



# *Discoverer for AQS*

**Version 10g R2**

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## *Oracle Business Intelligence Discoverer*



... a tool for retrieving and analyzing data in a database.

AQS uses the web-based version of this software (a downloadable Java applet) deployed within the EPA. This means it is available to all registered AQS at no cost.

Oracle now refers to Discoverer as “Business Intelligence” instead of just “Discoverer”.

## *Getting the information you need*

Example: List all criteria monitors for NC

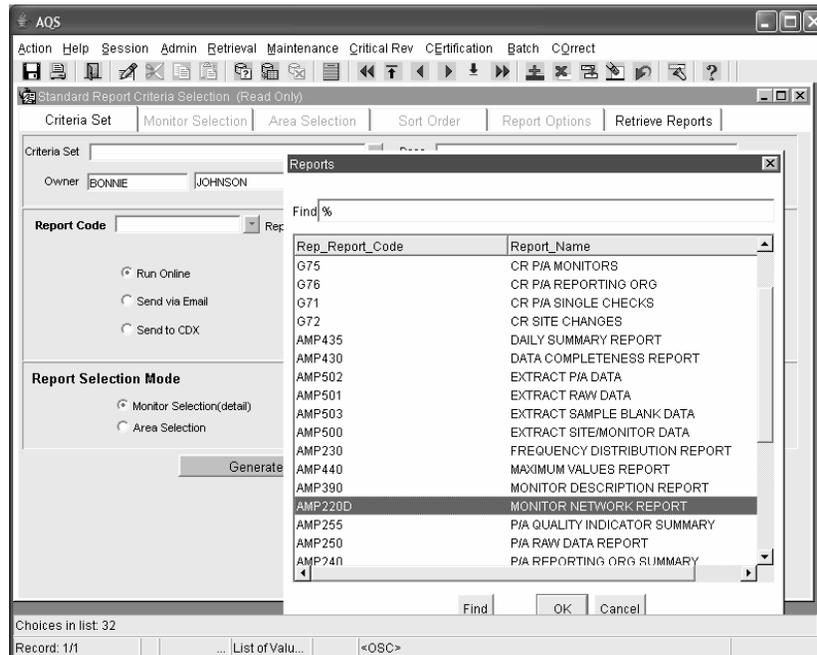
1. Use an AQS report provided within the AQS application
2. Use Discoverer

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Why would you want to use Discoverer?

Here's a simple example.

# 1. AQS Reports (aka Retrievals)



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You could use one of the retrievals in the AQS application.

## 1. AQS Reports: sample of result – selection criteria

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: BOS MONITOR NETWORK REPORT

Report Request ID: 487104 Report Code: AMP2200 Dec. 5, 2007

GEOGRAPHIC SELECTIONS

Tribal	State	County	Site	Parameter	FOC	City	AQCR	UAR	NSA	CHSA	EPA Region	Method	Duration	Begin Date	End Date
37															

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
CRITERIA			

SELECTED OPTIONS

Option Type	Option Value	Order	Sort Order Column
MERGE PDF FILES	YES	1	STATE_CODE
		2	COUNTY_CODE
		3	SITE_ID
		4	EPA_REGION
		5	PARAMETER_CODE
		6	FOC

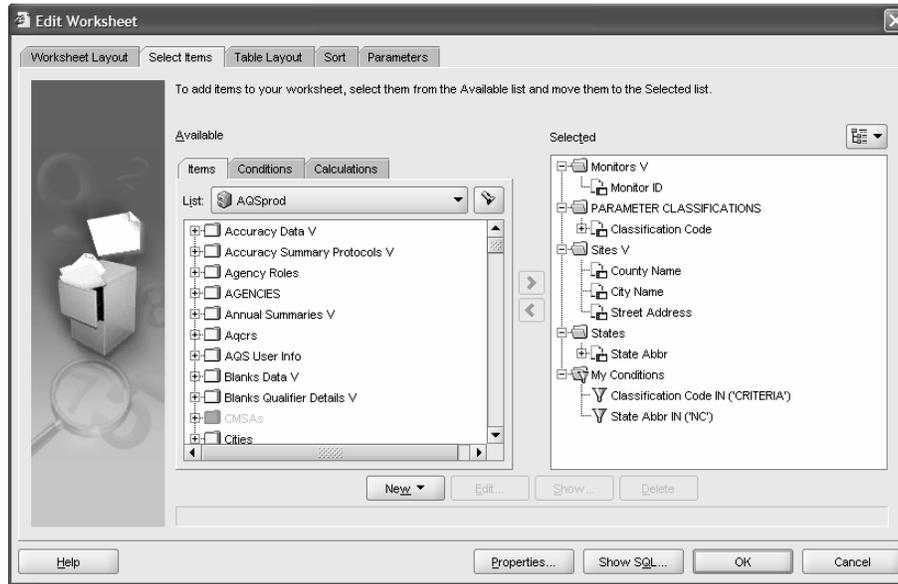
Selection Criteria Page 1

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Results of such a retrieval give you a pdf with 1 page of the criteria use to run the report.



## 2. Discoverer



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Use Discoverer to pick out just the fields/items you're interested in.

## 2. Discoverer: sample of result

Workbook 5 - OracleBI Discoverer - Microsoft Internet Explorer provided by EPA - version 6

File Edit View Format Tools Help

Arial 12 B I U

Page Items: State Abbr: NC Classification Code: CRITERIA

	County Name	Monitor ID	City Name	Street Address
1	Alamance	37-001-0001-42602-2	Burlington	1136 E.WEBB AVE.BURLINGTON,N.C.
2	Alamance	37-001-0001-42602-1	Burlington	1136 E.WEBB AVE.BURLINGTON,N.C.
3	Alamance	37-001-1001-11101-1	Graham	CITY HALL 201 S MAIN ST
4	Alamance	37-001-1001-42602-2	Graham	CITY HALL 201 S MAIN ST
5	Alamance	37-001-1001-42602-1	Graham	CITY HALL 201 S MAIN ST
6	Alamance	37-001-1001-42401-1	Graham	CITY HALL 201 S MAIN ST
7	Alamance	37-001-0001-42401-1	Burlington	1136 E.WEBB AVE.BURLINGTON,N.C.
8	Alamance	37-001-0001-11101-1	Burlington	1136 E.WEBB AVE.BURLINGTON,N.C.
9	Alamance	37-001-0002-88101-1	Burlington	827 S GRAHAM & HOPEDALE RD
10	Alamance	37-001-0002-81102-1	Burlington	827 S GRAHAM & HOPEDALE RD
11	Alexander	37-003-0003-11101-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
12	Alexander	37-003-0003-42401-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
13	Alexander	37-003-0003-44201-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
14	Alexander	37-003-0003-81102-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
15	Alexander	37-003-0001-42602-1	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
16	Alexander	37-003-0001-11101-2	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
17	Alexander	37-003-0001-11101-1	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
18	Alexander	37-003-0001-42602-2	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
19	Alexander	37-003-0001-42401-1	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
20	Alexander	37-003-0004-44201-1	Not in a city	106 WAGGIN' TRAIL, TAYLORSVILLE
21	Alleghany	37-005-0001-11101-1	Not in a city	NO SITE ADDRESS
22	Ashe	37-009-0001-11101-1	Not in a city	FIRE DEPT WEST JEFFERSON

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Get your result in table format.

## 2. Discoverer: Sample of result exported to spreadsheet

1	State Abbr, NC	Classification Code, CRITERIA		
2	County Name	Monitor ID	City Name	Street Address
4	Alamance	37-001-0001-42602-2	Burlington	1136 E.WEBB AVE BURLINGTON, N.C.
5	Alamance	37-001-0001-42602-1	Burlington	1136 E.WEBB AVE BURLINGTON, N.C.
6	Alamance	37-001-1001-11101-1	Graham	CITY HALL 201 S MAIN ST
7	Alamance	37-001-1001-42602-2	Graham	CITY HALL 201 S MAIN ST
8	Alamance	37-001-1001-42602-1	Graham	CITY HALL 201 S MAIN ST
9	Alamance	37-001-1001-42401-1	Graham	CITY HALL 201 S MAIN ST
10	Alamance	37-001-0001-42401-1	Burlington	1136 E.WEBB AVE BURLINGTON, N.C.
11	Alamance	37-001-0001-11101-1	Burlington	1136 E.WEBB AVE BURLINGTON, N.C.
12	Alamance	37-001-0002-88101-1	Burlington	827 S GRAHAM & HOPEDALE RD
13	Alamance	37-001-0002-81102-1	Burlington	827 S GRAHAM & HOPEDALE RD
14	Alexander	37-003-0003-11101-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
15	Alexander	37-003-0003-42401-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
16	Alexander	37-003-0003-44201-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
17	Alexander	37-003-0003-81102-1	Not in a city	324 MINNIGAN LANE, TAYLORSVILLE
18	Alexander	37-003-0001-42602-1	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
19	Alexander	37-003-0001-11101-2	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
20	Alexander	37-003-0001-11101-1	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
21	Alexander	37-003-0001-42602-2	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
22	Alexander	37-003-0001-42401-1	Taylorsville	MAIN AVE DRIVE TAYLORSVILLE
23	Alexander	37-003-0004-44201-1	Not in a city	106 WAGGIN' TRAIL, TAYLORSVILLE
24	Alleghany	37-005-0001-11101-1	Not in a city	NO SITE ADDRESS
25	Ash	37-009-0001-11101-1	Not in a city	FIRE DEPT WEST JEFFERSON
26	Avery	37-011-8001-44201-1	Not in a city	ROARING CREEK RD., PISGAH N.F.
27	Avery	37-011-0001-44201-1	Not in a city	7510 BLUE RIDGE PARKWAY SPUR
28	Avery	37-011-0002-44201-1	Not in a city	7510 BLUE RIDGE PARKWAY SPUR
29	Avery	37-011-0002-42401-1	Not in a city	7510 BLUE RIDGE PARKWAY SPUR
30	Beaufort	37-013-0099-42401-1	Not in a city	GUM POINT ROAD

You can even export your Discoverer table to Excel and then manipulate the data within Excel.

## *What you need for using Discoverer*

- **AQS userid and password**
- **Java-enabled Web browser**
  - ◆ **MS IE 5.5, 6.0 and higher**
  - ◆ **Netscape 7.1, 7.2**
  - ◆ **Mozilla 1.5 and higher**
- **JRE (or JInitiator)**
- **Admin privileges to install a Java Virtual Machine on your client PC (100-150 MB)**
- **About 50 MB available disk space for Oracle Jar Cache**
- **url: <http://www.epa.gov/ttn/airs/airsaqs>  
or go directly to  
<https://iasint.rtpnc.epa.gov/discoverer/plus>**

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Note: As of this date (11/15/06), MS IE 7 is not recommended.

# Starting Discoverer Plus

<https://iasint.rtpnc.epa.gov/discoverer/plus>

The screenshot displays the Oracle Discoverer Plus Business Intelligence interface. At the top, it says "ORACLE Discoverer Plus Business Intelligence" with a "Help" link on the right. Below this is a "Connect Directly" section. A sub-section titled "Connect to OracleBI Discoverer" provides instructions: "To connect to OracleBI Discoverer, click on a connection name or enter your connection details directly." Underneath, there is a "Choose Connection" section with a "Create Connection" button. A table lists existing connections:

Details	Connection	Description	Update	Delete
▶ Show	aqspnod			
▶ Show	aqsa-testing			
▶ Show	EIMS_PUBLIC	EIMS Public Connection		
▶ Show	gulowner-aqspnod			

Below the table is a "Connect Directly" section with the instruction: "Enter your connection details below to connect directly to OracleBI Discoverer." It includes a "Return to Top" link and a note: "\* Indicates required field." The form contains the following fields:

- Connect To: OracleBI Discoverer (dropdown)
- \* User Name:
- \* Password:
- \* Database:
- End User Layer:
- Locale: Locale retrieved from browser (dropdown)

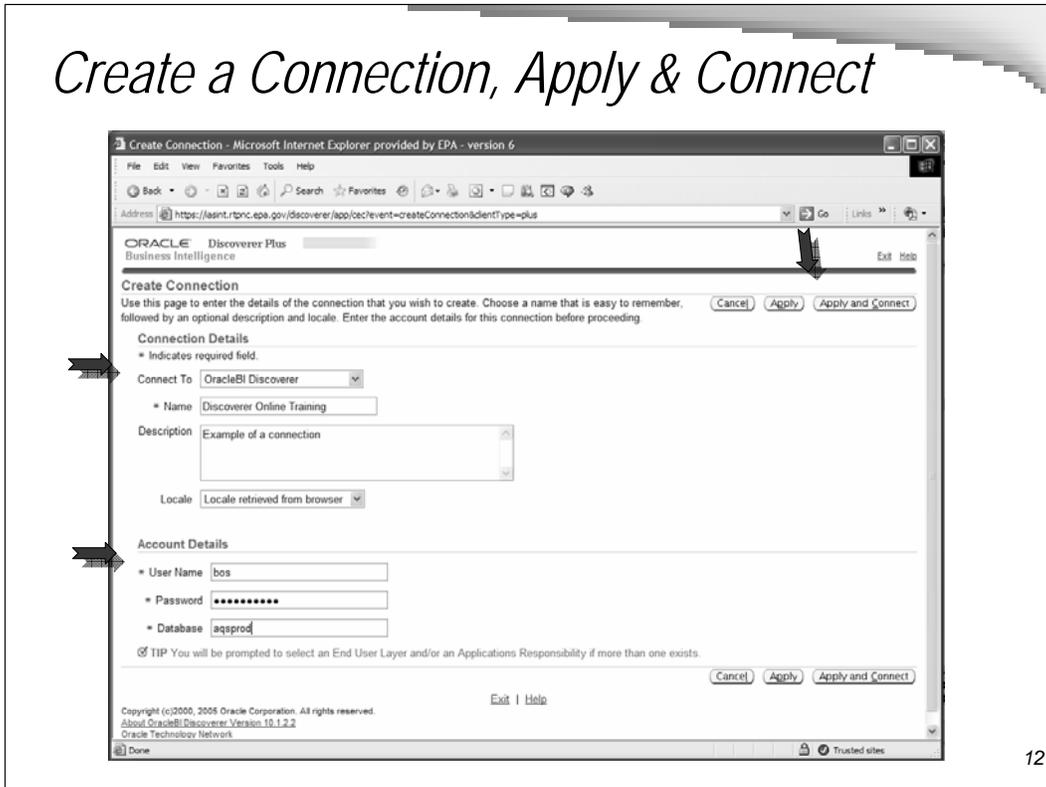
At the bottom left, there is a "Go" button. At the bottom center, there is a "Help" link. At the bottom left, there is a copyright notice: "Copyright (c)2000, 2005 Oracle Corporation. All rights reserved."

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You can always just type in the URL or use links from the aqs ttn page – AQS Web Discoverer - on the sidebar.

If you're behind the EPA firewall, you can use http instead of https.

## Create a Connection, Apply & Connect



Private Connection Details are stored in cookies, so if someone else uses your PC and the same browser, they will see your connection (but they'd still have to know your password to login.)

## Enter Password

The screenshot shows a web browser window titled "Enter Password - Microsoft Internet Explorer provided by EPA - version 6". The address bar contains the URL: `https://asim.lrgnc.epa.gov/discoverer/app/connection?event=connectSWPKey&connectorKey=us_a1871&clntType=plus`. The page content includes the Oracle Discoverer Plus logo and a "Connect >" link. The main heading is "Enter Password". Below this, a message states: "The item you are requesting requires you to enter a password. This could occur because this is a private connection or because the public connection password was invalid. Please enter the correct password now to continue." A list of connection details is provided: Connection Name: Discoverer Online Training; Connection Description: Example of a connection; User Name: BOS; Database: aqprod; End User Layer: EUL\_OWNER; Connect To: OracleBI Discoverer; Locale: Locale retrieved from browser. At the bottom of this list is a "Password" input field with a "Go" button to its right. A black arrow points to the password field. At the bottom of the page, there is a copyright notice: "Copyright (c)2000, 2005 Oracle Corporation. All rights reserved. About OracleBI Discoverer Version 10.1.2.2 Oracle Technology Network".

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You always have to provide your password and it's not displayed on the screen.

## *First time set up*

Depending on the software already installed on the client machine, you might have to download and install a Java Virtual Machine (JVM) (e.g. Java Plug-in).

If you have to download and install a JVM, the Security Warning dialog is displayed.



The steps to download and install this JVM are posted at:  
<http://www.epa.gov/ttn/airs/airsaqs/aqsweb/aqswebsetup.htm>

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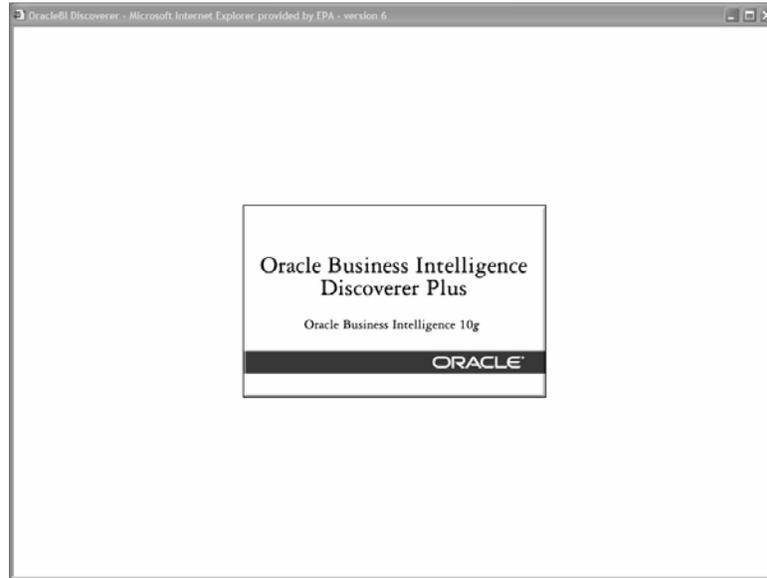
**Hint:** If the JVM installation process fails, close down extraneous processes on the client machine, then re-try.

If you can get connection working using JRE then the relatively manual process of updating the certificate is eliminated.

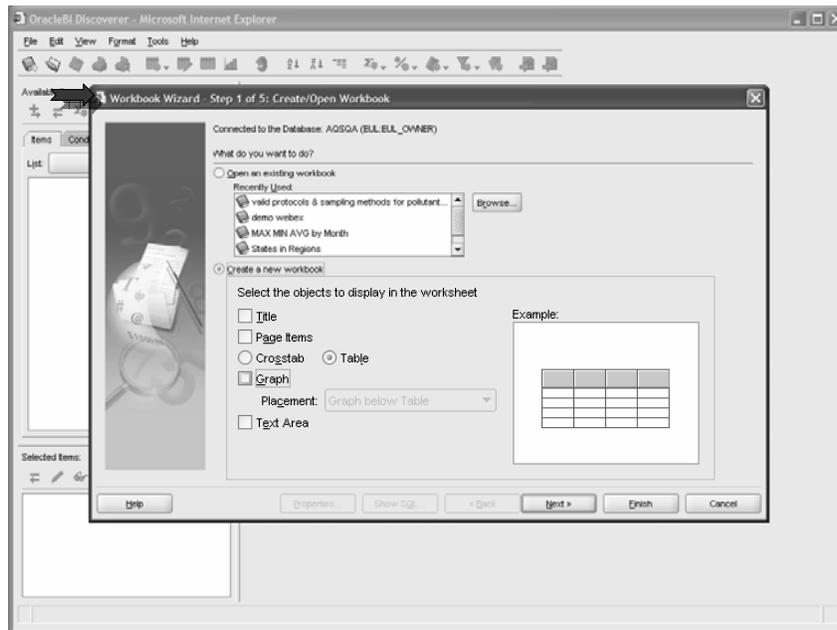
You may need to adjust your Internet Options (under Tools) to allow Browsing to “Enable Install On Demand” and “Use JRE 1.5.0\_09 for <applet> “.

There’s more in-depth set up info on the AQS TTN web page.

## *BI Discoverer starts*



## Workbook Wizard starts Step 1

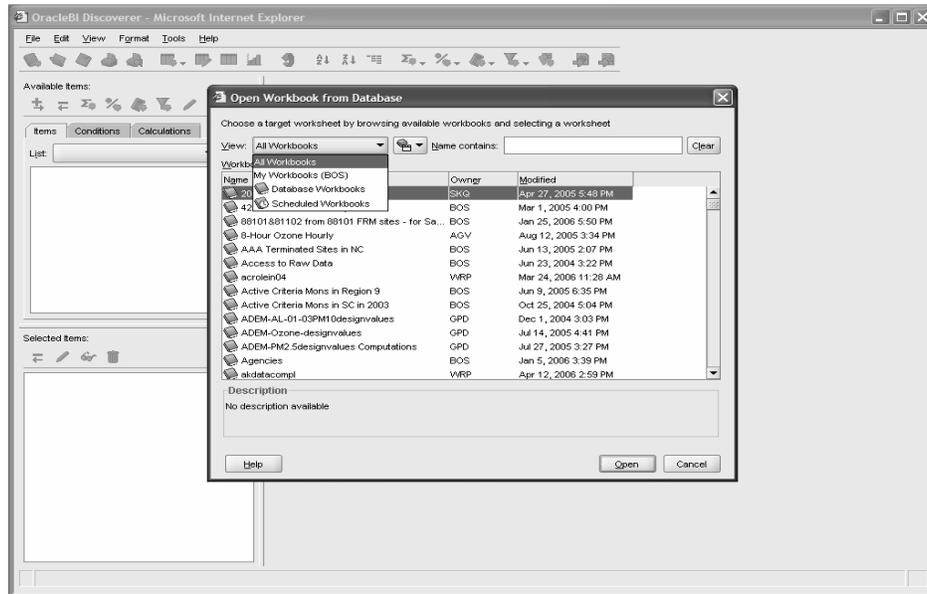


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Once the Workbook Wizard starts, you know you have successfully connected.

Now you choose whether to open an existing workbook or create a new one.

## Open an Existing Workbook

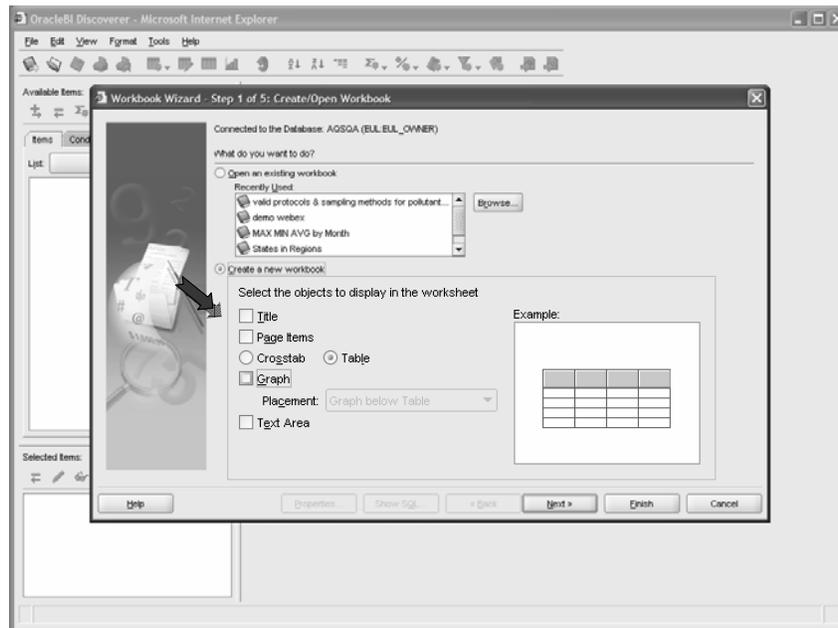


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You can see a list of all workbooks available to your userid, All Workbooks, My Workbooks

Nice feature: you can now see who created the workbook and when it was last modified.

## Create a new workbook



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Once the Workbook Wizard starts, you know you have successfully connected. Only 5 steps in the Workbook Wizard now (instead of 10).

The simplest workflow is to use the essential steps:

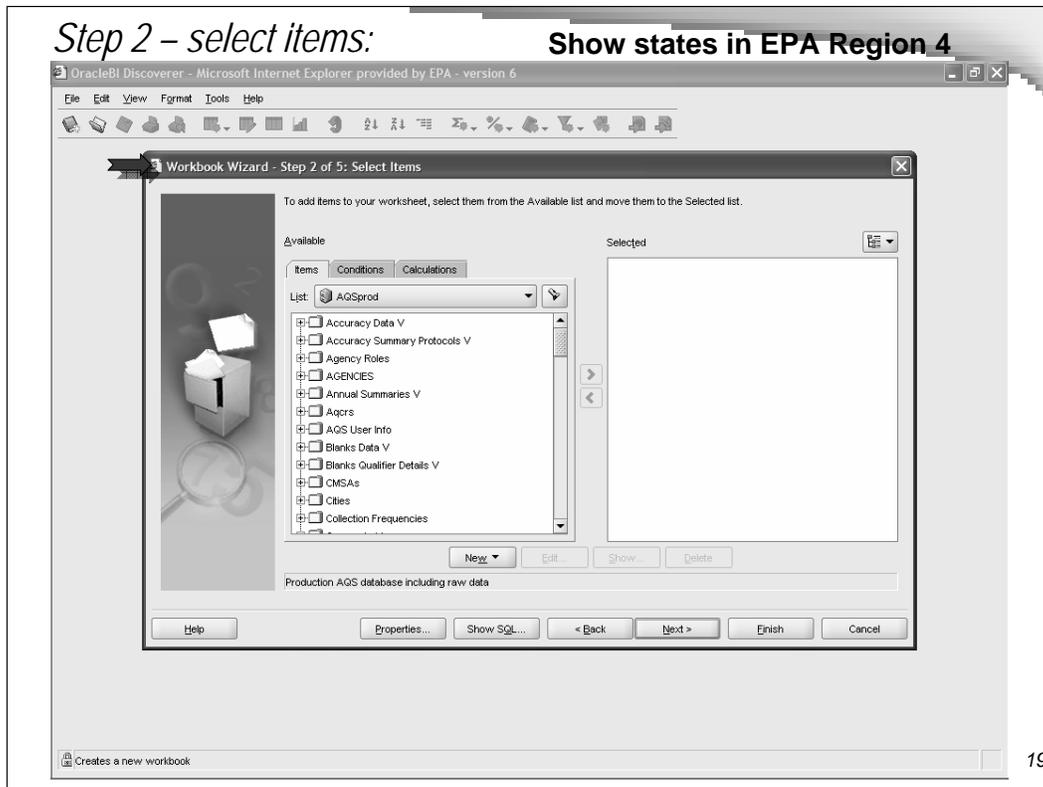
- 1- Choose a worksheet type
- 2- Choose the items
- 3- Arrange the layout of the data
- 4- Define conditions
- 5- Finish

If creating a new workbook, then use the check boxes and radio buttons for the options that can be displayed.

For the simplest workbook, uncheck Title, Page Items, Graph, and Text Area. (You can change the defaults for Title and Text Area but not for Page Items, Crosstab, Table, and Graph.)

“Page Detail” worksheets consume a lot of memory. A “Table” is the most efficient type of worksheet.

To demonstrate the steps, we’ll create a workbook that shows the states assigned to EPA Region 4.



This step is probably the one you'll spend the most time using.

Step 2 window has 5 areas:

- 1) Selection box with heading "Available" that has 3 tabs (items, conditions, & calculations)
 

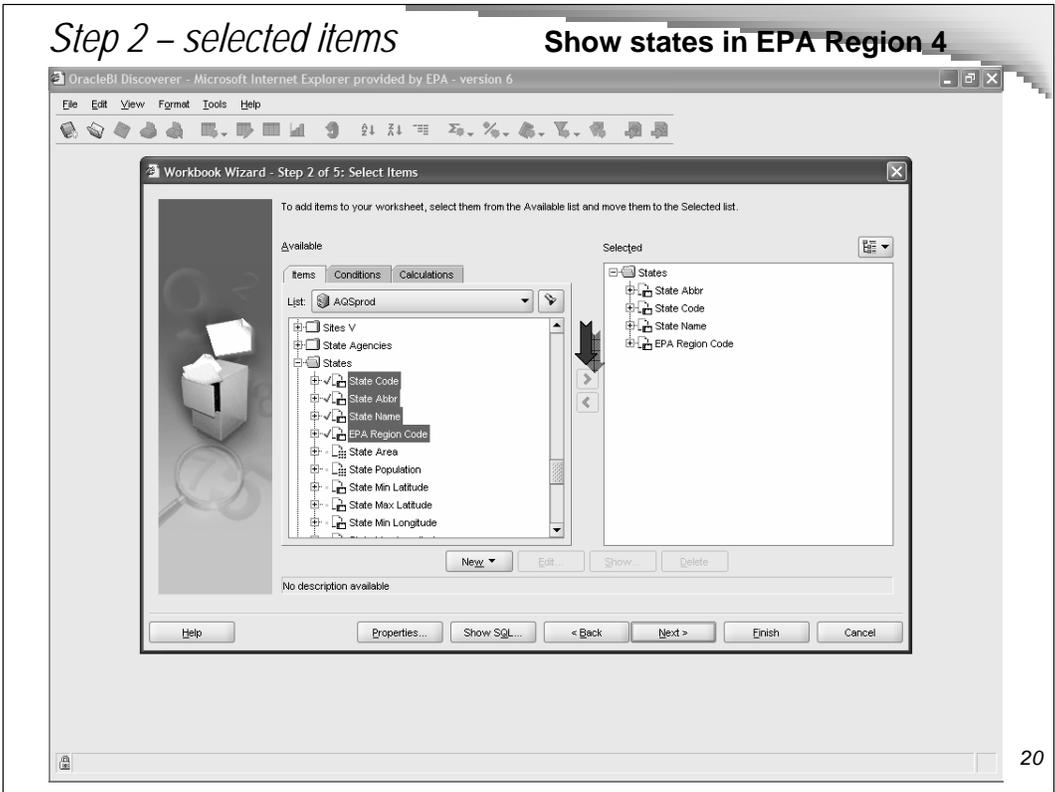
Under the Items tab, you choose from the list of available business areas. You can click to highlight a folder or items and use the move button (>) to select, or drag and drop folders/items in the Selected box, or right click on a folder or item and choose "add" from the pop-up menu.
- 2) Box with the heading "Selected" – where you put your choices. Here you can also highlight and move items back or right click and choose "remove" from the pop-up menu.
- 3) Views drop-down – right above the Selected box. You can choose to include the folder names with the items
- 4) 4 additional buttons: New, Edit, Show, Delete
 

New: to create new conditions, calculations, percentages, and totals

Edit: use to edit existing conditions, calculations, percentages, and totals

Show: to show details about predefined conditions

Delete: to delete a user-defined condition, calculation, percentage, or total
- 5) Find button – flashlight: Opens a Find dialog box. You can use it to find the folder(s) an item is stored in the business area.



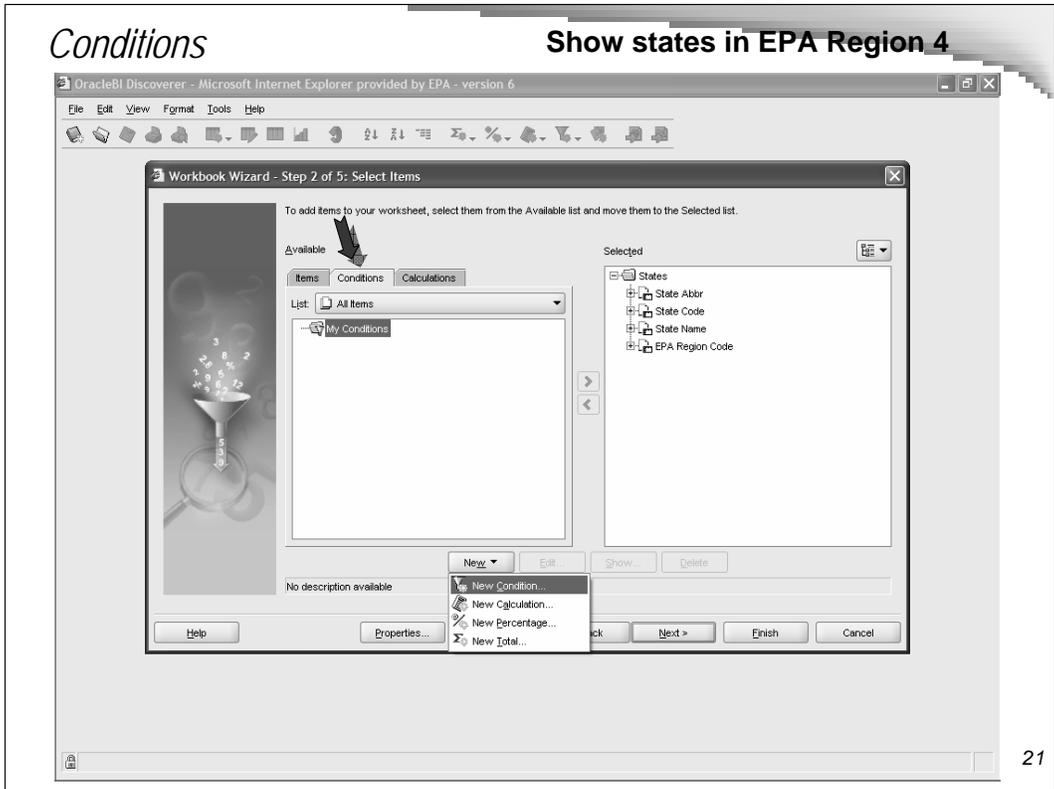
Selected items will have the check mark beside them in the “available” box.

Item Types:

Strings and dates

Numbers

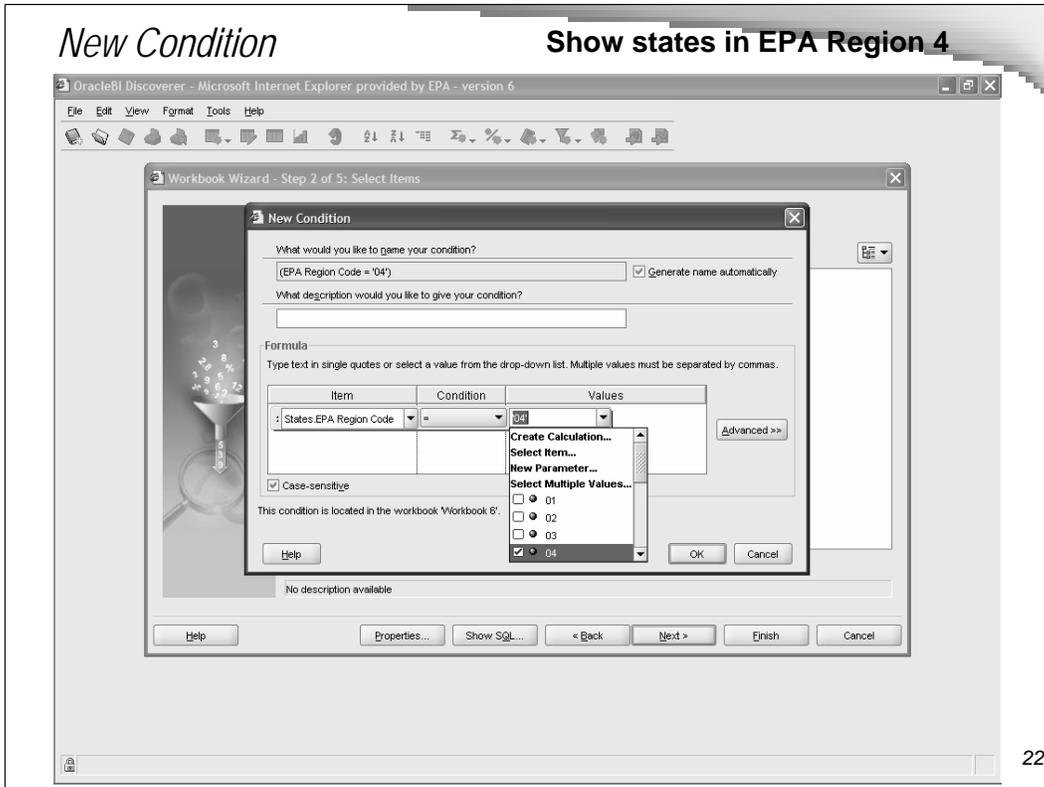
Predefined conditions



Still in Step 2, you define conditions for your worksheet. Be careful what you ask for. For example, if you ask for raw data without limiting your request by a time period and geographical area and pollutant, you'll be asking for much more information than you likely want. If you're expecting a lot of data to be returned and you're not sure that you know how you need to format your results, add a condition that will significantly reduce the number of rows that will be returned while you work on creating your query. Then, when you have it like you want it, you can change or eliminate that condition.

## New Condition

## Show states in EPA Region 4

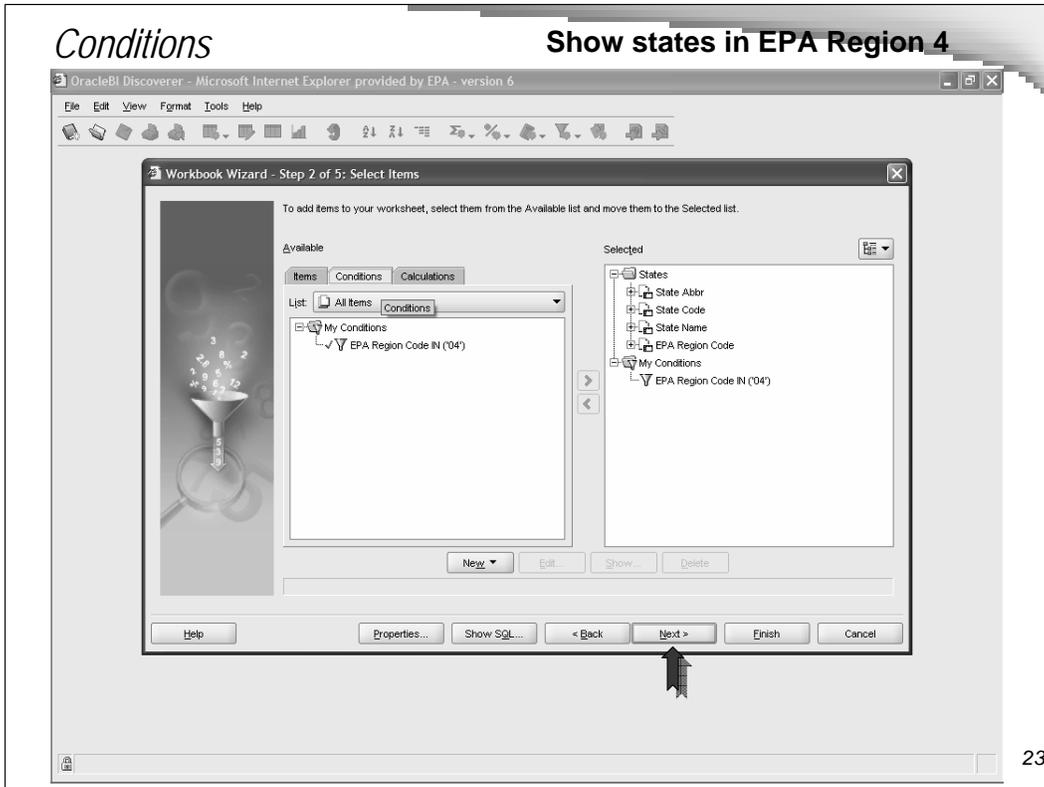


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Many items in the business area have a list of values you can select from.

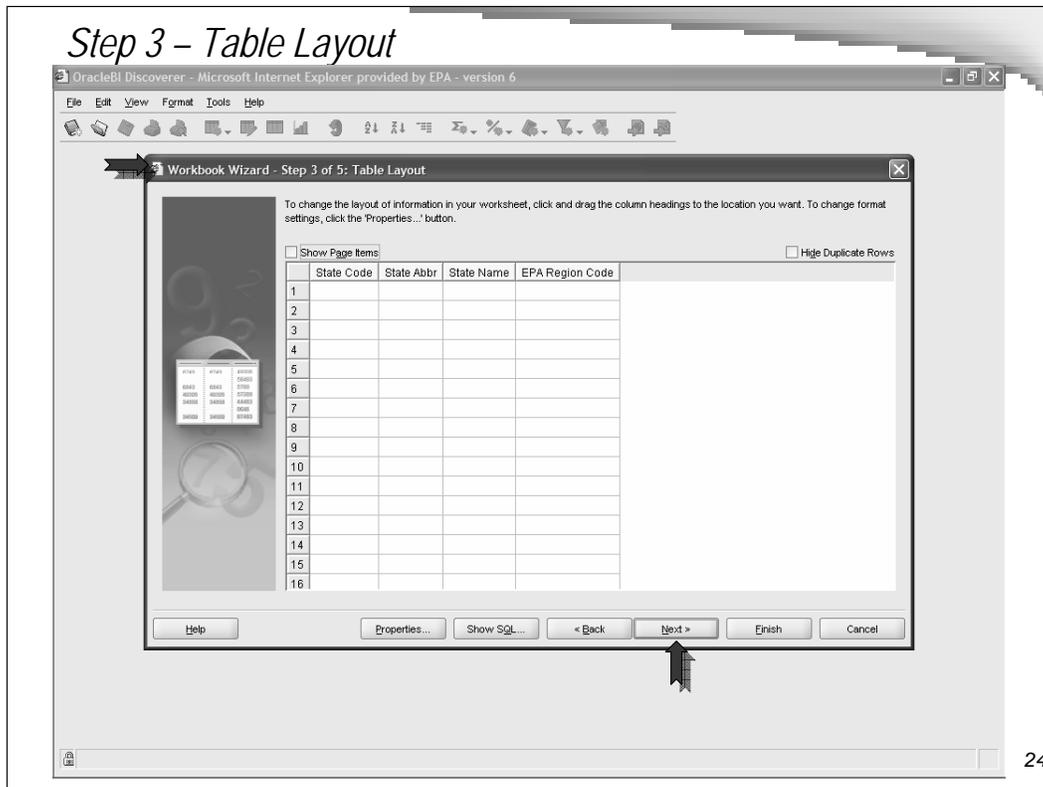
## Conditions

## Show states in EPA Region 4



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Notice that your condition displays under the Selected items.

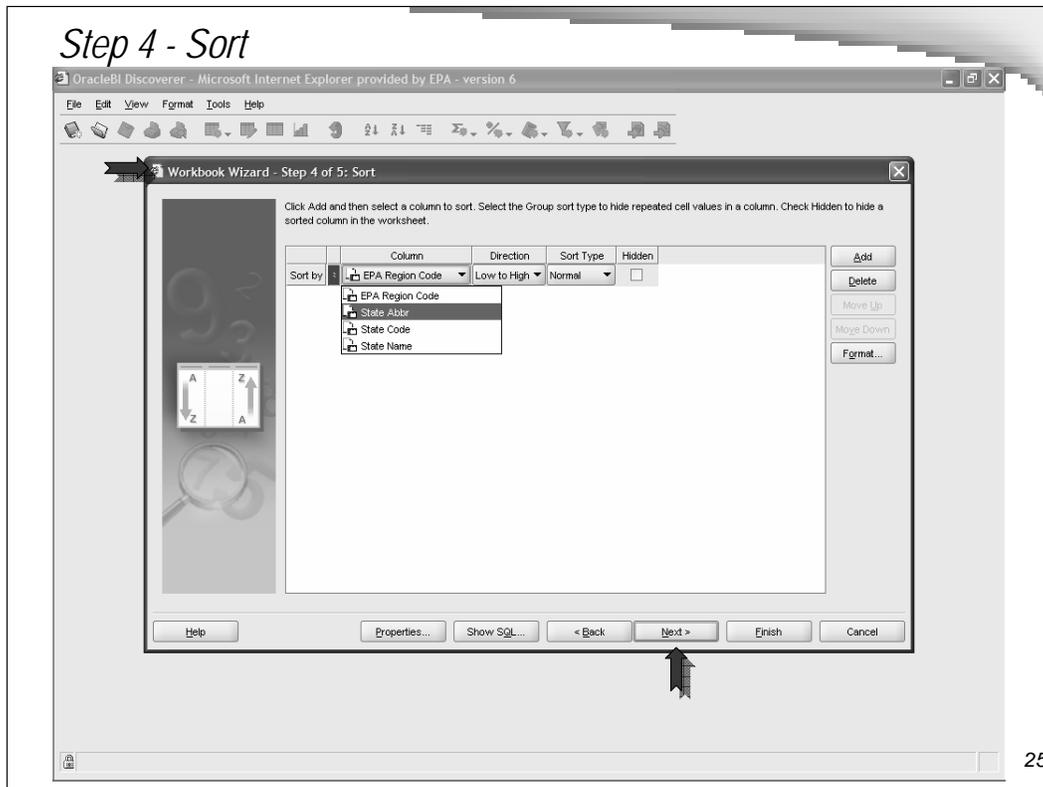


### Step 3:

By default, Discoverer will display items in the order you selected them. Here you can change that order and it's easier than before. If you have a large number of columns, you don't have to drag it over as far as you can, then scroll over and drag it again.

You also get the chance to make 2 other choices: Page Items and Hide Duplicate Rows

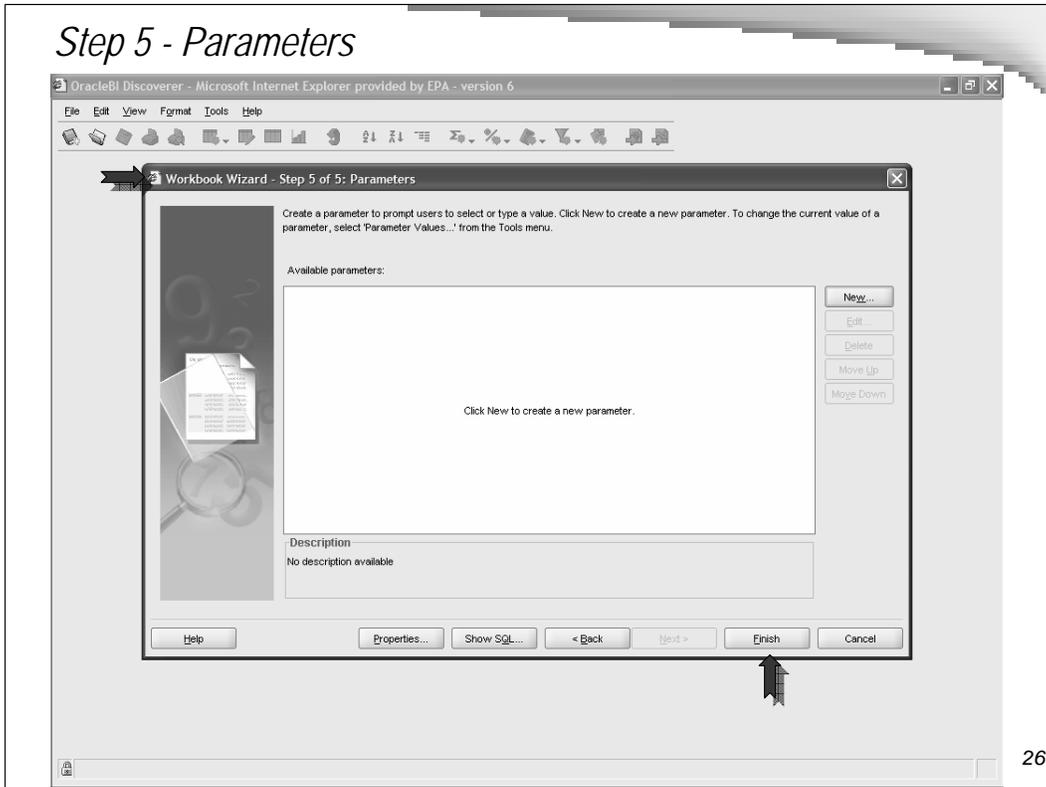
There are times when you want to hide duplicate rows. For example, if you request an item from a table that includes a date/time, but you're not interested in the date/time – it just happens to be the table that has the other info you want – then you would check the "hide duplicate rows" box.



Step 4: No sort by default. When you click to Add a sort, Discoverer suggests the first item (alphabetically) and you just change that to the one you want.

Group Sort versus Regular Sort: Group sort makes it easier to see breaks in the data, but may not be helpful if you're exporting to spreadsheet since there could be blank cells.

## Step 5 - Parameters



Step 5 – Parameters. These are NOT the AQS parameter codes you are familiar with. Think of these as prompts you’d like to see to help restrict your data to a smaller set. There are examples of the use of Parameters in some queries that have been shared with all users. One is “Monitor Reporting Status by Screening Group”.



# Results

State Code	State Abbr	State Name	EPA Region Code
01	AL	Alabama	04
12	FL	Florida	04
13	GA	Georgia	04
21	KY	Kentucky	04
28	MS	Mississippi	04
37	NC	North Carolina	04
45	SC	South Carolina	04
47	TN	Tennessee	04

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Simplest look at results.

*Results with view of all options showing*

The screenshot shows the OracleBI Discoverer interface in Microsoft Internet Explorer. The browser title is "Workbook 10 - OracleBI Discoverer - Microsoft Internet Explorer provided by EPA - version 6". The interface includes a menu bar (File, Edit, View, Format, Tools, Help), a toolbar, and a main workspace. On the left, there is a sidebar with "Available Items" and "Selected Items". The "Available Items" list includes "States" with sub-items: State Code, State Abbr, State Name, EPA Region Code, State Area, State Population, State Min Latitude, State Max Latitude, State Min Longitude, State Max Longitude, and Summary Maximums V. The "Selected Items" list includes State Abbr, State Code, State Name, EPA Region Code, and EPA Region Code IN (104'). The main workspace contains a table with the following data:

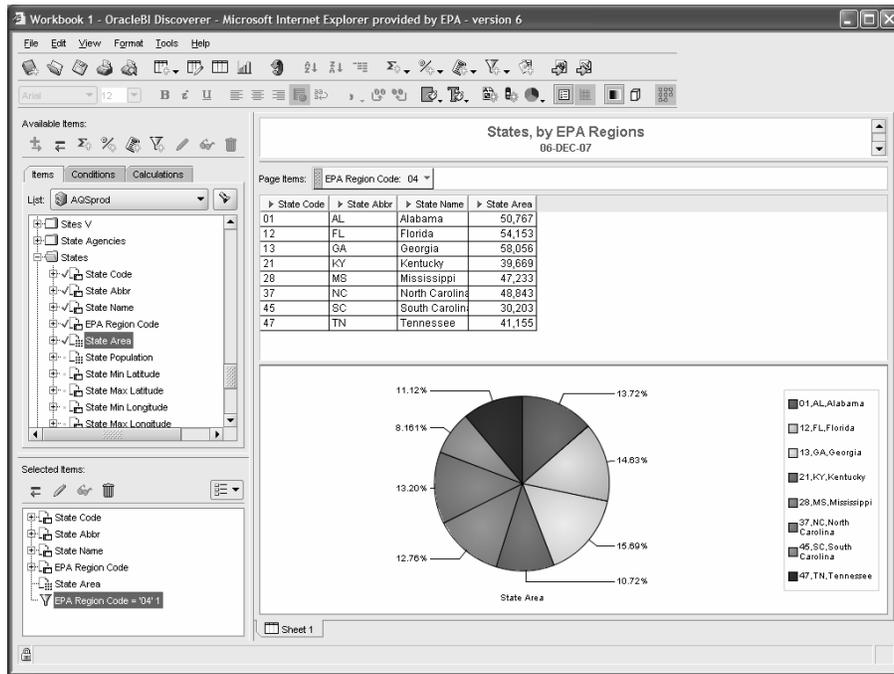
State Code	State Abbr	State Name	EPA Region Code
01	AL	Alabama	04
12	FL	Florida	04
13	GA	Georgia	04
21	KY	Kentucky	04
28	MS	Mississippi	04
37	NC	North Carolina	04
45	SC	South Carolina	04
47	TN	Tennessee	04

Below the table, there is a message: "A graph cannot be plotted because this worksheet does not contain any datapoints." The interface also includes a "Page Items" section and a "Double-click here to edit the title" area at the top of the main workspace.

Results shown while all the options are visible.

If you move the Region to a page item and add the State area item, then you can get something like this.

## Results modified while viewing



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If you move the Region to a page item and add the State area item, then you can get something like this.

## *Demo*

### **Inactive monitors:**

1. List all criteria monitors for a state that don't have a sampling end date and don't have any data reported in the past 90 days.
2. Modify worksheet to show all monitors for this state grouped by screening group.
3. Modify worksheet again to rate reporting based on how long it's been since data was posted for each monitor.

# One possible result

Monitor Reporting Status by Screening Group - OracleBI Discoverer - Microsoft Internet Explorer provided by EPA - version 6

File Edit View Format Tools Help

Monitor Reporting Status  
 (Only for supposedly active monitors, i.e., those with no recorded Sampling Period End date)  
 State Code(s) : '37', Sampling Began by : '06-DEC-2007', Last Sampling Date no later than : '06-DEC-2007', Parameter (Pollutant) Classification : 'CRITERIA'  
 # Days since last recorded data : <=45 Desirable, 45-95 Acceptable, >=95 Unacceptable

	> Screening Group Name	> Parameter Desc	> Monitor ID	> Date Sampling Began	> Last Sampling Date	> # Days since last recorded data
1	Eastern Band Cherokee, NC	OZONE	37-099-0005-44201-1	01-APR-1999	31-OCT-2006	401
2		PM2.5 - LOCAL CONDITIONS	37-099-0006-88101-1	01-APR-2000	30-SEP-2007	67
3		PM2.5 - LOCAL CONDITIONS	37-099-0006-88101-2	01-APR-2000	27-SEP-2007	70
4	Forsyth Co, NC	CARBON MONOXIDE	37-067-0022-42101-1	09-JUL-1993	10-SEP-2004	1182
5		CARBON MONOXIDE	37-067-0023-42101-1	14-NOV-1988	30-SEP-2007	67
6		CARBON MONOXIDE	37-067-0029-42101-1	21-NOV-2000	31-DEC-2004	1070
7		NITROGEN DIOXIDE	37-067-0022-42602-1	01-JAN-1984	30-SEP-2007	67
8		OZONE	37-067-0022-44201-1	21-MAY-1993	31-OCT-2007	36
9		OZONE	37-067-0027-44201-1	01-APR-1994	02-NOV-2004	1129
10		OZONE	37-067-0028-44201-1	01-APR-1996	31-OCT-2007	36
11		OZONE	37-067-0030-44201-1	27-APR-2005	31-OCT-2007	36
12		OZONE	37-067-1008-44201-1	01-APR-1988	31-OCT-2007	36
13		PM10 TOTAL 0-10UM STP	37-067-0022-81102-1	18-OCT-1999	30-SEP-2007	67
14		PM10 TOTAL 0-10UM STP	37-067-0023-81102-2	01-OCT-1993	30-SEP-2007	67
15		PM2.5 - LOCAL CONDITIONS	37-067-0022-88101-1	01-JAN-1999	31-OCT-2007	36
16		PM2.5 - LOCAL CONDITIONS	37-067-0022-88101-3	16-JUN-1999	20-SEP-2006	442
17		PM2.5 - LOCAL CONDITIONS	37-067-0030-88101-1	01-AUG-2004	30-OCT-2007	37
18		PM2.5 - LOCAL CONDITIONS	37-067-0030-88101-3	01-AUG-2004	20-SEP-2006	442
19		SULFUR DIOXIDE	37-067-0022-42401-1	01-JAN-1983	31-OCT-2007	36
20	Mecklenburg Co, NC	CARBON MONOXIDE	37-119-0041-42101-1	11-NOV-1999	31-OCT-2007	36
21		CARBON MONOXIDE	37-119-0041-42101-3	27-APR-2005	31-OCT-2007	36
22		NITROGEN DIOXIDE	37-119-0041-42602-1	12-NOV-1999	31-OCT-2007	36

Sheet 1

This example is shared with all users. It demonstrates using formatting headings, group sort, conditions, conditional formatting (stoplight), title –with conditions and date automatically included, and a calculation using the current system date. Users can save shared queries under their own userid and then edit to suit themselves. (May want to just use conditions instead of prompts if always looking at the same state, etc.)

## Another way to look at the same results

Monitor Reporting Status by Screening Group - OracleBI Discoverer - Microsoft Internet Explorer provided by EPA - version 6

File Edit View Format Tools Help

ADWAL

**Monitor Reporting Status**  
 (Only for supposedly active monitors, i.e., those with no recorded Sampling Period End date)  
 State Code(s) : '37', Sampling Began by : '11-DEC-2007', Last Sampling Date no later than : '11-DEC-2007', Parameter (Pollutant) Classification : 'CRITERIA'  
 # Days since last recorded data : **45** Desirable, **45-95** Acceptable, **95** Unacceptable

	> Parameter Desc	> Screening Group Name	> Monitor ID	> Date Sampling Began	> Last Sampling Date	> # Days since last recorded data
1	CARBON MONOXIDE	Forsyth Co, NC	37-067-0022-42101-1	09-JUL-1993	10-SEP-2004	1107
2			37-067-0023-42101-1	14-NOV-1988	31-OCT-2007	41
3			37-067-0029-42101-1	21-NOV-2000	31-DEC-2004	1075
4		Mecklenburg Co, NC	37-119-0041-42101-1	11-NOV-1999	31-OCT-2007	41
5			37-119-0041-42101-3	27-APR-2005	31-OCT-2007	41
6		North Carolina EDAS	37-033-0001-42101-1	15-MAY-2007	30-SEP-2007	72
7			37-051-0007-42101-1	23-OCT-2006	31-OCT-2007	41
8			37-063-0015-42101-1	15-MAY-2007	18-SEP-2007	84
9			37-081-1011-42101-1	01-OCT-2007	31-OCT-2007	41
10			37-159-0021-42101-1	15-MAY-2005	31-OCT-2007	41
11			37-183-0014-42101-1	22-AUG-2006	31-OCT-2007	41
12	NITROGEN DIOXIDE	Forsyth Co, NC	37-067-0022-42802-1	01-JAN-1984	30-SEP-2007	72
13		Mecklenburg Co, NC	37-119-0041-42802-1	12-NOV-1999	31-OCT-2007	41
14	OZONE	Eastern Bland Cherokee, NC	37-099-0005-44201-1	01-APR-1999	31-OCT-2006	408
15		Forsyth Co, NC	37-067-0022-44201-1	21-MAY-1993	31-OCT-2007	41
16			37-067-0027-44201-1	01-APR-1994	02-NOV-2004	1134
17			37-067-0028-44201-1	01-APR-1996	31-OCT-2007	41
18			37-067-0030-44201-1	27-APR-2005	31-OCT-2007	41
19			37-067-1008-44201-1	01-APR-1998	31-OCT-2007	41
20		Mecklenburg Co, NC	37-119-0041-44201-1	01-APR-2000	31-OCT-2007	41
21			37-119-1005-44201-1	01-JAN-1980	31-OCT-2007	41
22			37-119-1009-44201-1	15-OCT-1979	31-OCT-2007	41

Sorted by Screening Group Name    Sorted by Parameter Desc

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When you're building a query/worksheet, start with something simple and then build on that. If you want to keep the results from your first (and 2<sup>nd</sup> and 3<sup>rd</sup> and 4<sup>th</sup>...), on the top line menu, select Edit, then Duplicate Worksheet. You can also right click on the worksheet name (bottom left) and change the worksheet name from its properties popup. This version sorted by parameter (pollutant) description.

## *Points Worth Remembering*

- AQSprod is the database name
- Your Discoverer userid/password are the same as your AQS application userid/password
- Only registered AQS users can access AQSprod via Discoverer
- Discoverer accesses the live production database (AQSprod – same as the AQS application)
  
- Your browser must allow downloads of signed Active X controls to install the JRE (Java Runtime Environment) from Sun.
- Version 6 of Java does not work with this version of Discoverer -- or if it does work on your PC, it is very slow. (There are reports of Java 6, release 2 working but not release 3.)
- MS Internet Explorer v 7 is NOT recommended at this time
- If you delete your cookies, you'll have to recreate your Connection
- If you switch PC's, you'll have to recreate your Connection
  
- The AQS basic business area has the most commonly used tables
- The AQSprod business area includes all the tables in AQS basic plus Raw Data – Current and a few other related tables
  
- Use the link on the sidebar of the EPA TTN AQS page <http://www.epa.gov/ttn/airs/airsaqs/> to get to AQS Discoverer Web and then save the direct url to your "favorites"
- You can find answers to some of the Frequently Questions from a link on that same page
- There are also links to 2 spreadsheets on <http://www.epa.gov/ttn/airs/airsaqs/aqsdiscover/> that list the folders and items in each of the 2 business areas for Discoverer
- Many of the reference tables are viewable from <http://www.epa.gov/ttn/airs/airsaqs/manuals/codedescs.htm>

*Thanks for participating!*

For assistance using Discoverer,

- Try the Online Help (It's pretty good!)
- Check the Discoverer Plus User Guide
- Contact the EPA Helpline (Tom Lewis)
- Call or email EPA NADG staff (Jake Summers, Jon Miller, Way Poteat)
- Oracle Technology Network is a good source for information – free registration – look for Discoverer with Data Warehousing and Business Intelligence  
(<http://www.oracle.com/technology/products/discoverer/index.html>)