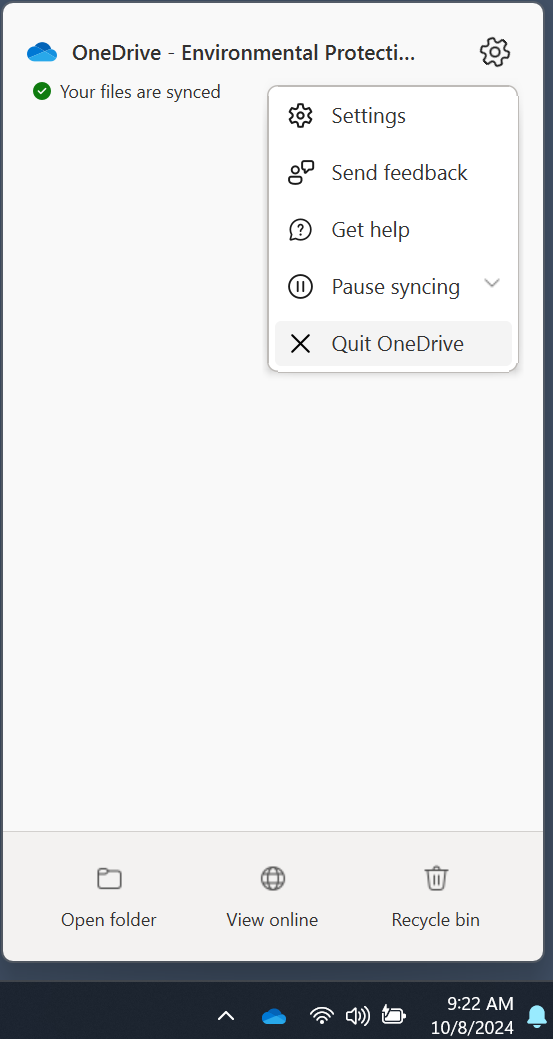
**WASP Testing / Access Instructions**

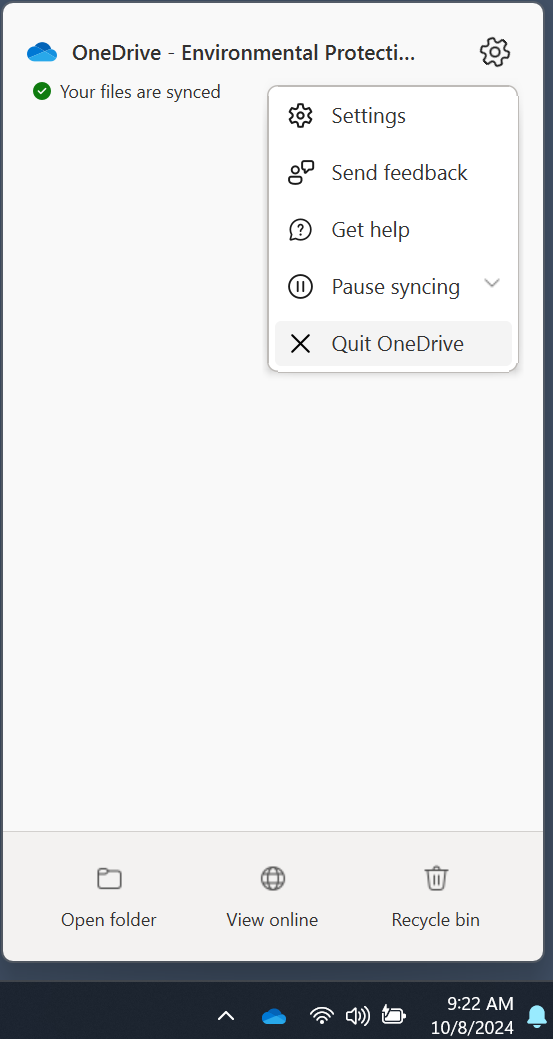
**FOR WINDOWS USERS:**

1. Right-click on the 1) Cloud Icon on the task bar, 2) select the gear, and 3) “Quit OneDrive”



**3**

**2**



**1**

1. Create a WASP directory on your hard drive, **preferably not in a OneDrive folder.**

* For example, C:\Users\NAME\WASP\_Workshop\
* Extract the course materials from the WASP\_Course\_Atlanta\_2024.zip to this folder WASP\_Workshop
  + C:\Users\NAME\WASP\_Workshop\WASP\_Course\_Atlanta\_2024
* The WASP\_Course\_Atlanta\_2024 folder includes several folders with resources, PowerPoints, and examples that we’ll used throughout the course.
* Create a Desktop Shortcut to your “WASP\_Course\_Atlanta\_2024” folder

1. Follow the instructions provided in the “WASP\_Installations (Windows).docx” file.

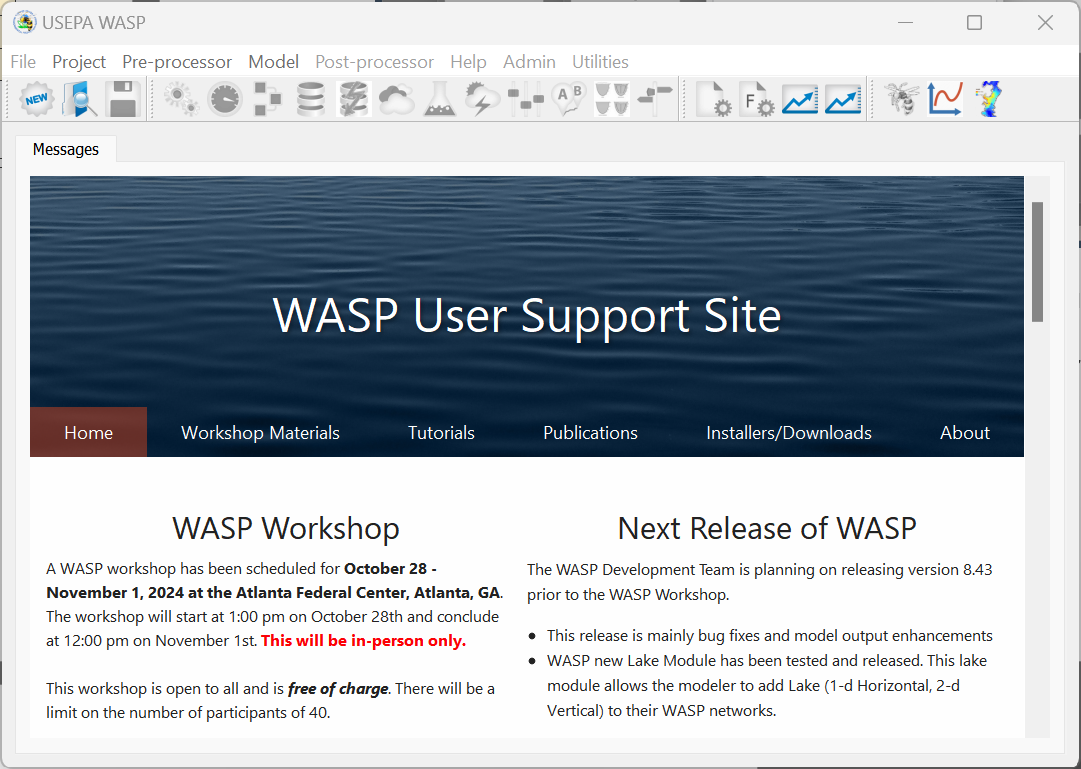
* Note in the table below the locations where these programs are installed on your computer:

|  |  |
| --- | --- |
| **Example Location** | **Location on my Computer** |
| **C:\USEPA-WASP8\wasp\bin\wasp.exe** |  |
| **C:\Water Resources Database 7.1\WRDB.exe** |  |
| **C:\Water Resources Database 7.1\WRDB.Graph.exe** |  |
| **C:\Water Resources Database 7.1\BMDUtil.exe** |  |
| **(optional) C:\Program Files\R\R-4.4.0\bin\R.exe** |  |
| **(optional) C:\Program Files\RStudio\rstudio.exe** |  |

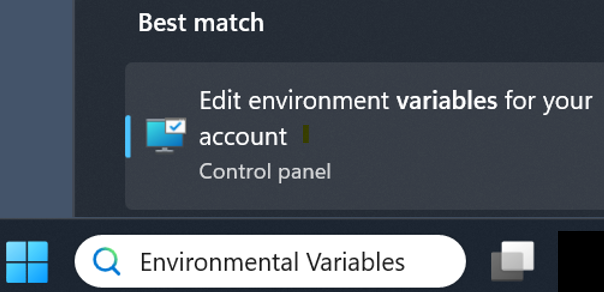
For each of the above .exe files, double click on the executable files and note what happens.

* If all the programs open, then proceed with Step 4.
* If a Windows Defender error appears, then the executable will need to be unblocked. The easiest solution is to right-click on the file, select properties, and unblock the .zip or .exe file. However, on some computers this is not an option, please see the WASP Installations document for more options for unblocking files.
* If unblocking does not work and you are still unable to open these programs, please email me ([york.catherine@epa.gov](mailto:york.catherine@epa.gov)) so I can help troubleshoot.

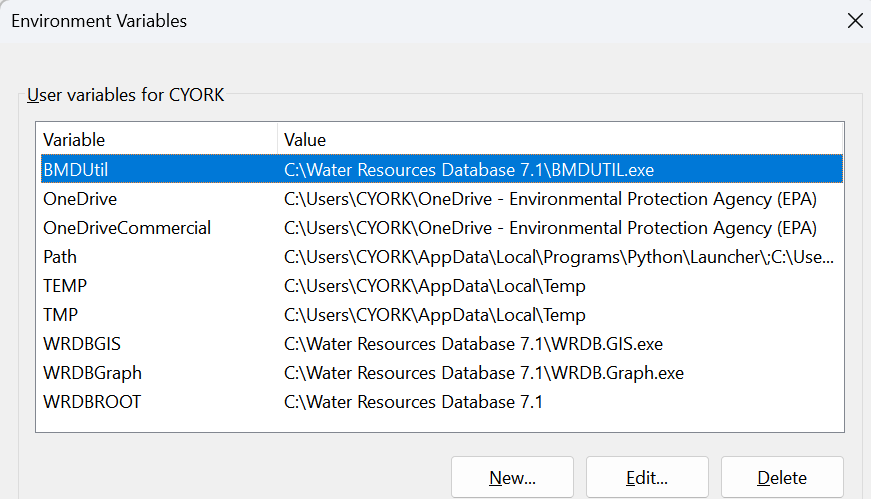
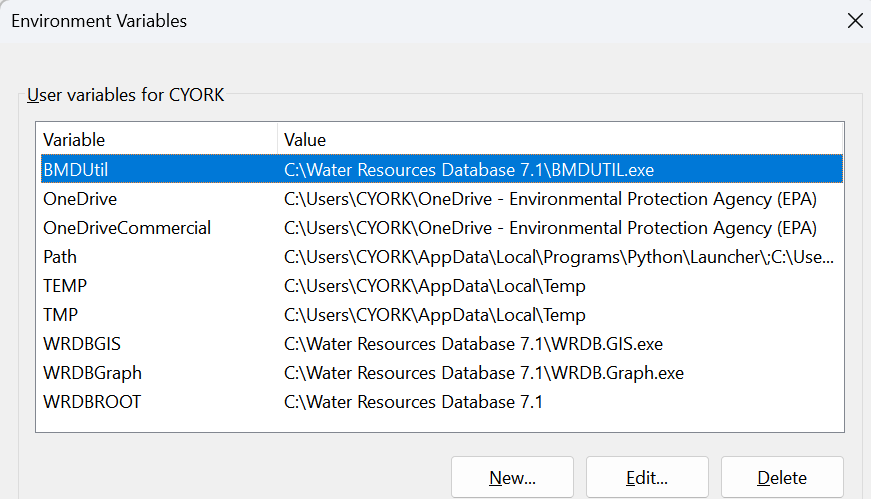
1. Create a Desktop Shortcut for the **wasp.exe** program
2. **Open the wasp.exe program**. Review the toolbar, specifically the two graphing icons toward the right.



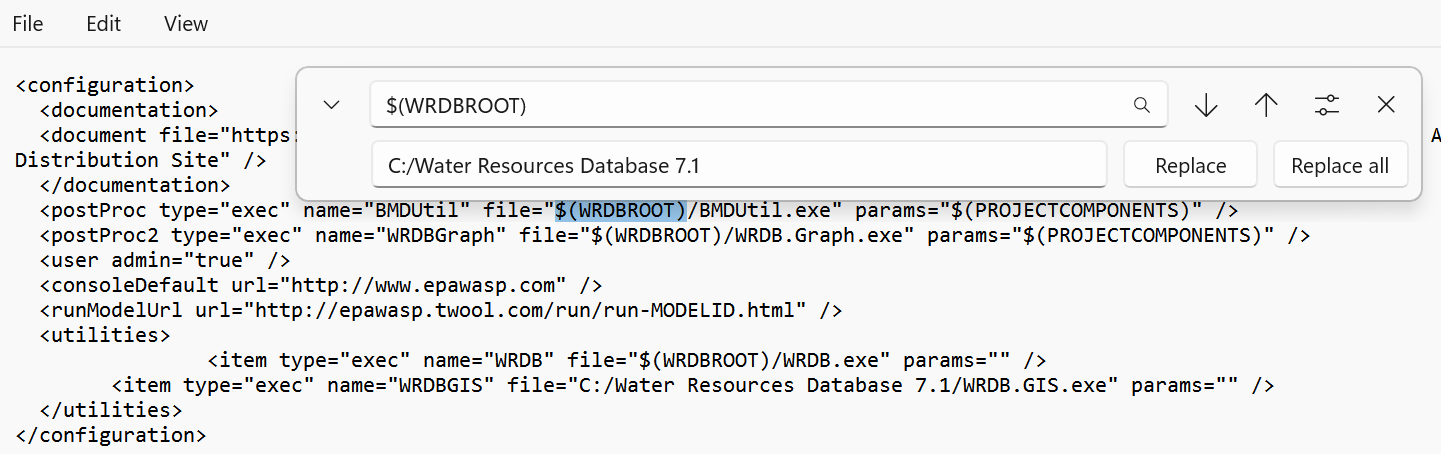
* If the icons are activated with blue lines as shown, then proceed to Step 6
* If the icons are greyed out, then from the taskbar search menu, type “**Environmental Variables**” and select to “**Edit environmental variables for your account**”



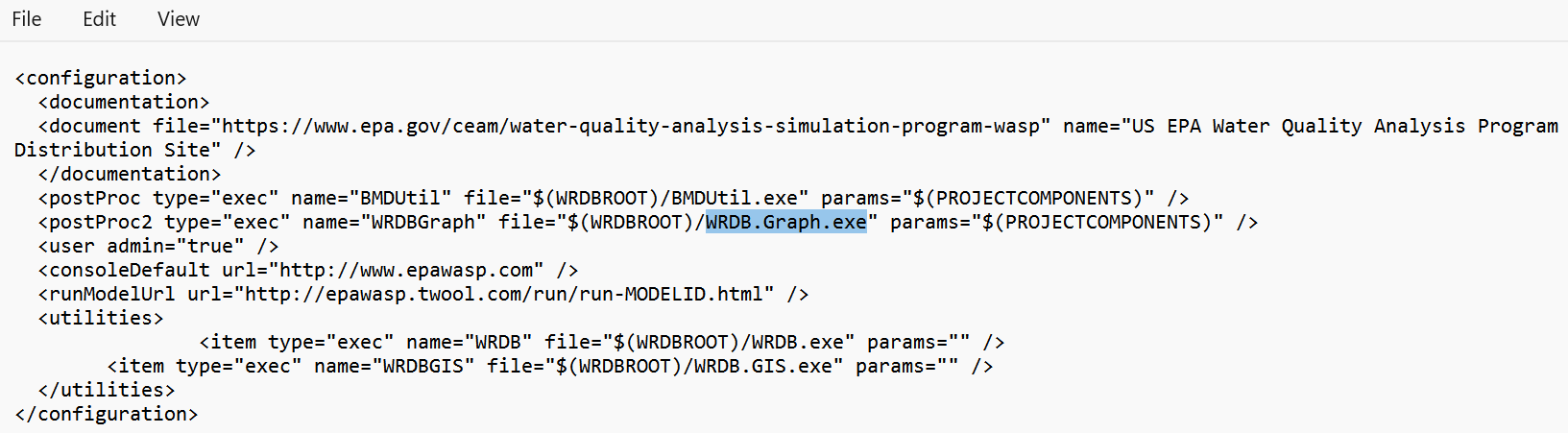
* From the “Environmental Variables” Screen (shown below), you’ll need to check that you have the Variable: **WRDBROOT**. And either add as “New” or “Edit” to match the location where WRDB was actually installed on your computer.



* Once set, **close & re-open the wasp.exe** program to check whether these icons have been activated.
* If activated, then proceed with Step 6,
* If the icons remain greyed out in WASP, then and alternate fix is to manually edit the configuration file.
  + Locate the file: \USEPA-WASP8\wasp\etc\configuration.xml
  + Open this file with a text editor such as Notepad
    - Find: **$(WRDBROOT)**
    - Replace: with your folder path – Noting that Forward Slashes (**/**) are used



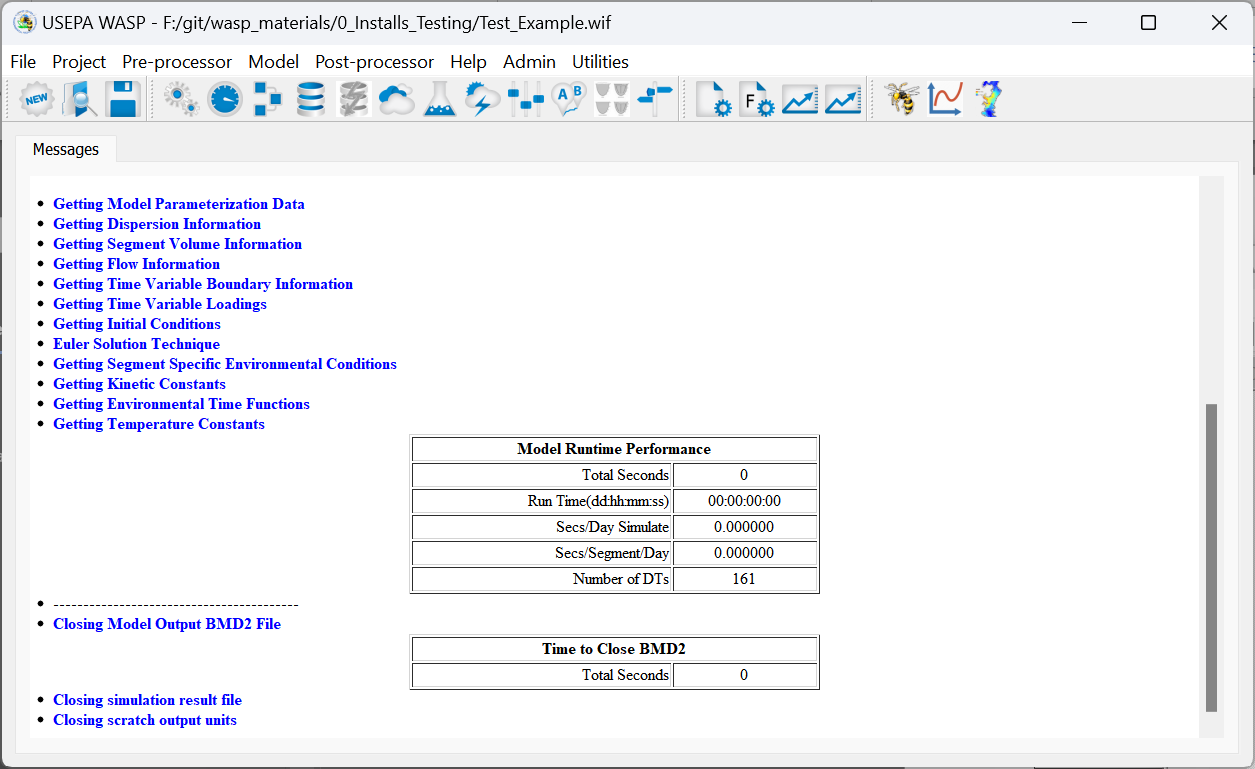
* + - Save as a .txt file
    - Within a Window Explorer Window, manually change the extension from .txt to .xml
    - Replace the updated .xml in the folder: \USEPA-WASP8\wasp\etc
  + Once updated, **close & re-open the wasp.exe** program to check whether these icons have been activated.
* If the icons remain greyed out in WASP, then check the version of WRDB that you are using. The most recent WRDB version 7.1 defines the Graph & GIS executables with a period between the words for example as “WRDB**.**Graph.exe” versus previous versions which do not include a period between WRDB and Graph “WRDBGraph.exe.” If you’re using an older version of WRDB, you’ll need to remove the period from the names of these executables and save the configuration file as described above.



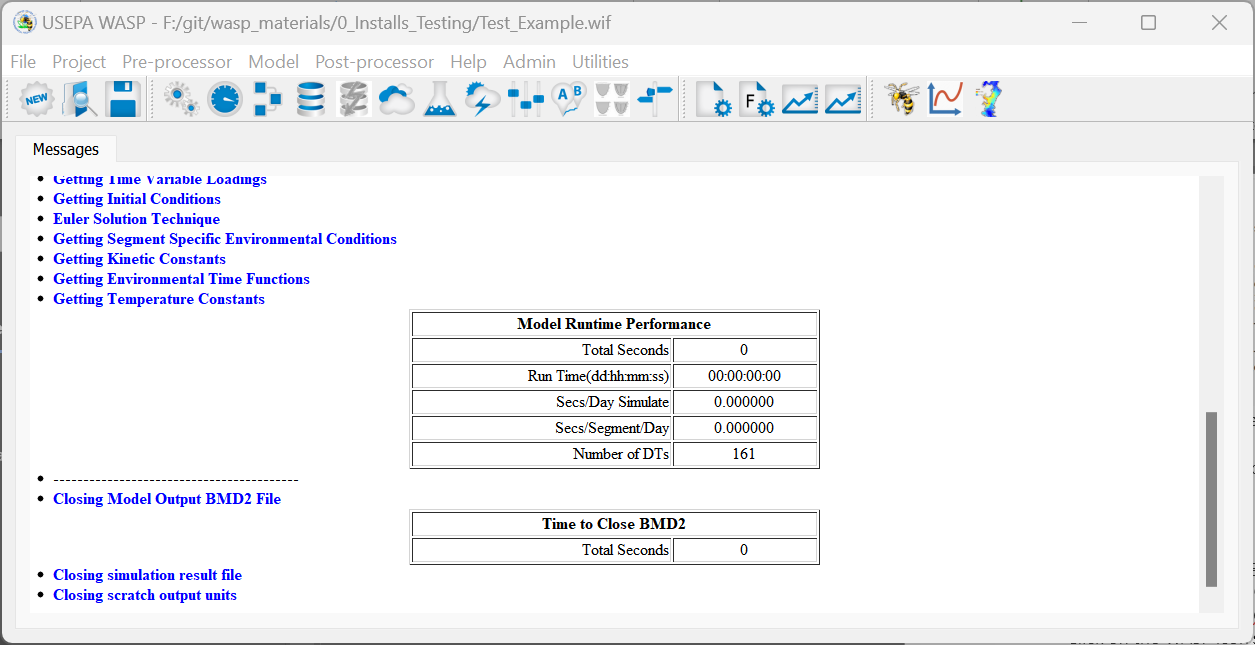
* + Once set, **close & re-open the wasp.exe** program to check whether these icons have been activated.
* If these steps do not successfully activate these icons, please email me ([york.catherine@epa.gov](mailto:york.catherine@epa.gov)) so I can help troubleshoot.

1. To test that you will be able to run WASP:

* Open the wasp.exe program from your Desktop Icon
* File, Open, & Navigate to your folder for: \WASP\_Course\_Atlanta\_2024\0\_Installs\_Testing\
* Open the “**Test\_Example.wif**”
* Click on the WASP icon shown below to run the model



* If the model successfully runs, then you’ll see a screen similar to the one below with the last line of text in the Messages window stating “Closing scratch output units”



* For additional confirmation, navigate to your folder for: \WASP\_Course\_Atlanta\_2024\0\_Installs\_Testing\
  + The model should have generated a Test\_Example.OUT file & a Test\_Example.BMD2 file
  + Open the .OUT file with a text editor such as Notepad, & scroll the bottom, the last few lines should read:
    - Closing BMD2 File
    - Closing BMD2 File
    - Closing scratch output units
    - Scratch output units closed
* If you were able to complete these steps then you should be able to run WASP at the Workshop. If you’re not able to run WASP, please email me (york.catherine@epa.gov) so I can help troubleshoot.