </aqs:FacilitySiteList>
 </aqs: AirQualitySubmission>
```

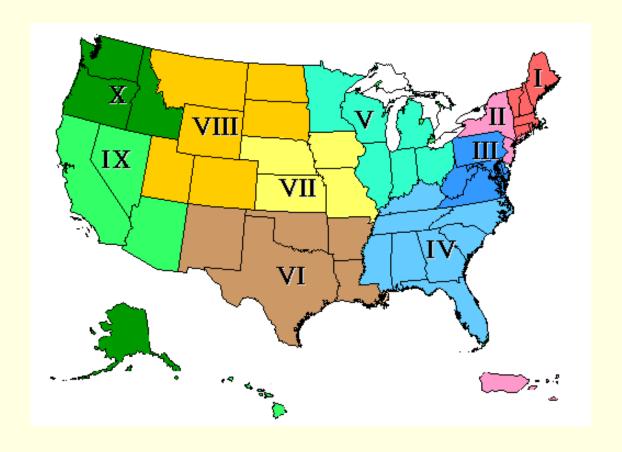


- Download Excel file to your PC
 - One file for each EPA Region



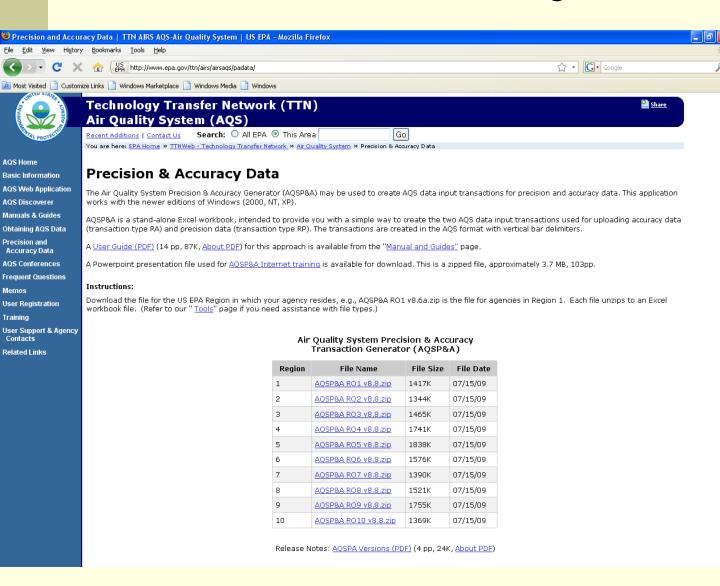


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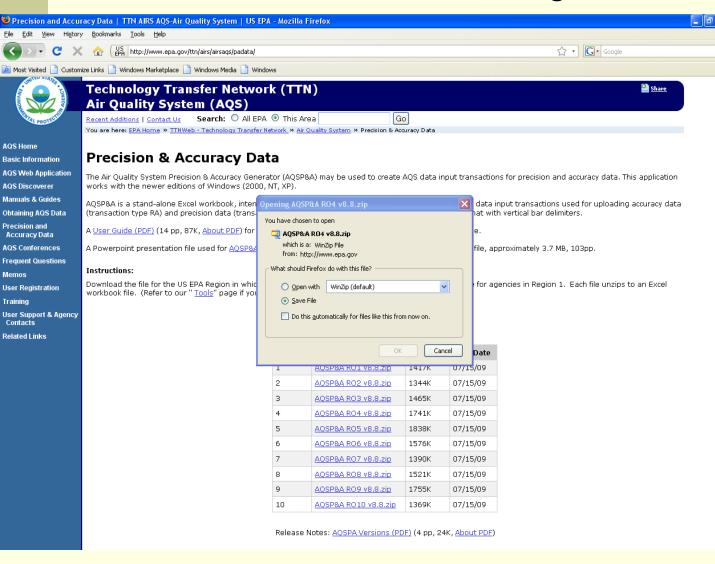


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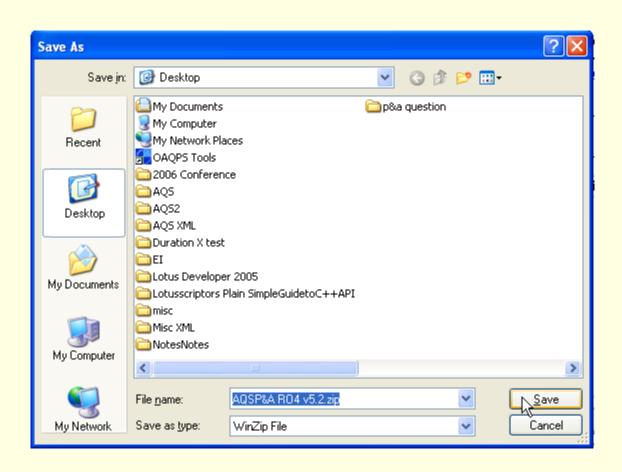


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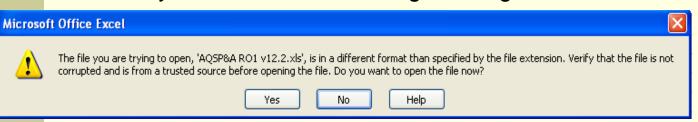


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Note about Excel 2007 compatibility

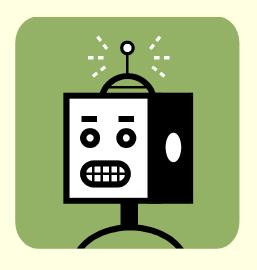
- ➤ The AQSP&A files are saved as Microsoft Office Excel 97-2003 workbooks (.xls)
- ➤When opening with Excel 2007 you will see the following warning:



- ➤ Select Yes
- ➤ The workbook will function properly

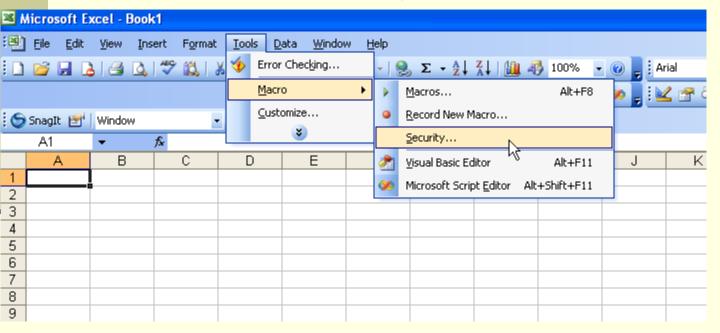


- Download Excel file to your PC
 - One file for each EPA Region
- Verify Excel Security settings
 - Enable macros in Excel 2003
 - Security setting = Medium
 - Check Trust Center in Excel 2007
 - Enable Add-ins
 - Enable Macros



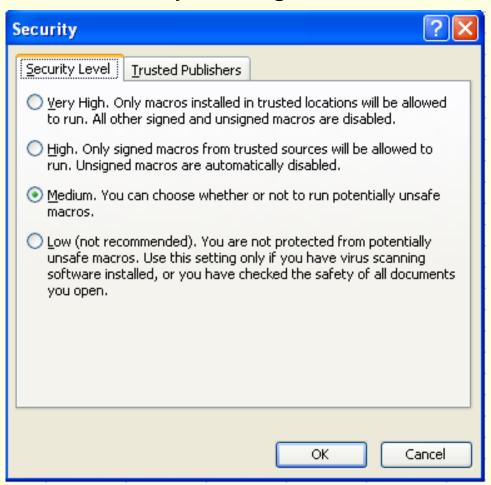


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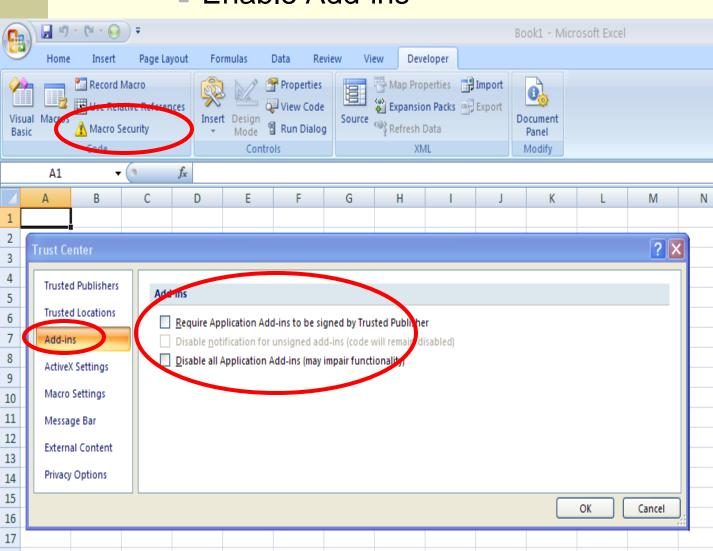


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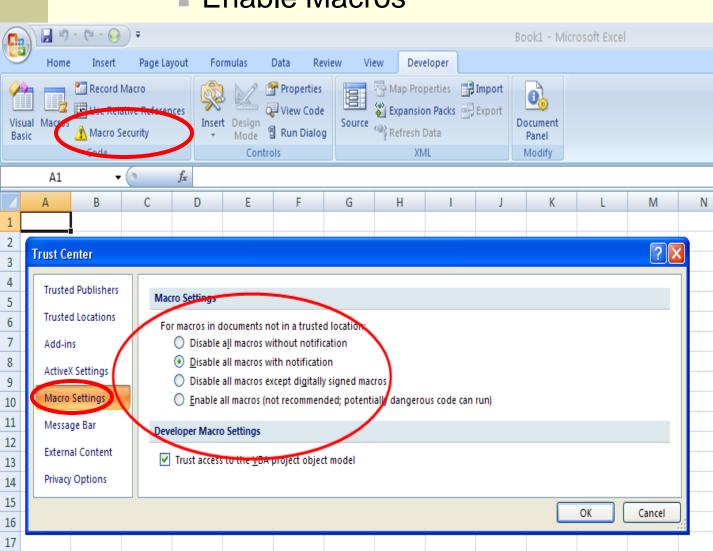


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 - Enable Add-ins



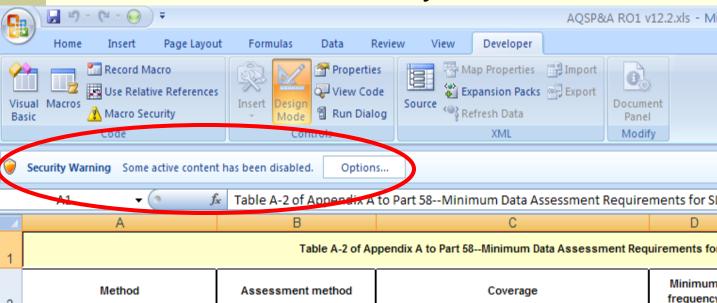


- Download Excel file to your PC
 - One file for each EPA Region
 - Check Trust Center in Excel 2007
 - Enable Macros





- Download Excel file to your PC
 - One file for each EPA Region
- Enable Add-ins in Excel 2007
 - From Trust Center
 - With notification, you will see:

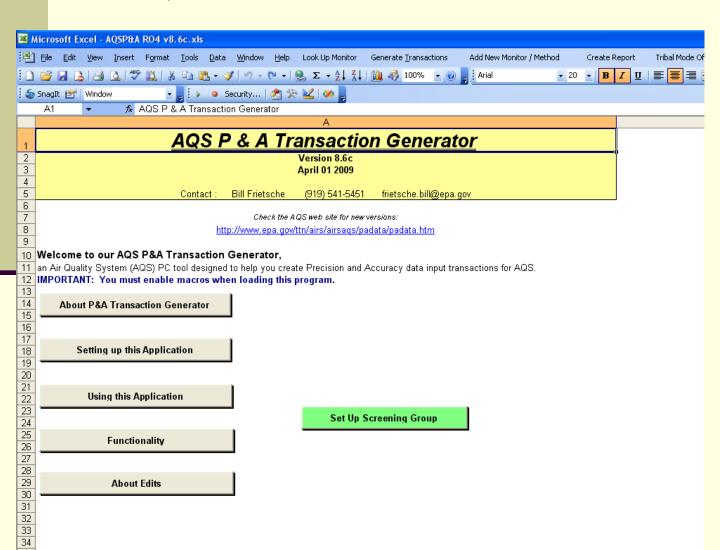


Click Options and Enable



Download Excel file to your PC Enable macros in Excel

Set up screening group in AQSP&A





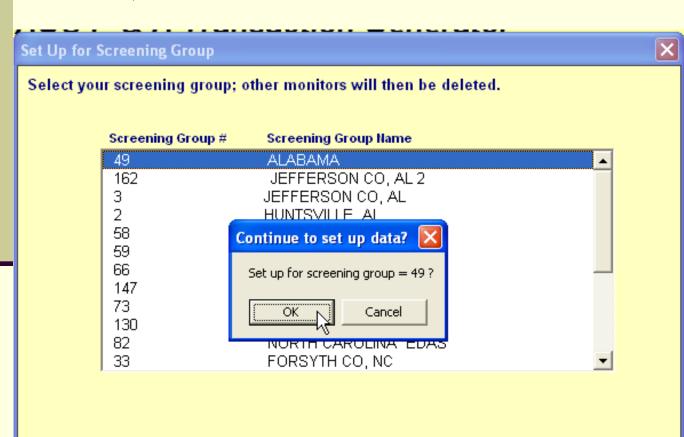
Download Excel file to your PC Enable macros in Excel

Set up screening group in AQSP&A





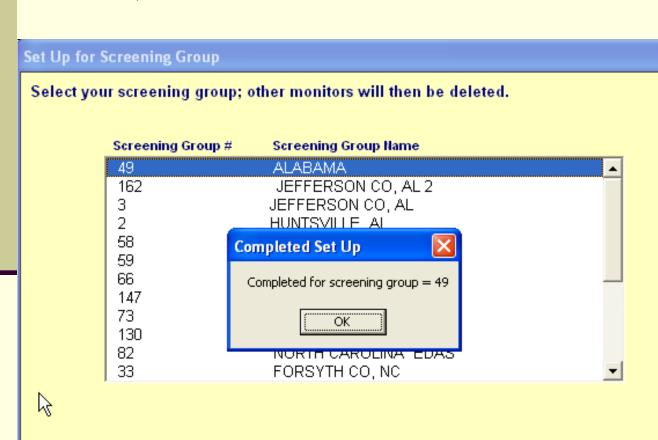
- Download Excel file to your PC
- Enable macros in Excel
- Set up screening group in AQSP&A





Download Excel file to your PC Enable macros in Excel

Set up screening group in AQSP&A



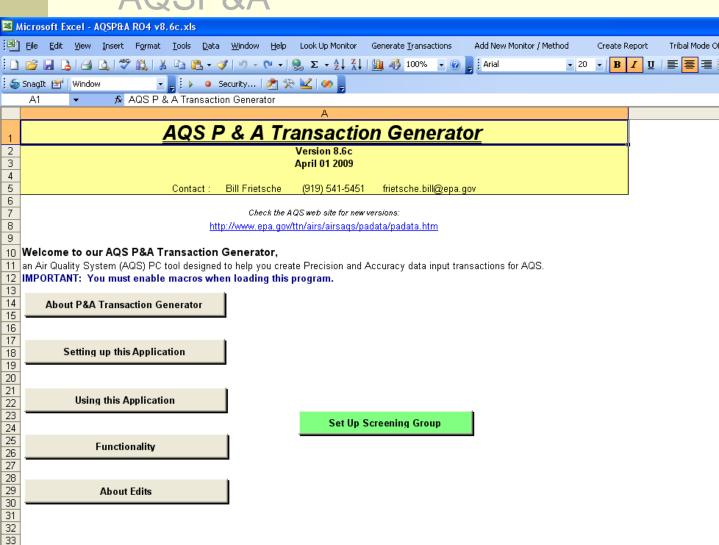


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Setting Up AQSP&A

Download Excel file to your PC Enable macros in Excel

Set up screening group in AQSP&A

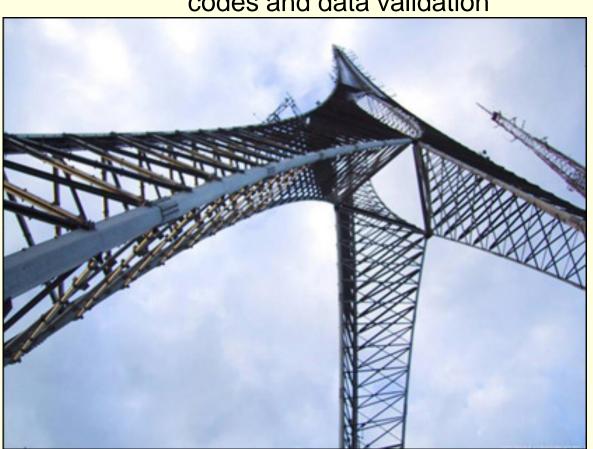




AQSP&A Functionality

Workbook Structure

- 7 Worksheets
 - 1 "Help" sheet
 - One sheet for each transaction type (RA,RP)
 - 1 sheet stores coding manual information
 - 3 sheets hold look-up data for codes and data validation

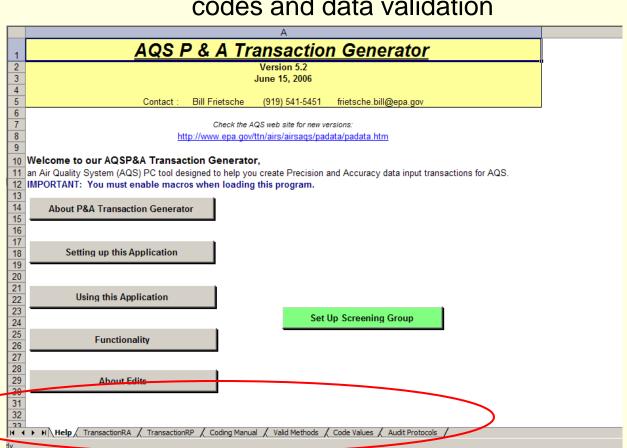




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30 31

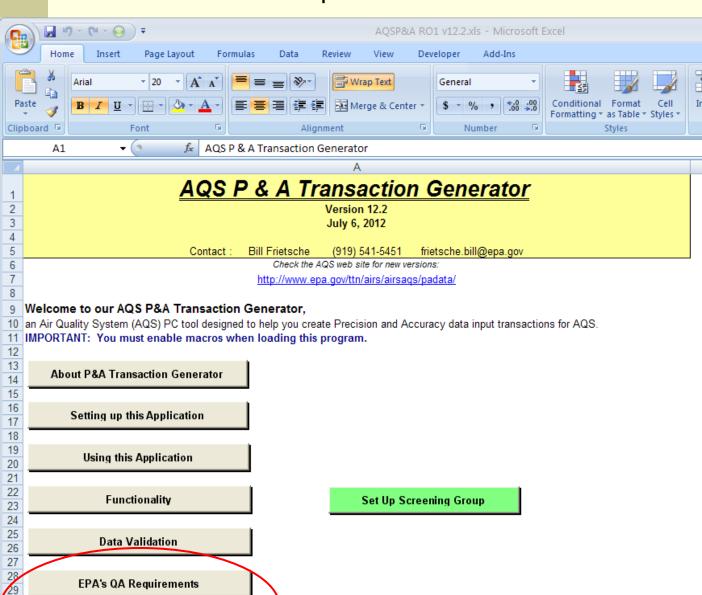
Particulate Matter Flow Audit Reporting

About the P&A Transaction Generator

AQSP&A Functionality

Workbook Structure

1 "Help" sheet





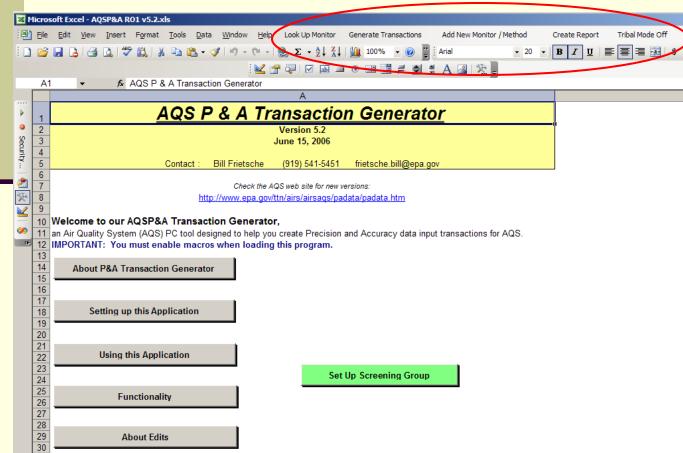
AQSP&A Functionality

- Workbook Structure Excel 2003
- Additional Toolbar Commands



- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode (On/Off)







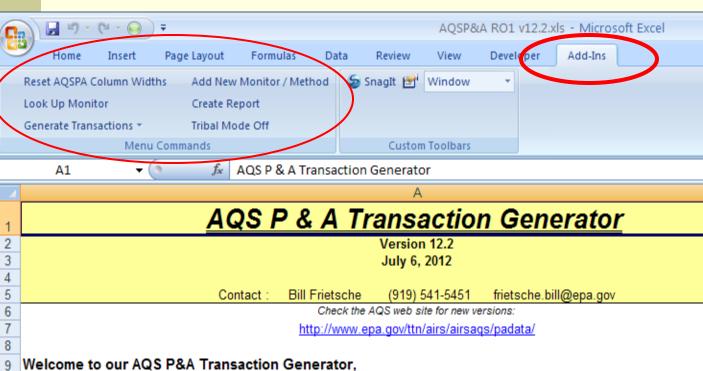
AQSP&A Functionality

- Workbook Structure Excel 2007
- Additional Toolbar Commands



- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode (On/Off)





an Air Quality System (AQS) PC tool designed to help you create Precision and Accuracy data input transactions for AQS.

About P&A Transaction Generator

12 13

14

IMPORTANT: You must enable macros when loading this program.

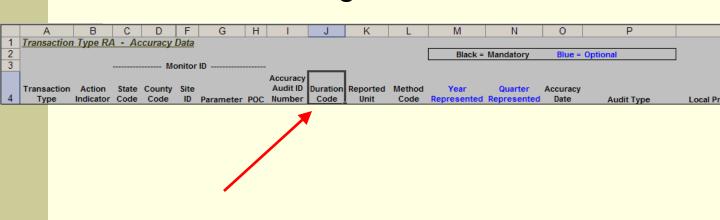


- Column headings
- Drop down lists
- Look Up Monitor button
- Right-click for
 - code values
 - date picker
 - copy monitor id fields function
- Data validations



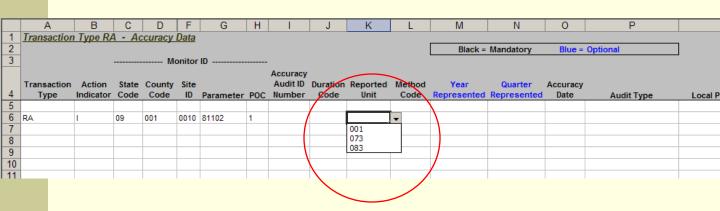


Column Headings



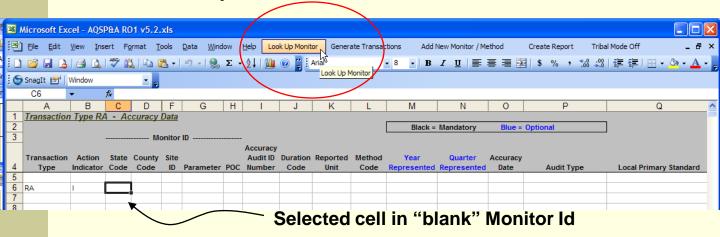


- Column Headings
- Drop down lists



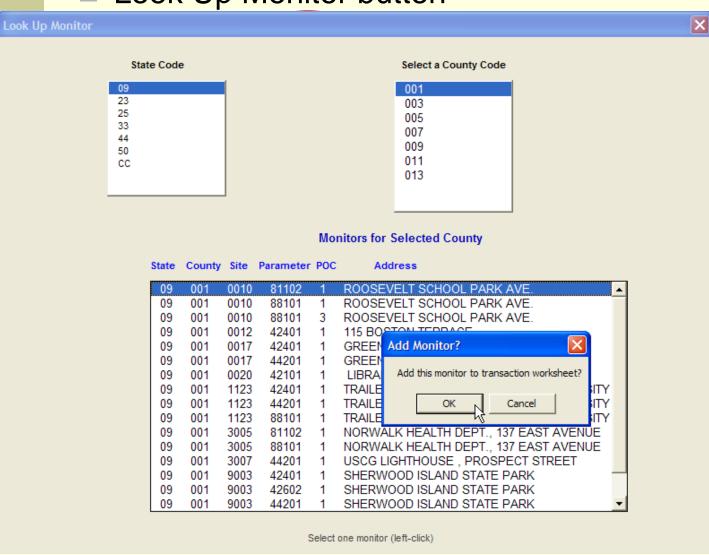


- Column Headings
- Drop down lists
- Look Up Monitor button



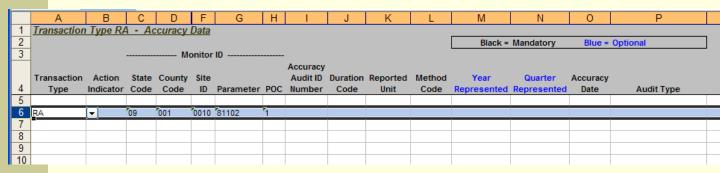


- Column Headings
- Drop down lists
- Look Up Monitor button



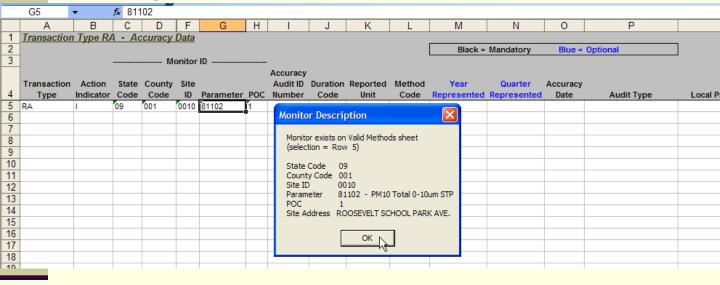


- Column Headings
- Drop down lists
- Look Up Monitor button



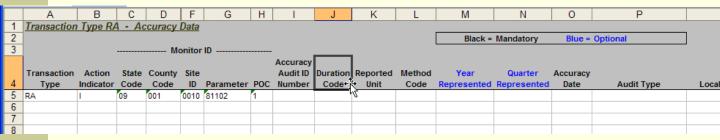


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- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for code values



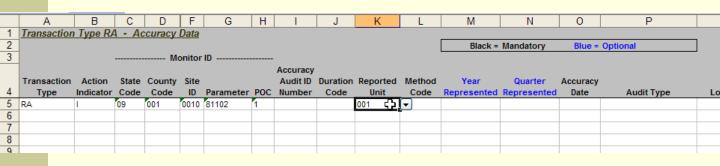


- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for code values

300	DURATION CODE		
301	Description:	The period of time during which the raw sample value was collected.	
302	Attributes:	Alphanumeric	
303		1 character code	
304		Mandatory	
		Place a valid sample duration code in the ninth delimited field. A sample duration value is valid	
	Coding Instructions:	if it exists in the Sample Durations Table and if it exists in combination with unit, parameter,	
305		method, and collection frequency in the Protocols Table.	
306	Business Rules:		
307	Action Indicator	Business Rule	Error Message
308	Common (I,U, and D):	 The combination of (Parameter, Duration Code, Reported Unit, and Method Code) must be in PROTOCOLS table. 	Invalid Protocol.
308 309			Invalid Protocol.
		in PROTOCOLS table.	
		in PROTOCOLS table. 2. Sample duration must be an observed rather than a computed duration.	Invalid Protocol.
309 310 311		in PROTOCOLS table. 2. Sample duration must be an observed rather than a computed duration. 3. Duration Code must not be different than the one used for any other precision or accuracy	Invalid Protocol. Duration Code does not match the annual summary
309 310 311		in PROTOCOLS table. 2. Sample duration must be an observed rather than a computed duration. 3. Duration Code must not be different than the one used for any other precision or accuracy data for the monitor in the year.	Invalid Protocol. Duration Code does not match the annual summary duration.
309 310		in PROTOCOLS table. 2. Sample duration must be an observed rather than a computed duration. 3. Duration Code must not be different than the one used for any other precision or accuracy data for the monitor in the year.	Invalid Protocol. Duration Code does not match the annual summary duration.
309 310 311	Insert:	in PROTOCOLS table. 2. Sample duration must be an observed rather than a computed duration. 3. Duration Code must not be different than the one used for any other precision or accuracy data for the monitor in the year.	Invalid Protocol. Duration Code does not match the annual summary duration.

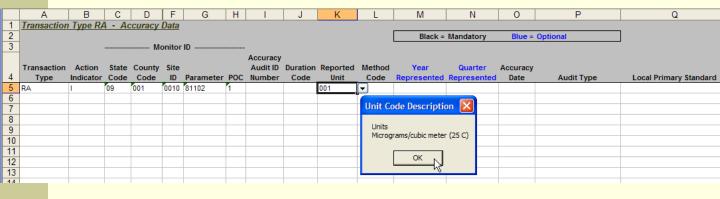


- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for code values



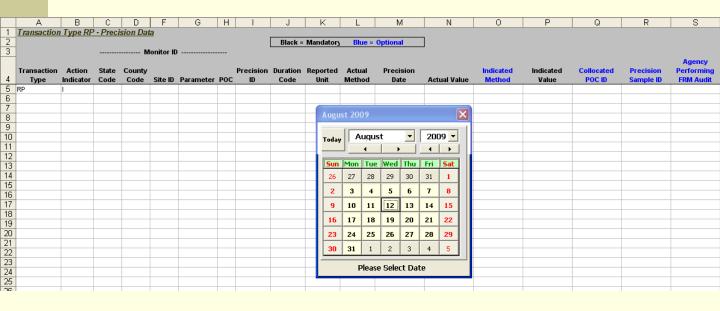


- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for code values



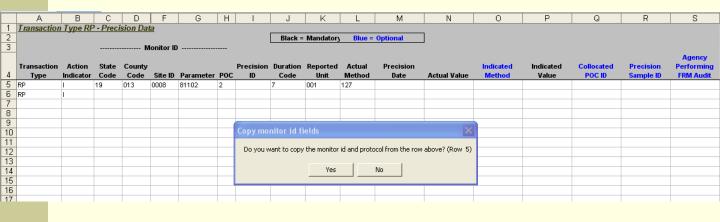


- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for date-picker



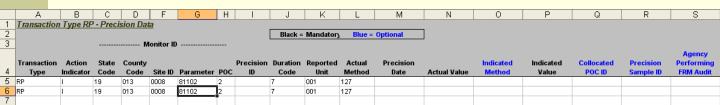


- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click to copy monitor id fields



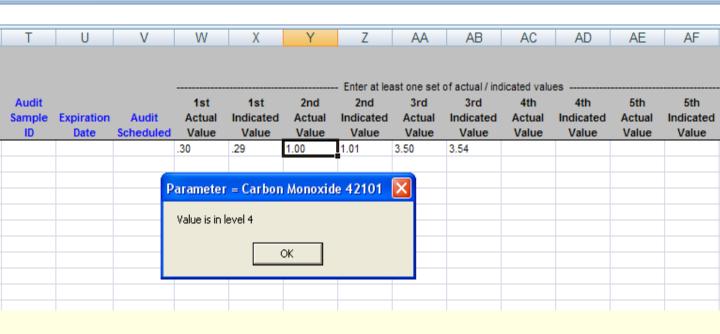


- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click to copy monitor id fields





- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click to lookup audit level number

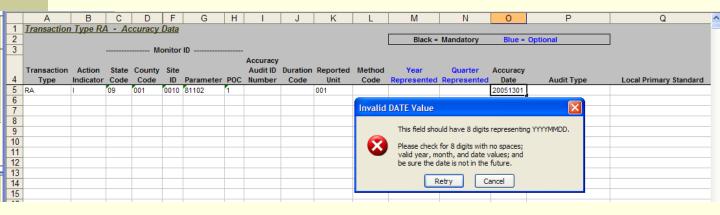




- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for code values
- Data validations

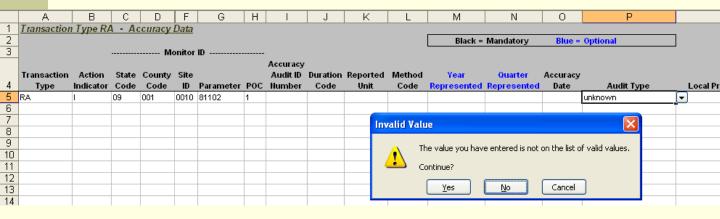


- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for code values
- Data validations





- Column Headings
- Drop down lists
- Look Up Monitor button
- Right-click for code values
- Data validations





- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode (On/Off)



Look up Monitor



We discussed the use of this command a few slides ago

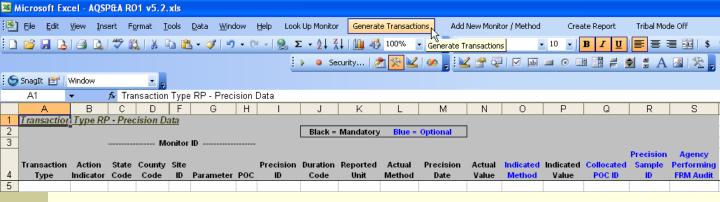


- **■** Look up Monitor
- Generate Transactions





- **■** Look up Monitor
- Generate Transactions





- **■** Look up Monitor
- Generate Transactions
 - Enter all of the data you want to update to AQS.
 - Each row is one transaction.

	А	В	С	D	F	G	Н		J	K	L	М	N	0	Р	Q	R	S
1	Transaction Type RP · Precision Data																	
2	Black = Mandatory Blue = Optional																	
3				Me	onitor	ID												
																	Precision	Agency
	Transaction	Action	State	County	Site			Precision	Duration	Reported	Actual	Precision	Actual	Indicated	Indicated	Collocated	Sample	Performing
4		Indicator	Code	Code	ID	Parameter	POC	ID	Code	Unit	Method	Date	Value	Method	Value	POC ID	ID	FRM Audit
5	RP	I	09	001	0010	81102	1	1	7	001	062	20060101	25		26			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060107	15		13			
7	RP	I	09	001	0010	81102	1	1	7	001	062	20060113	17		14			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060119	4		4			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060125	55		55			
10	RP	I	09	001	0010	81102	1	1	7	001	062	20060231	35		36			
11	RP	I	09	001	0010	81102	1	1	7	001	062	20060206	39		38			
12		I	09	001	0010	81102	1	1	7	001	062	20060212	12		13			
13	RP	I	09	001	0010	81102	1	1	7	001	062	20060218	18		18			
14		I	09	001	0010	81102	1	1	7	001	062	20060224	26		25			
15	RP	I	09	001	0010	81102	1	1	7	001	062	20060302	25		25			
16	RP	I	09	001	0010	81102	1	1	7	001	062	20060308	6		6			
17	RP	I	09	001	0010	81102	1	1	7	001	062	20060314	8		7			
18	RP	I	09	001	0010	81102	1	1	7	001	062	20060320	22		22			
19	RP	I	09	001	0010	81102	1	1	7	001	062	20060326	27		28			

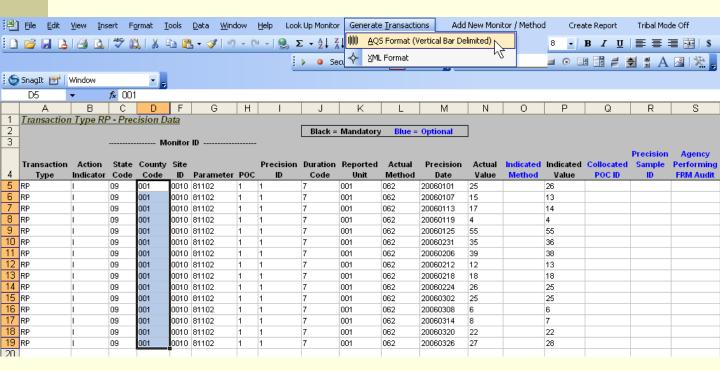


- Look up Monitor
- Generate Transactions
 - Highlight at least one cell in each row to generate transactions.

	Α	В	С	D	F	G	Н		J	K	L	M	N	0	Р	Q	R	S
1	Transaction Type RP - Precision Data																	
3	Black = Mandatory Blue = Optional																	
3				М	onitor	ID												
																	Precision	Agency
	Transaction	Action	State	County	Site			Precision	Duration	Reported	Actual	Precision	Actual	Indicated	Indicated	Collocated	Sample	Performing
4	Туре	Indicator	Code	Code	ID	Parameter	POC	ID	Code	Unit	Method	Date	Value	Method	Value	POC ID	ID	FRM Audit
	RP	I	09	001	0010	81102	1	1	7	001	062	20060101	25		26			
6	RP	I	09	001	0010	81102	1	1	7	001	062	20060107	15		13			
	RP	1	09	001	0010	81102	1	1	7	001	062	20060113	17		14			
	RP	1	09	001	0010	81102	1	1	7	001	062	20060119	4		4			
9	RP	1	09	001	0010	81102	1	1	7	001	062	20060125	55		55			
10	RP	l	09	001	0010	81102	1	1	7	001	062	20060231	35		36			
11	RP	1	09	001	0010	81102	1	1	7	001	062	20060206	39		38			
12	RP	1	09	001	0010	81102	1	1	7	001	062	20060212	12		13			
13	RP	1	09	001	0010	81102	1	1	7	001	062	20060218	18		18			
14	RP	1	09	001	0010	81102	1	1	7	001	062	20060224	26		25			
15	RP	l	09	001	0010	81102	1	1	7	001	062	20060302	25		25			
16	RP	1	09	001	0010	81102	1	1	7	001	062	20060308	6		6			
17	RP	l	09	001	0010	81102	1	1	7	001	062	20060314	8		7			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060320	22		22			
19	RP	I	09	001	0010	81102	1	1	7	001	062	20060326	27		28			
20																		

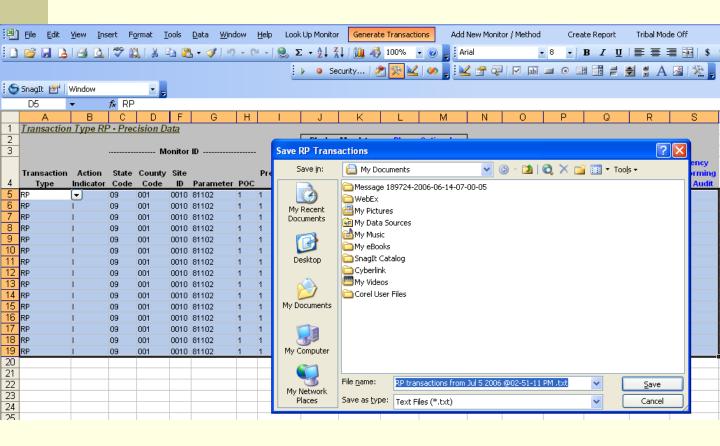


- Look up Monitor
- Generate Transactions
 - Click the Generate Transactions command button.





- Look up Monitor
- Generate Transactions
 - The transactions will be saved as a file in the format you choose.





- **■** Look up Monitor
- Generate Transactions
 - The transactions will be saved as either a delimited text file, or an XML format file.

```
RP|I|09|001|0010|81102|1|1|7|001|062|20060101|25||26|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060107|15||13|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060113|17||14|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060119|4||4|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060125|55||55|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060231|35||36|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060206|39||38|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060212|12||13|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060218|18||18|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060302|25||25|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060308|6||6|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060314|8||7|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060320|22||22|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060320|22||22|||
RP|I|09|001|0010|81102|1|1|7|001|062|20060320|22||22|||
```



- **■** Look up Monitor
- Generate Transactions
 - Here is an example error listing.

AQSP&A Error Listing for the following file: RP transactions from Jul 5 2006 @03-08-27 PM .txt

Error Messages ------

Row # 1, Cols 13 & 15:% difference of 190.2% outside range of ±160%.

Row # 6, Col # 12: Invalid PRECISION DATE

Row # 9, Col # 3 - 7: Invalid Monitor ID (State-County-Site-Parameter-POC)

Row # 9, Col # 15: Invalid INDICATED VALUE

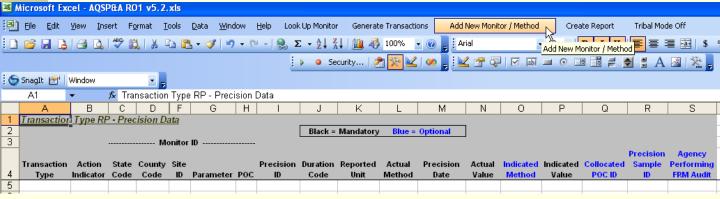


- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method



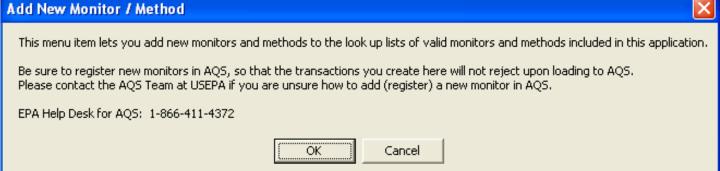


- **■** Look up Monitor
- **Generate Transactions**
- Add New Monitor / Method





- Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method



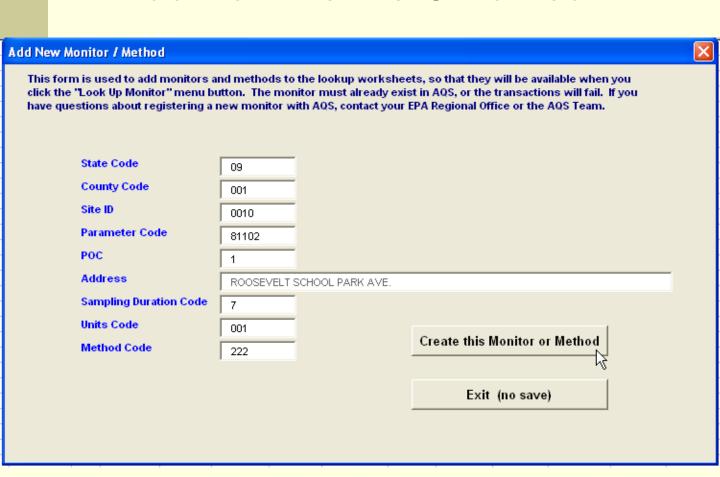


- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method

v Monitor / Method		
the "Look Up Monitor" menu	button. The monitor mus	tup worksheets, so that they will be available when you st already exist in AQS, or the transactions will fail. If you contact your EPA Regional Office or the AQS Team.
State Code		
County Code		
Site ID		
Parameter Code		
POC		
Address		
Sampling Duration Code	•	
Units Code		1
Method Code		Create this Monitor or Method
		Exit (no save)
		,

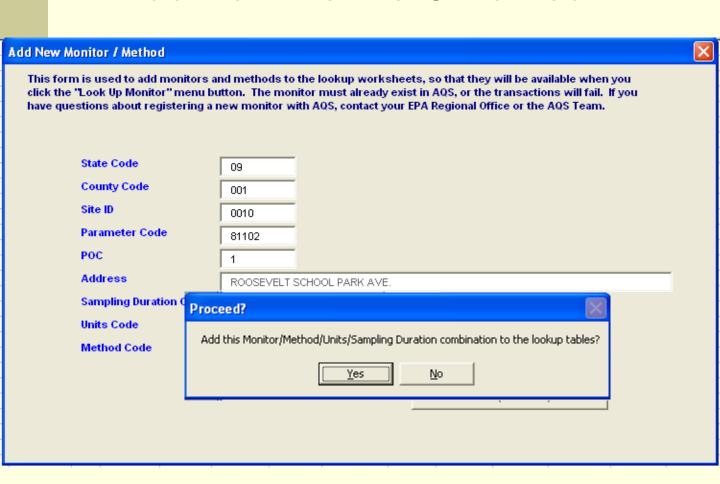


- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method



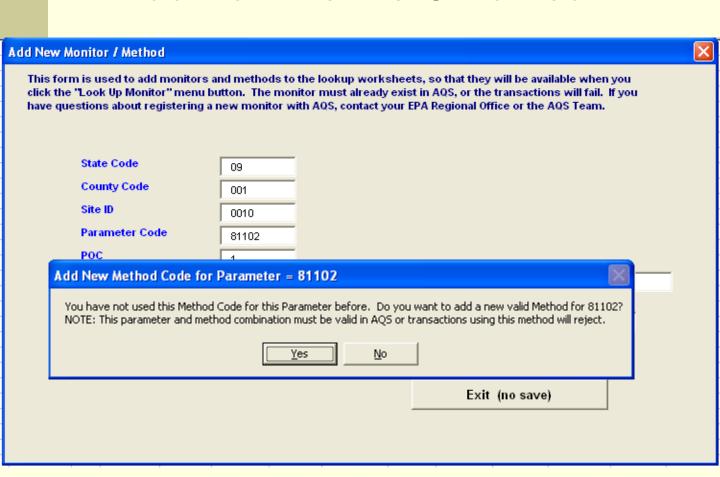


- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method



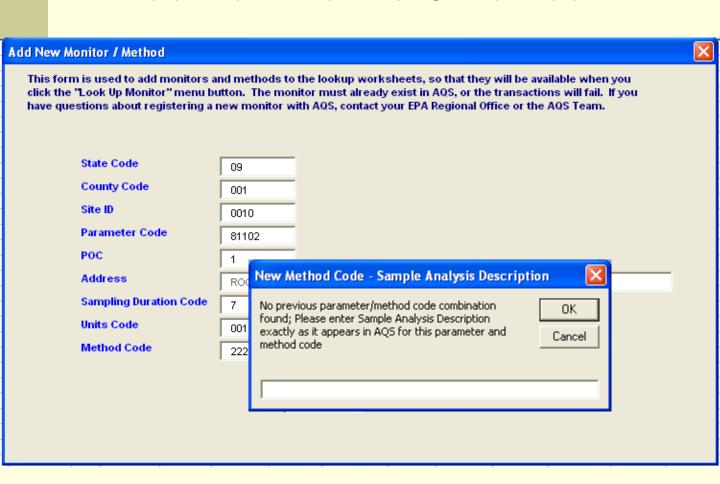


- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method



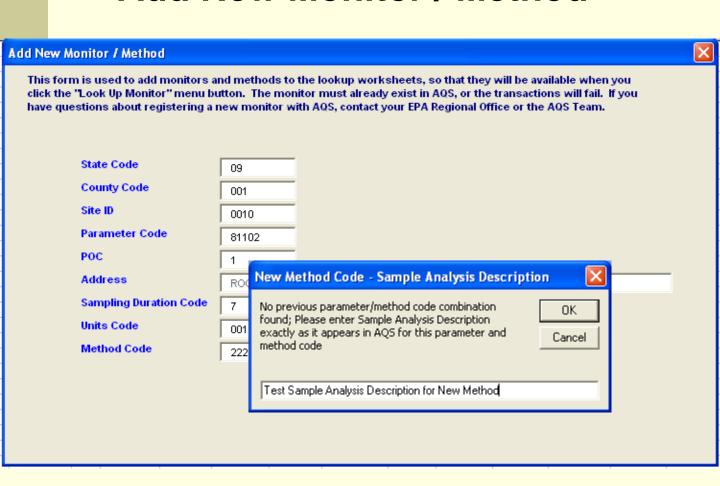


- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method



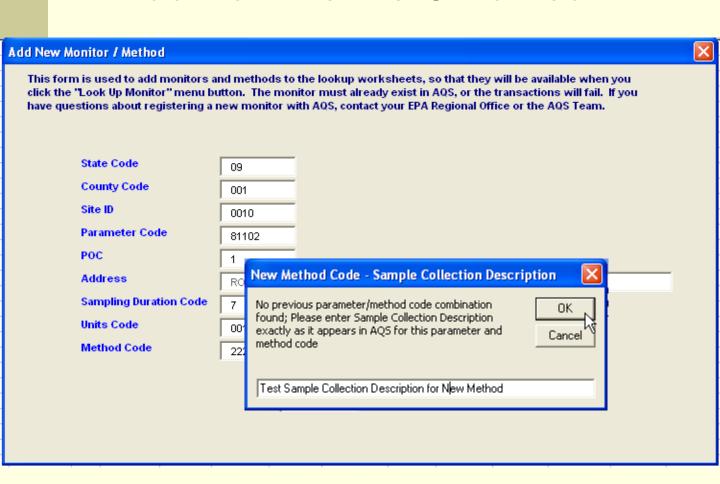


- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method



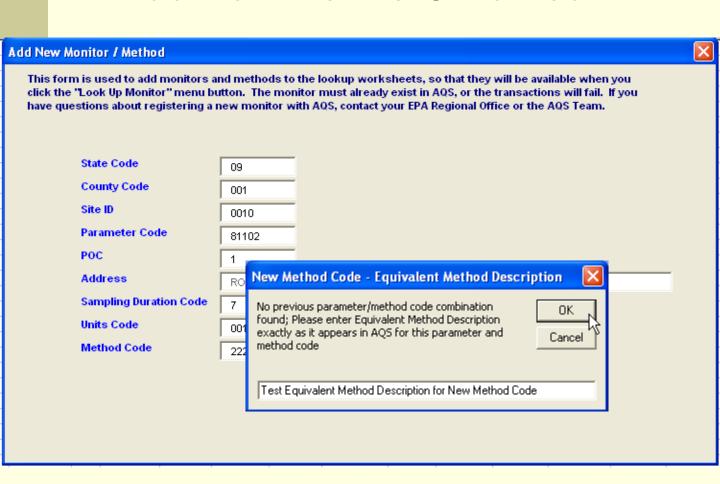


- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method



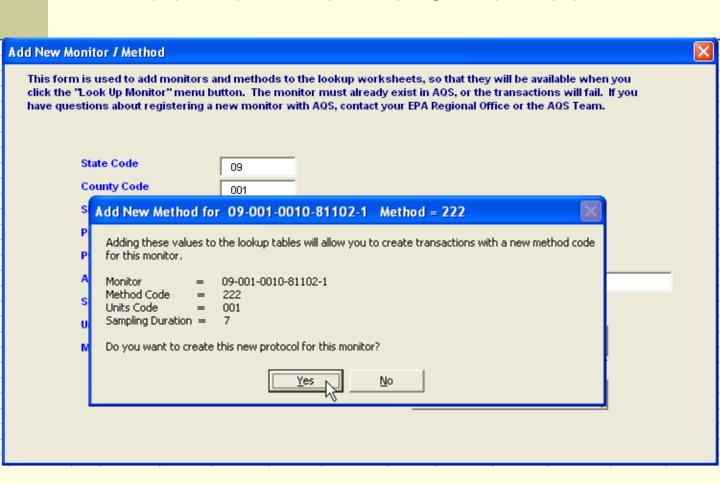


- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method



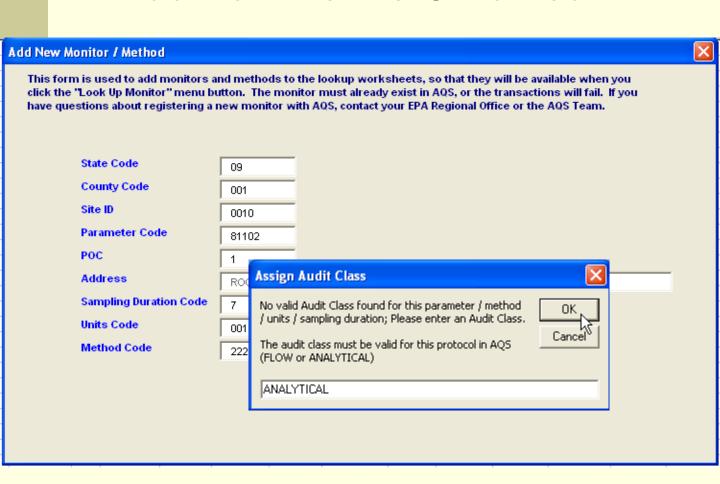


- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method



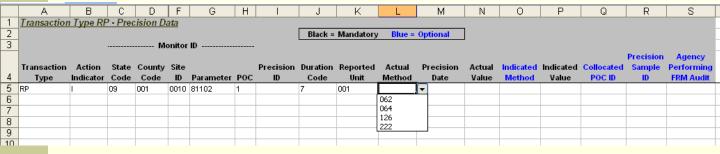


- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method



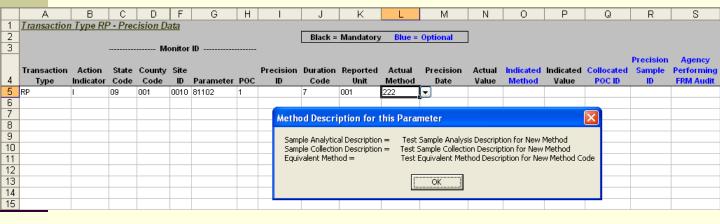


- Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method





- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method





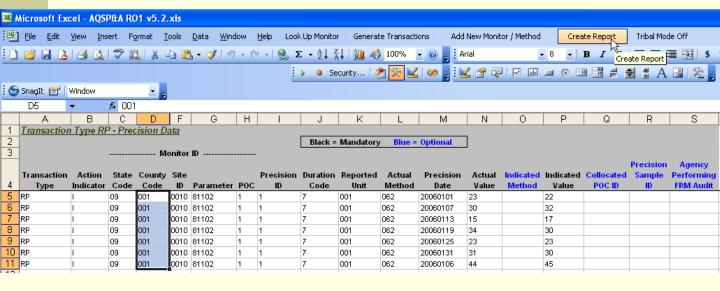
- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method
- Create Report



	Α	В	С	D	F	G	Н	I	J	K	L	M	N	0	Р	Q	R	S
1	Transaction	Type RF	- Pred	cision D	<u>ata</u>													
2									Black =	Mandatory	Blue =	Optional						
3				M	onitor	ID												
																	Precision	Agency
	Transaction	Action	State	County	Site			Precision	Duration	Reported	Actual	Precision	Actual	Indicated	Indicated	Collocated	Sample	Performing
4	Туре	Indicator	Code	Code	_ ID	Parameter	POC	ID	Code	Unit	Method	Date	Value	Method	Value	POC ID	ID	FRM Audit
	RP	I	09	001	0010	81102	1	1	7	001	062	20060101	23		22			
	RP	l	09	001	0010	81102	1	1	7	001	062	20060107	30		32			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060113	15		17			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060119	34		30			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060125	23		23			
10	RP	I	09	001	0010	81102	1	1	7	001	062	20060131	31		30			
	RP	I	09	001	0010	81102	1	1	7	001	062	20060106	44		45			
12					T													

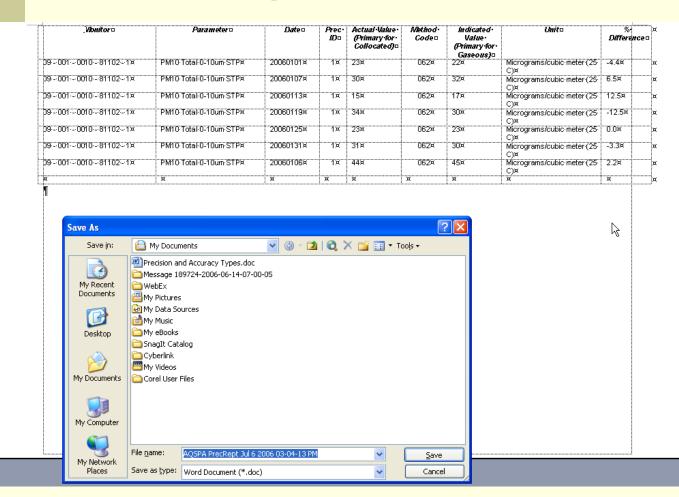


- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report





- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report





- **■** Look up Monitor
- **■** Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode (On/Off)



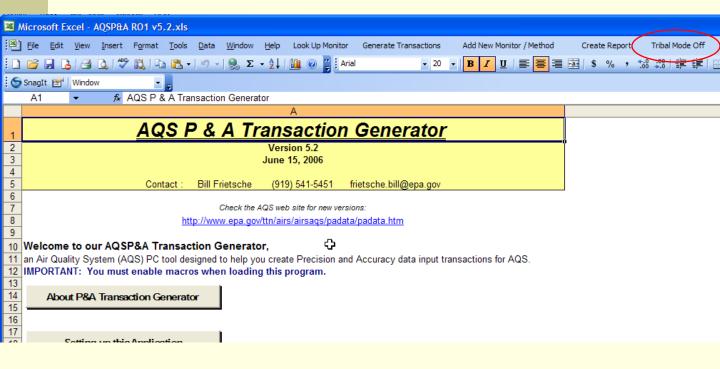
IIII

- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode (On/Off)
 - AQSP&A supports AQS Tribal codes
 - A monitor can be identified in 2 ways:
 - Non-Tribal Mode = State County Site Id-Parameter-POC
 - Tribal Mode = TT- Tribal Code-Site Id-Parameter-POC



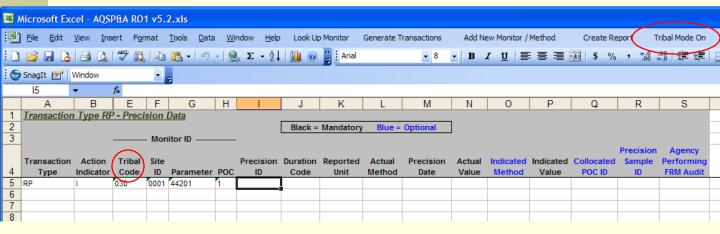


- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode (On/Off)



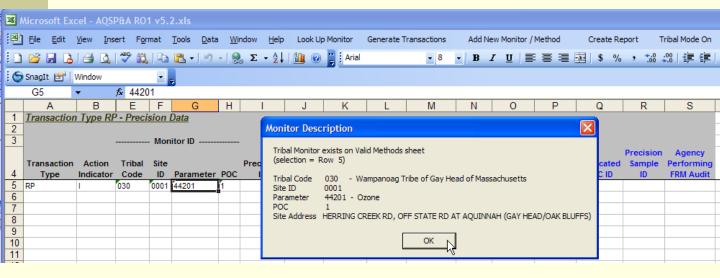


- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Transaction spreadsheets show Tribal codes, rather than state-county codes.





- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Right-click looks up Tribal information.



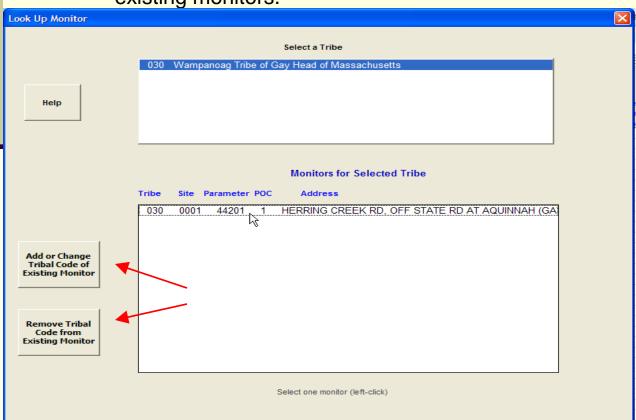


- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Look Up Monitor retrieves monitors by Tribe, rather than State – County.



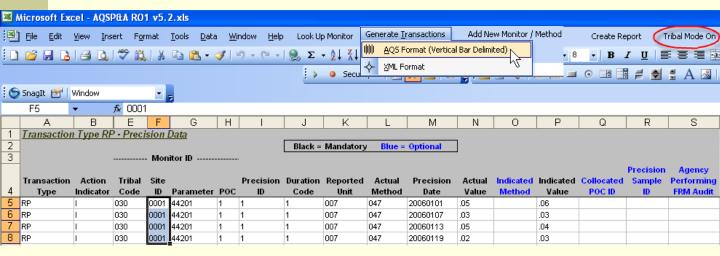


- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Ability to add, change or delete Tribal codes to existing monitors.





- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Generate Transactions outputs transactions in Tribal Code format.





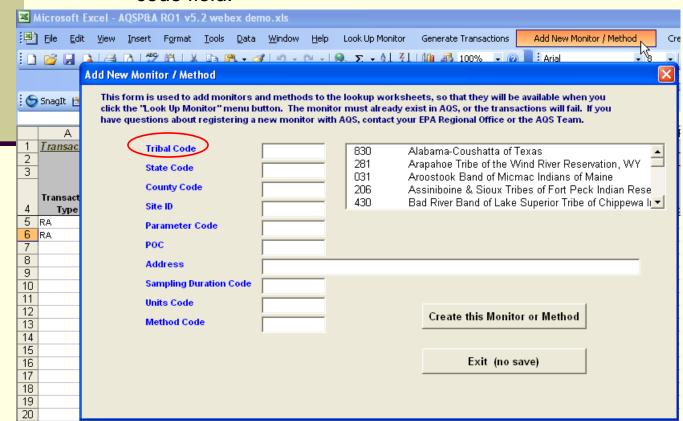
- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Transaction spreadsheets show Tribal codes, rather than state-county codes.



RP|||TT||030||0001||44201||1||1||007||047||20060101||.05|||.06|||| RP||||TT||030||0001||44201||1||1||007||047||20060107||.03|||.03||| RP||||TT||030||0001||44201||1||1||007||047||20060113||.05|||.04||| RP||||TT||030||0001||44201||1||1||007||047||20060119||.02|||.03|||

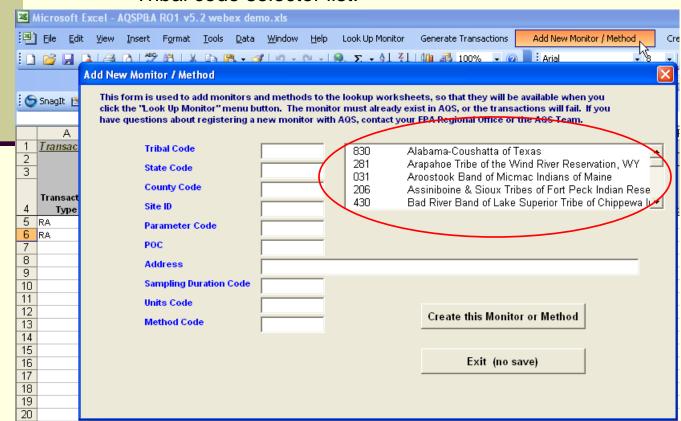


- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Add New Monitor / Method command includes Tribal code field.



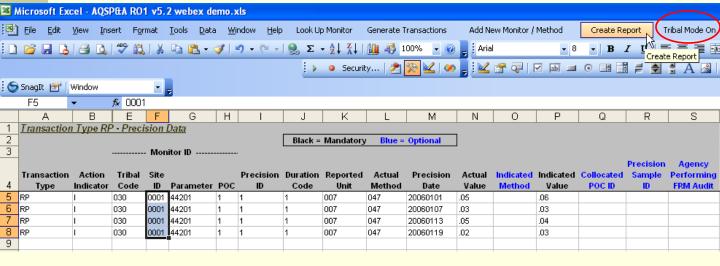


- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Add New Monitor / Method command also includes Tribal code selector list.





- Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Create Report creates report with Tribal codes.



₩

New Toolbar Commands

- **■** Look up Monitor
- Generate Transactions
- Add New Monitor / Method
- Create Report
- Tribal Mode On
 - Create Report creates report with Tribal codes.

Monitor	Parameter	Date	Prec ID	Actual Value (Primary for Collocated)	Wethod Code	Indicated Value (Primary for Gaseous)	Unit	% Difference
030 - 0001 - 44201 - 1	Ozone	20060101	1	.05	047	.06	Parts per million	20.0
030 - 0001 - 44201 - 1	Ozone	20060107	1	.03	047	.03	Parts per million	0.0
030 - 0001 - 44201 - 1	Ozone	20060113	1	.05	047	.04	Parts per million	-20.0
030 - 0001 - 44201 - 1	Ozone	20060119	1	.02	047	.03	Parts per million	50.0
*								

Tribal Code





- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
- Excel functions available
- Getting Updates



Worksheet structure must be kept intact

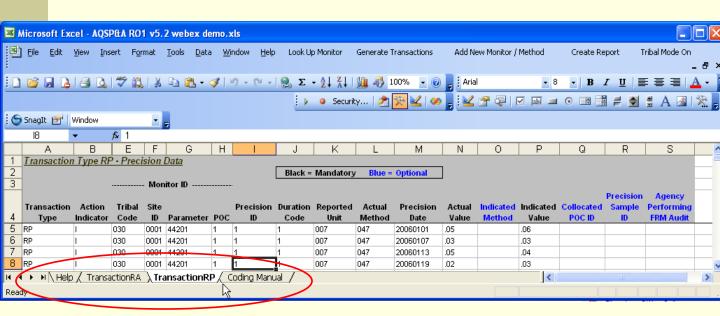


- Worksheet structure must be kept intact
 - Adding columns, moving columns, or adding look up table entries may disable VBA routines
 - If this happens, reload a "fresh" copy from the AQS website.



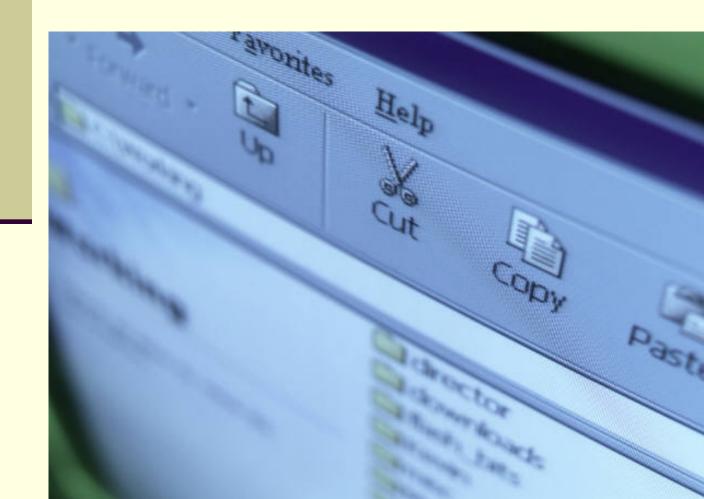


- Worksheet structure must be kept intact
 - You can hide the 3 look up sheets.
 - Do not hide the Coding Manual sheet.
 - The Coding Manual sheet must be visible for data element look ups to work.



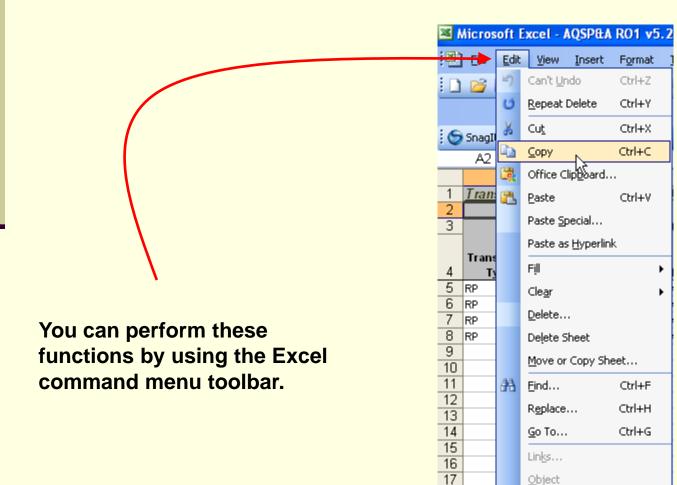


- Worksheet structure must be kept intact
- Using Cut / Copy / Paste



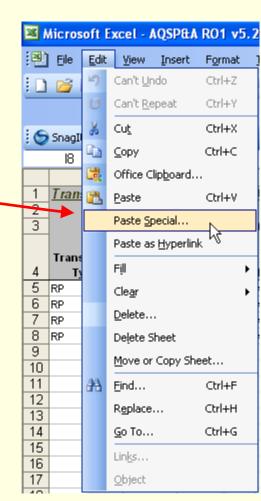


- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
 - The default "right-click" menu of commands is not active on the worksheets (cut, copy, paste, insert, delete, clear, format, etc.).

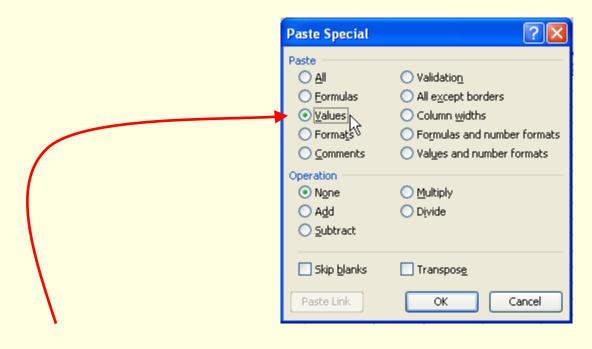


- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
 - Choose "Paste Special" when pasting.

This will give you additional Excel Paste options.



- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
 - Choose "Paste Values Only".



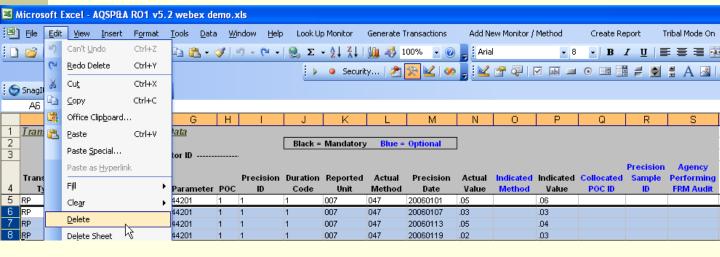
This will keep the formatting and validation in place for the selected cells

- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values



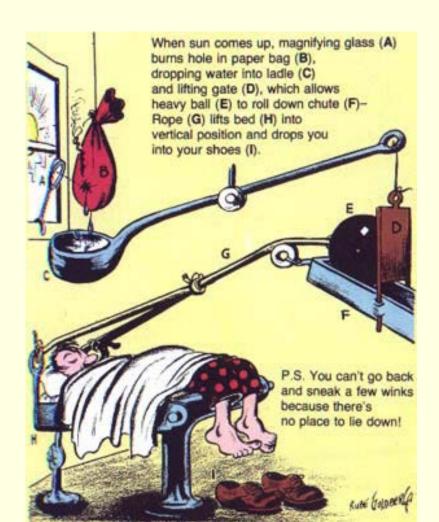


- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
 - Deleting rows on the transaction spreadsheets is OK.
 - The data validations are still in place.





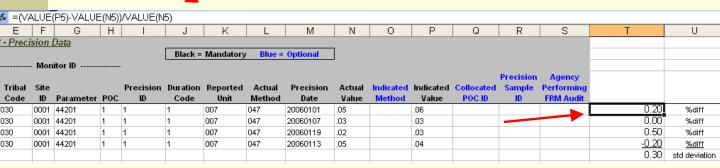
- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
- Excel functions available



- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
- Excel functions available
 - Sorting
 - Filters
 - Save as
 - Excel Functions

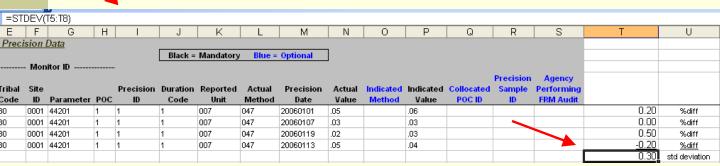


- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
- Excel functions available
 - Sorting
 - Filters
 - Save as
 - Excel Functions



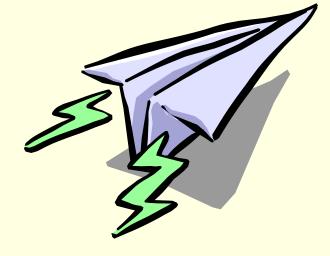


- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
- Excel functions available
 - Sorting
 - Filters
 - Save as
 - Excel Functions

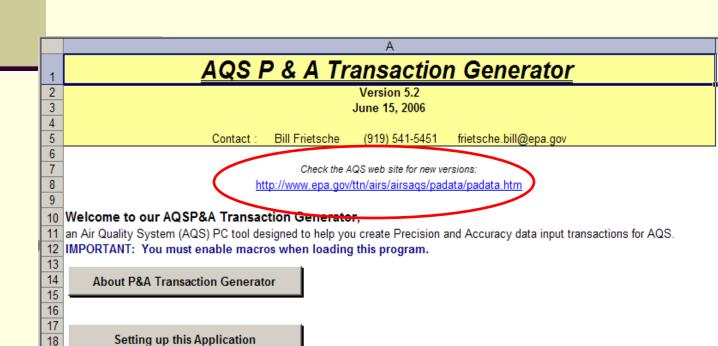




- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
- Excel functions available
- Getting Updates



- Worksheet structure must be kept intact
- Using Cut / Copy / Paste
- Deleting Cell values
- Excel functions available
- Getting Updates
 - Click on link to check for new updates
 - New updates will have a different version number





Questions

- User Support
 - Bill Frietsche
 - (919) 541-5451 or frietsche.bill@epa.gov





Thank You



Thank you for working to protect our Air Quality, and for sending your data to AQS.

