

## Electronic Reporting of Subpart S Modified Method 26A data with the ERT:

Within 40 CFR 60, Subpart S, except for modification specified in the subpart, Method 26A is to be used to determine chlorine concentration in the vent stream.

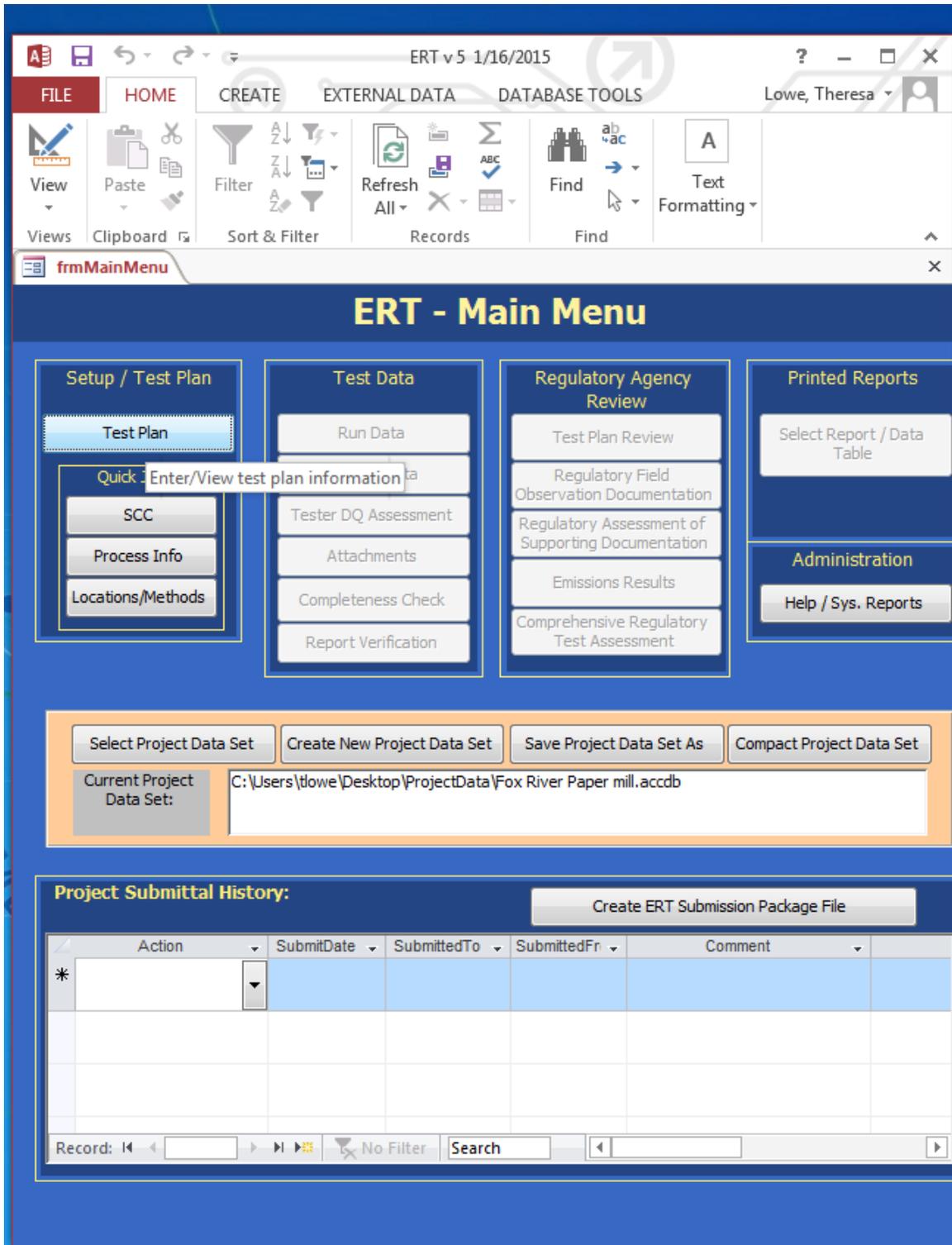
The ERT does not calculate ppm by titration, lb/ODT, or the efficiency limits that are required; these data may be submitted electronically by attaching a spreadsheet to the ERT. Process data, field data and lab data should also be included, and likewise a complete test report should also be attached to the ERT.

### **How to create the ERT file with the Modified Method 26A data:**

Since the Modified Method 26A procedure in Subpart S is not an isokinetic method, only the first point data (point, end time, Gas meter, Delta P, Orifice PresAct, Stack Temp, DryGasInlet and DryGasOutlet) and the ending point data must be entered into the point data tab. No lab data is able to be entered since the calculation is a titration in ppm. In lieu of that, simply attach the lab report, field data sheets and process data (tons ODP) to the ERT file.

**NOTE: WHEN TRYING TO CREATE AN ERT SUBMISSION PACKAGE FILE BE SURE THE .ACCDB FILE IS LOCATED ON THE LOCAL DRIVE.**

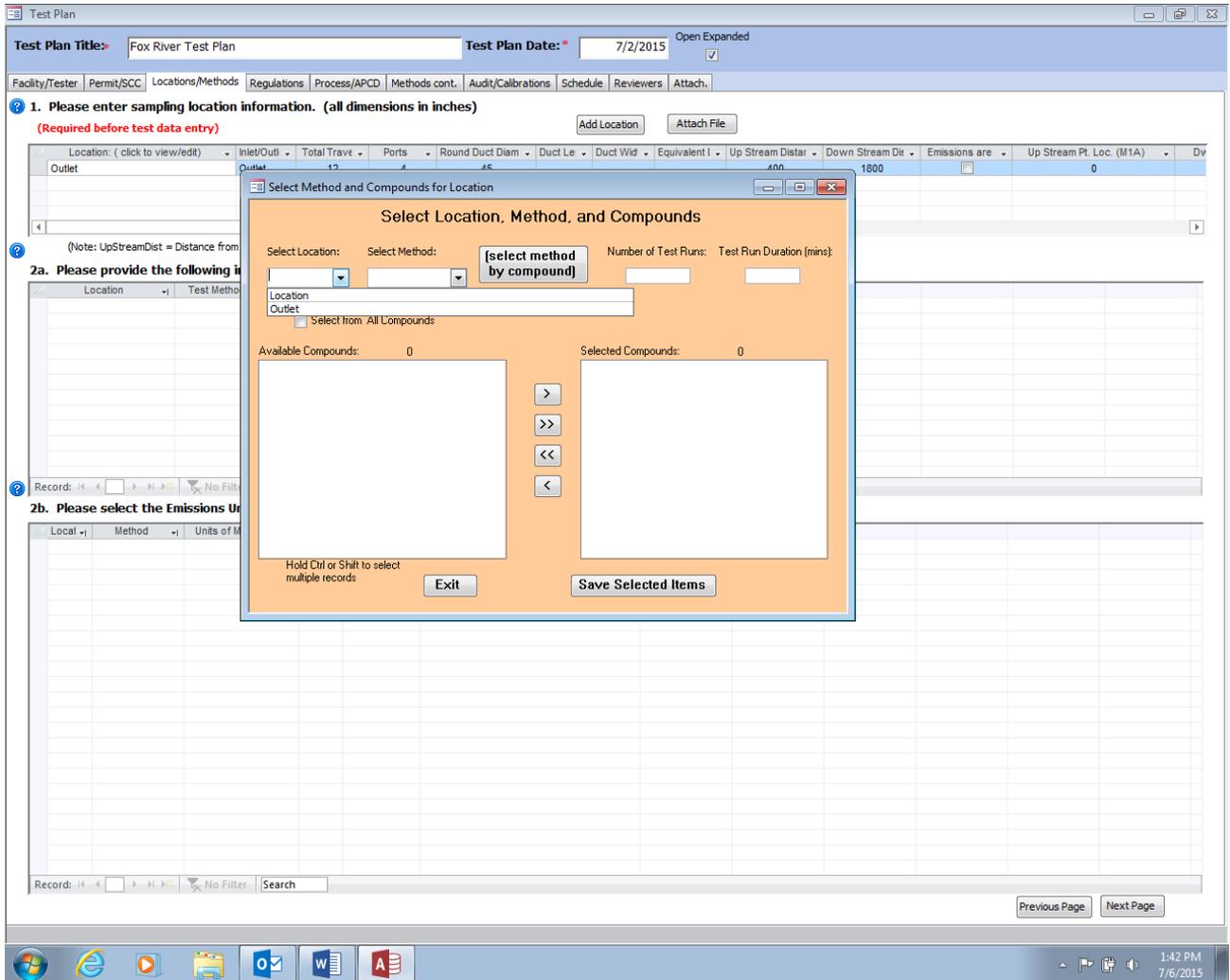
Also, the ERT SUBMISSION PACKAGE FILE has a minimum size limit; if attachments are not included, the file may not be large enough to create a zip file. It is recommended to attach the complete stack test report as a .pdf file in addition to the associated Excel spreadsheets, lab report and production data.



1. After opening up ERT Version 5.0, the ERT – Main Menu will appear. Most buttons in menu will be inactive. In the middle section, click on the Select Project Data Set button. Upload a project data set (access database). Once project data set is uploaded, the test plan needs to be completed



3. Under 2a. Select Add Target Parameters. Select Location, Method, and Compounds dialogue box will appear.
  - a. Under Select Location dropdown, select Location (e.g., Outlet)



- b. Under Select Method dropdown, select method (choose Custom). A Custom Method Information dialogue box will appear.

The screenshot shows a software interface for creating a test plan. The main window is titled "Test Plan" and contains a form for "Fox River Test Plan" with a date of "7/2/2015". The interface is divided into several sections:

- 1. Please enter sampling location information. (all dimensions in inches)** (Required before test data entry)
- 2a. Please provide the following information**
- 2b. Please select the Emissions Units**

A dialog box titled "Select Method and Compounds for Location" is open, showing a list of methods and compounds. The "Custom" method is selected, and a sub-dialog box "Select Location, Method, and Compounds" is also visible, showing a list of available compounds.

The "Select Method and Compounds for Location" dialog box contains the following information:

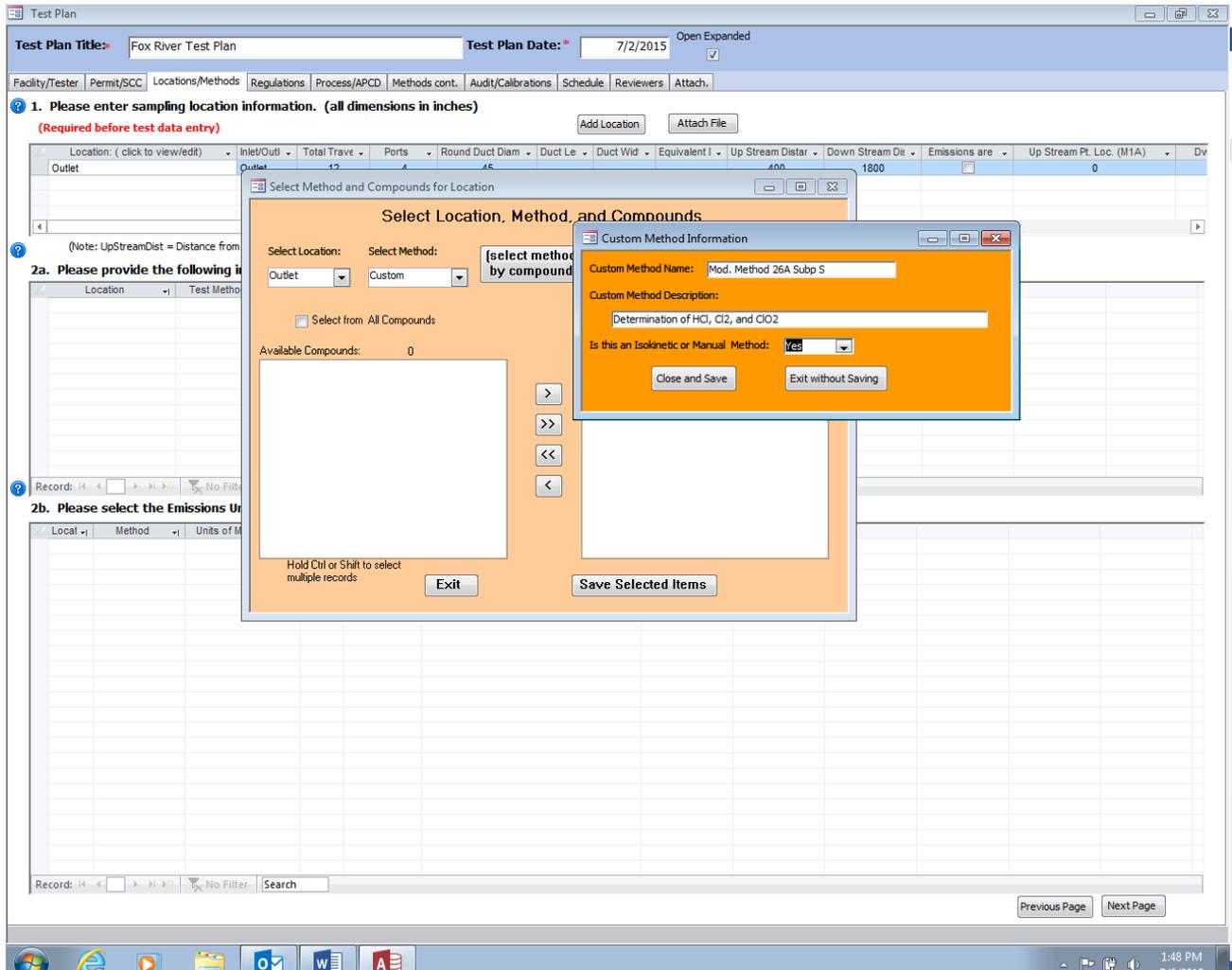
- Select Location:** Outlet
- Select Method:** Custom (selected)
- Number of Test Runs:** 1
- Test Run Duration (mins):** 0

The "Select Location, Method, and Compounds" dialog box contains the following information:

- Available Compounds:**
  - Modified Method 2: Determination of hydrogen chloride, chlorine and chloroform
  - PST CO to PS4 Performance Standard 4 for Carbon Monoxide
  - PST CO2 to PS3 Performance Standard 3 for Carbon Dioxide
  - PST NOx to PS2 Performance Standard 2 for Nitrogen Oxides
  - PST O2 to PS3 Performance Standard 3 for Oxygen
  - PST SO2 to PS2 Performance Standard 2 for Sulfur Dioxide
  - Method 1 - 4 Flowrate / Moisture
  - Method 3A CO2 CO2 - Instrumental
  - Method 3A O2 O2 - Instrumental
  - Method 5 Particulate Matter (PM)
  - Method 5/202 Combination of Methods 5 and 202
  - Method 5@320F Filterable Particulate (filter temperature of 320 F)

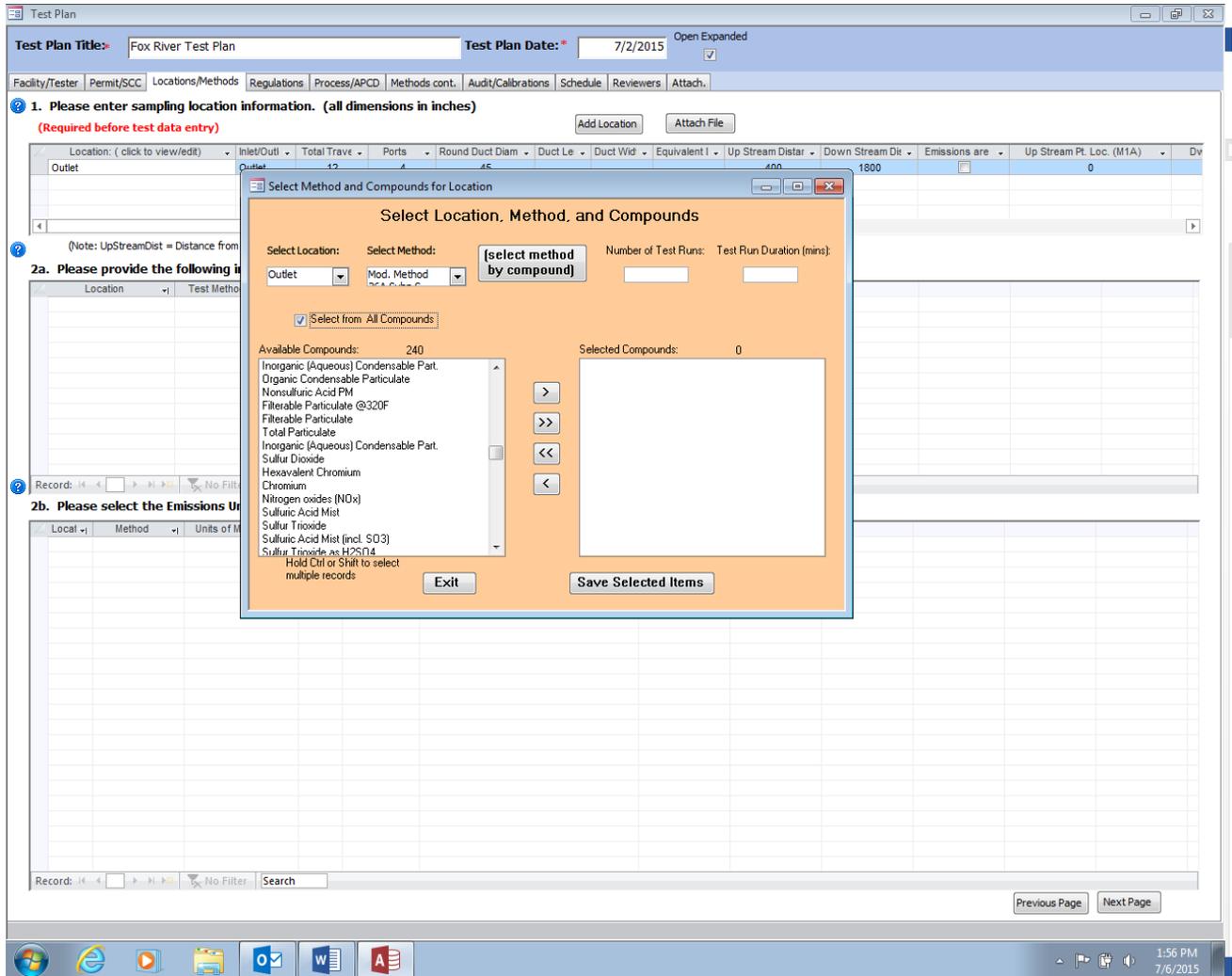
The interface also includes a table for recording data, a search bar, and navigation buttons like "Previous Page" and "Next Page".

- i. In the Custom Method Name space type in: Mod. Method 26A Subp S
- ii. In the Custom Method Description space type in: Determination of Cl2 and ClO2
- iii. For the question, "Is this an Isokinetic or Manual Method": Select Yes from the dropdown.



- iv. Click on the Close and Save button

- v. The Select Location, Method, and Compounds dialogue box will appear. Check the Select from all compounds box



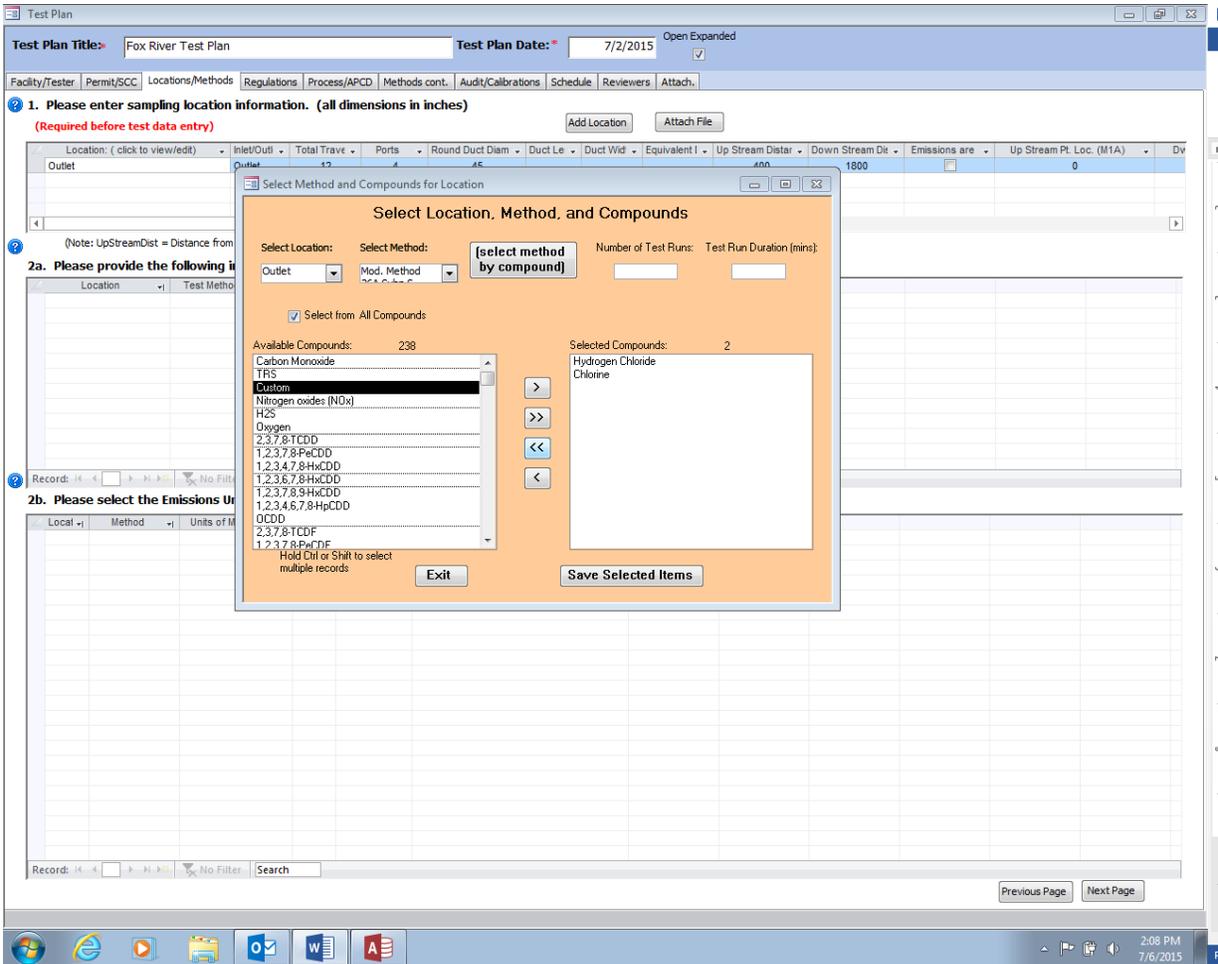
A list of 238 compounds will be displayed in the box on the left.

- vi. Select Chlorine from the list and click on ">" to move the Chlorine to the right box (under "Selected Compounds").

The screenshot shows a software application window titled "Test Plan" for "Fox River Test Plan" dated 7/2/2015. The interface includes a menu bar with options like "Facility/Tester", "Permit/SCC", "Locations/Methods", "Regulations", "Process/APCD", "Methods cont.", "Audit/Calibrations", "Schedule", "Reviewers", and "Attach.". Below the menu, there are instructions: "1. Please enter sampling location information. (all dimensions in inches) (Required before test data entry)" and "2a. Please provide the following information". A table with columns for "Location", "Inlet/Outlet", "Total Travel", "Ports", "Round Duct Diam", "Duct Length", "Duct Width", "Equivalent Length", "Up Stream Distance", "Down Stream Distance", "Emissions area", and "Up Stream Pt. Loc. (MIA)" is visible. A dialog box titled "Select Method and Compounds for Location" is open, showing "Select Location" as "Outlet" and "Select Method" as "Mod. Method". The dialog has a "select method by compound" button. It features two lists: "Available Compounds" (239 items) and "Selected Compounds" (1 item). The "Available Compounds" list includes: Filterable Particulate @320F, Filterable Particulate, Total Particulate, Inorganic (Aqueous) Condensable Part., Sulfur Dioxide, Hexavalent Chromium, Chromium, Nitrogen oxides (NOx), Sulfuric Acid Mist, Sulfur Trioxide, Sulfuric Acid Mist (incl. SO3), Sulfur Trioxide as H2SO4, Sulfur Dioxide, and Chlorine. The "Selected Compounds" list contains "Hydrogen Chloride". Navigation buttons ">", "<<", ">>", and "<" are between the lists. "Exit" and "Save Selected Items" buttons are at the bottom of the dialog. The Windows taskbar at the bottom shows the time as 1:54 PM on 7/6/2015.

To add Chlorine dioxide (which does not appear in list of 238 compounds):

- vii. Select Custom from the list and click on ">" to move to the right box. A Custom Compound dialogue box will appear.



- viii. For the CAS number type in: 10049-04-4
- ix. For the Custom Compound Name type in: Chlorine dioxide
- x. For the Molecular weight type in: 67.45

Test Plan Title: Fox River Test Plan Test Plan Date: 7/2/2015

1. Please enter sampling location information. (all dimensions in inches)  
(Required before test data entry)

Location: (click to view/edit)	Inlet/Outlet	Total Travel	Ports	Round Duct Diam	Duct Le	Duct Wid	Equivalent I	Up Stream Distar	Down Stream Dis	Emissions are	Up Stream Pt. Loc. (M1A)	Dv
Outlet	Outlet	12	4	46				100	1800		0	

2a. Please provide the following information

2b. Please select the Emissions Units

Record: 14

Search

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2:27 PM 7/6/2015

xi. Click on the Close and Save button.

The screenshot displays a software application window titled "Test Plan" for a "Fox River Test Plan" dated "7/2/2015". The interface includes a menu bar with options like "Facility/Tester", "Permit/SCC", "Locations/Methods", "Regulations", "Process/APCD", "Methods cont.", "Audit/Calibrations", "Schedule", "Reviewers", and "Attach".

Key instructions on the screen include:

- 1. Please enter sampling location information. (all dimensions in inches)** (Required before test data entry)
- 2a. Please provide the following information:** (Note: UpStreamDist = Distance from Inlet/Outlet)
- 2b. Please select the Emissions Unit:**

Two dialog boxes are open:

- Select Location, Method, and Compound:** This dialog allows selecting a location (Outlet), method (Custom), and a compound from a list of 238 available compounds. The list includes Carbon Monoxide, TRS, Nitrogen oxides (NOx), H2S, Oxygen, 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, CDD, 2,3,7,8-TCDF, and 1,2,3,7,8-PeCDF. It features navigation arrows and "Exit" and "Save Selected Items" buttons.
- Custom Compound:** This dialog is for defining a custom compound. It shows "CAS Number: 10049-04-4", "Custom Compound Name: Chlorine dioxide", and "Molecular Weight: 67.45". It includes a "Close and Save" button and an "Exit without Saving" button.

The bottom of the window shows a taskbar with various application icons and a system tray displaying the time "2:29 PM" and date "7/6/2015".

- xii. The Select Location, Method, and Compounds dialogue box will appear. For the Number of test Runs type in: 3 or the number of test runs conducted
- xiii. For the Test Run Duration (mins) type in: 60 or the total minutes of the test
- xiv. Click on the Save Selected Items button.

The screenshot displays the 'Test Plan' software interface. At the top, the 'Test Plan Title' is 'Fox River Test Plan' and the 'Test Plan Date' is '7/2/2015'. Below this is a navigation menu with options like 'Facility/Tester', 'Permit/SCC', 'Locations/Methods', etc.

**1. Please enter sampling location information. (all dimensions in inches)**  
 (Required before test data entry)

Location (click to view/edit)	Inlet/Outlet	Total Travel	Ports	Round Duct Diam	Duct Le	Duct Wid	Equivalent I	Up Stream Distar	Down Stream Dist	Emissions are	Up Stream Pt. Loc. (M1A)	Dv
Outlet	Outlet	12	4	45				400	1800	<input type="checkbox"/>	0	

(Note: UpStreamDist = Distance from upstream disturbance; DwnStreamDist = Distance from downstream disturbance)

**2a. Please provide the following information for each test parameter. (Required before test data entry)**  
 Add Target Parameters

Location	Test Method	Target Parameter	Num Test Runs	Test Run Duration	Comments
Outlet	Method 26A subp S	Chlorine Dioxide	3	60	
Outlet	Method 26A subp S	Chlorine	3	60	

**2b. Please select**

Select from All Compounds

**Select Method and Compounds for Location**

Select Location:     Select Method:     [select method by compound]    Number of Test Runs:     Test Run Duration (mins):

Select from All Compounds

<p>Available Compounds: 238</p> <ul style="list-style-type: none"> <li>Carbon Monoxide</li> <li>Custom</li> <li>H2S</li> <li>Nitrogen oxides (NOx)</li> <li>TRS</li> <li>Oxygen</li> <li>2,3,7,8-TCDD</li> <li>1,2,3,7,8-PeCDD</li> <li>1,2,3,6,7,8-HxCDD</li> <li>1,2,3,7,8,9-HxCDD</li> <li>1,2,3,4,6,7,8-HpCDD</li> <li>OCDD</li> <li>2,3,7,8-TCDF</li> <li>1,2,3,7,8-PeCDF</li> </ul> <p>Hold Ctrl or Shift to select multiple records</p>	<p>Selected Compounds: 2</p> <ul style="list-style-type: none"> <li>Chlorine</li> <li>Chlorine dioxide</li> </ul>
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Record: 1 of 1    No Filter    Search    Previous Page    Next Page

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Test Plan

Test Plan Title: Fox River Test Plan Test Plan Date: 7/2/2015 Open Expanded

Facility/Tester Permit/SCC Locations/Methods Regulations Process/APCD Methods cont. Audit/Calibrations Schedule Reviewers Attach.

**1. Please enter sampling location information. (all dimensions in inches)**  
 (Required before test data entry) Add Location Attach File

Location: (click to view/edit)	Inlet/Outl	Total Trave	Ports	Round Duct Diam	Duct Le	Duct Wid	Equivalent I	Up Stream Distar	Down Stream Dit	Emissions are	Up Stream Pt. Loc. (M1A)	Dv
Outlet	Outlet	12	4	45				400	1800	<input type="checkbox"/>	0	

(Note: UpStreamDist = Distance from upstream disturbance; DwnStreamDist = Distance from downstream disturbance)

**2a. Please provide the following information for each test parameter. (Required before test data entry)** Add Target Parameters

Location	Test Method	Target Parameter	Num Test Runs	Test Run Duration	Comments
Outlet	Method 26A Subp S	Chlorine Dioxide	3	60	
Outlet	Method 26A Subp S	Chlorine	3	60	

Record: 1 of 2 No Filter Search

**2b. Please select the Emissions Units of Measure for each location.** Add Emissions/Concentrations

Local	Method	Units of Measure	Corre	Corrected %	Process Rate, Parameter
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Record: No Filter Search

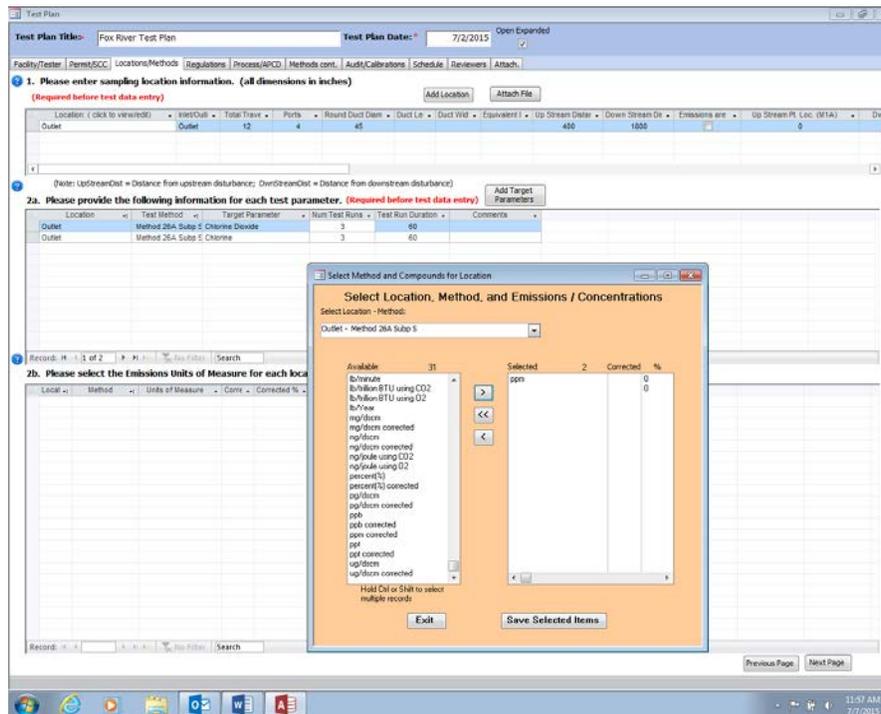
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The Test Plan page will appear with the Locations/Methods tab open.

- xv. Under 2b. Click on the Add Emission/Concentrations button. A Select Location, Method, and Compounds dialogue box will appear.

- xvi. Under the Select Location – Method dropdown, select Outlet – Mod. Method 26A Subp S from the dropdown.
- xvii. Select ppm from the box on the left and then click on “>” to move over to the box on the right.
- xviii. Click on the Save Selected Items button.



Need to click through all of the Next and Finish buttons at the bottom of each page. The ERT – Main Menu will appear.

Enter run data by importing a spreadsheet or hand entering the data into the ERT for Method 26A on the exhaust stack. Attach the field data sheets and the lab data sheets. The lab tab should be left blank since it is in mass and not the titration calculation needed.

The ERT cannot calculate chlorine in PPM so be sure to attach the spreadsheet with the calculations (if you used one) and lab report. It is also important since Subpart S allows reporting in 3 different units to attach the process data for Oven dried pulp tons. This will be needed for emission factor development. These attachments could be contained in a complete test report and not divided out into different attachments.

Once all the data and attachments are entered into the ERT file,  
 you MUST create an ERT Submission Package.

**THIS IS ESSENTIAL FOR UPLOAD INTO CDX/CEDRI!!!**