

1. Running EPA TANKS Program

Use the tanks program as per EPA guidelines keeping the following directions in mind:

- Under the IDENTIFICATION tab, enter into the “Identification No.” field, an AER Device ID (ES #) that is assigned to the tank.
- Use “Description” field to elaborate on the tank as well as its content.
- In description box, also add Facility Id Number and AER Year so that facility and staff can identify and connect this tank analysis correctly. This is because every year, there may be same identification number (e.g., ES4) file under the default directory “Tanks409d” with different year-specific information.

Vertical Fixed Roof Tank

Identification | **Physical Characteristics** | Site Selection | Tank Contents | Monthly Calculations

Identification No:

* Description:

* State:

* City:

* Company:

* Optional

- EPA TANKS program offers default speciation profiles for certain petroleum products. User can use this tool to build the specific toxic profile for the tank contents. In order to fully utilize toxic profiles in emission calculations, the stored materials must be identified as “Multi-Component Liquid” and be analyzed with “Partial Speciation” option.

Vertical Fixed Roof Tank

Identification | Physical Characteristics | Site Selection | Tank Contents | Monthly Calculations

Chemical Category of Liquid: Crude Oils

Single or Multi-Component Liquid: Multiple

Speciation Option: Partial Speciation

Mixture Name: Crude oil (RVP 5)

Average Liquid Surface Temperature	66.430259
Minimum Liquid Surface Temperature (F):	60.992995
Maximum Liquid Surface Temperature	71.867522
Bulk Liquid Temperature (F):	64.328333
Vapor Pressure (psia):	3.2601
Minimum Vapor Pressure (psia):	2.9344
Maximum Vapor Pressure (psia):	3.6143
Liquid Molecular Weight:	207
Vapor Molecular Weight:	50

Copy Speciation Profile | View/Add Components

Calculate Mixture Properties

Delete Mixture

Next Mixture >

< Previous Mixture

Add Mixture

Mixture 1 of 1

Copy | Run Report | Save | Close | Help

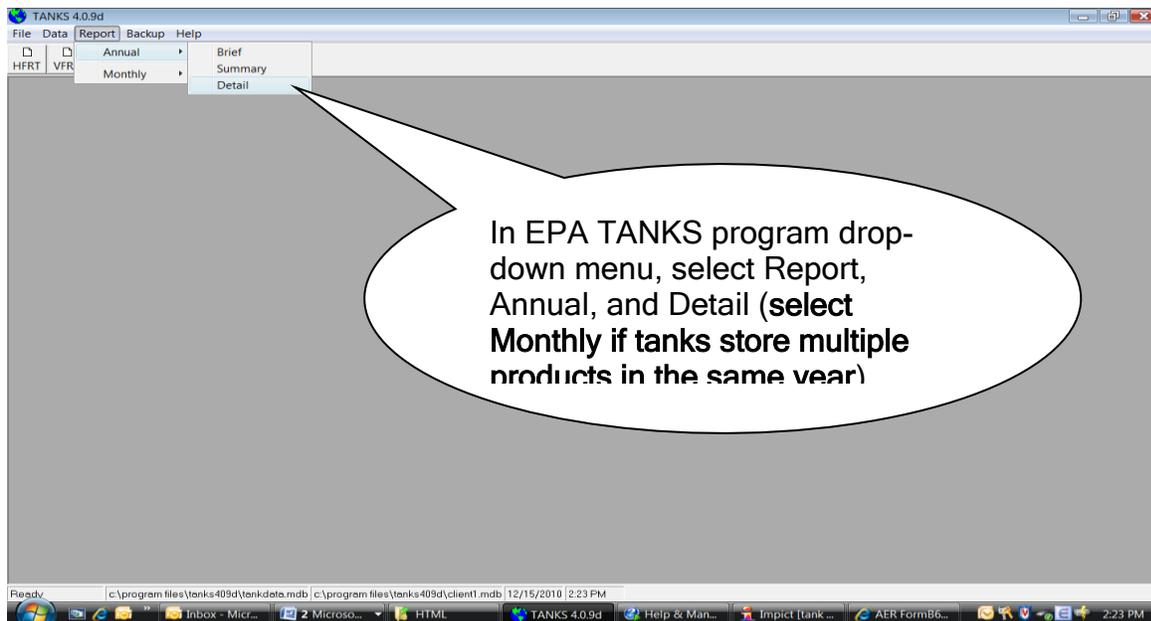
Use this to add/modify existing speciation profiles.

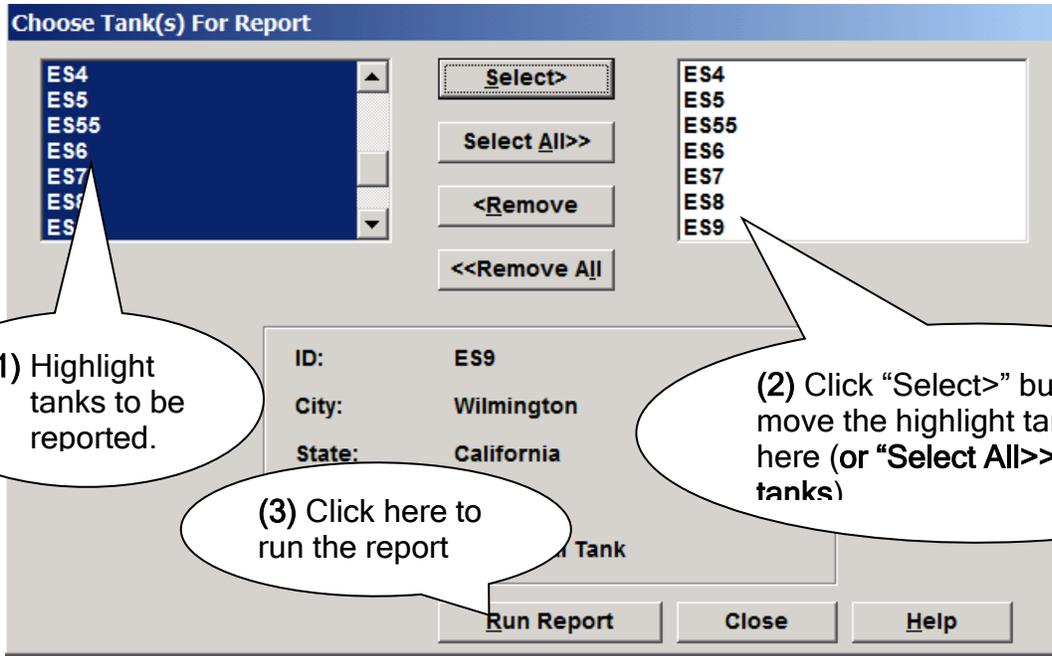
Use this to build and add a profile specific to stored material.

2. Creating EPA TANKS Data Output File

Emission data and results calculated by the EPA TANKS program can either be printed on paper or electronically exported in different format including “text file format”, which works best with the AER Reporting Tool. The program also offers user with choices of reporting one tank at a time, selected multiple tanks, or all tanks in one report.

The AER Reporting Tool is currently designed to accept output data file from the EPA TANKS program in text format only. The series of screenshots below illustrate the procedure to report all tanks in one output file:

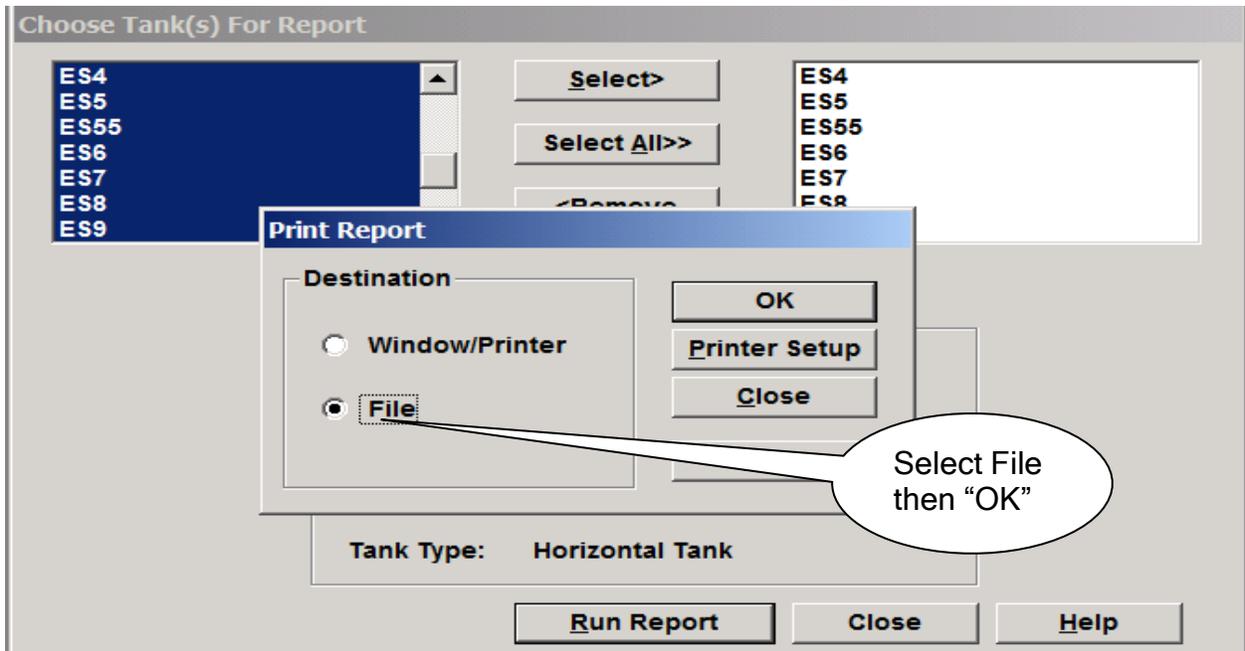




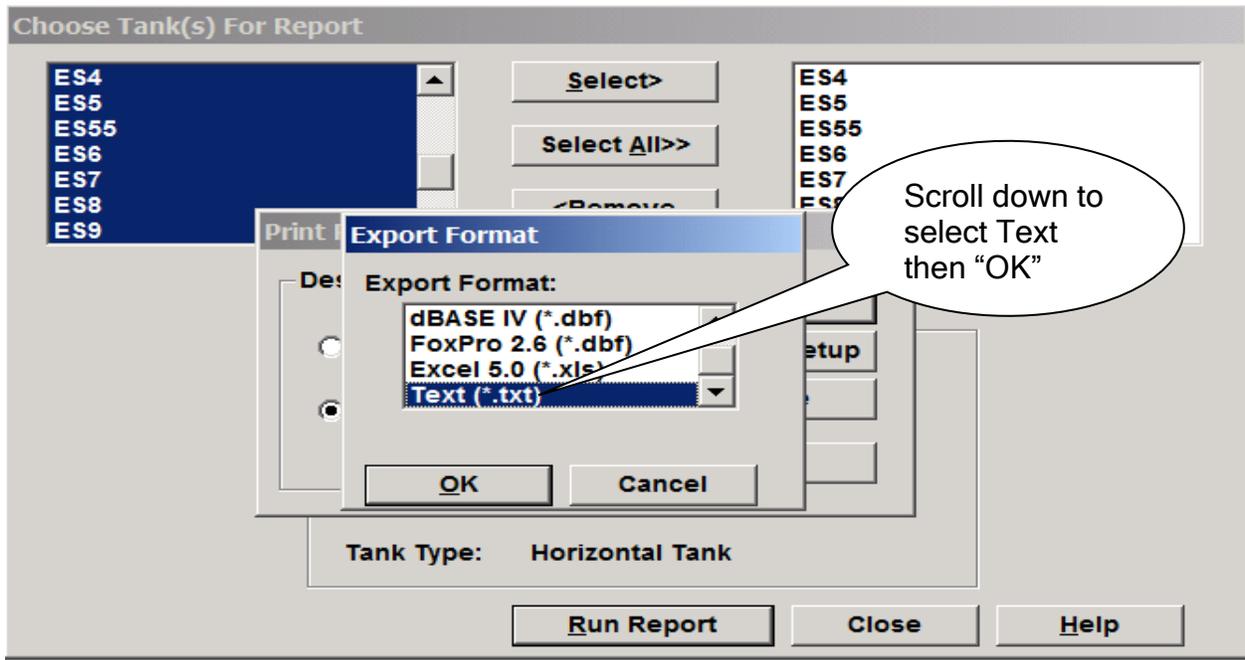
(1) Highlight tanks to be reported.

(2) Click "Select>" button to move the highlight tanks over here (or "Select All>>" for all tanks)

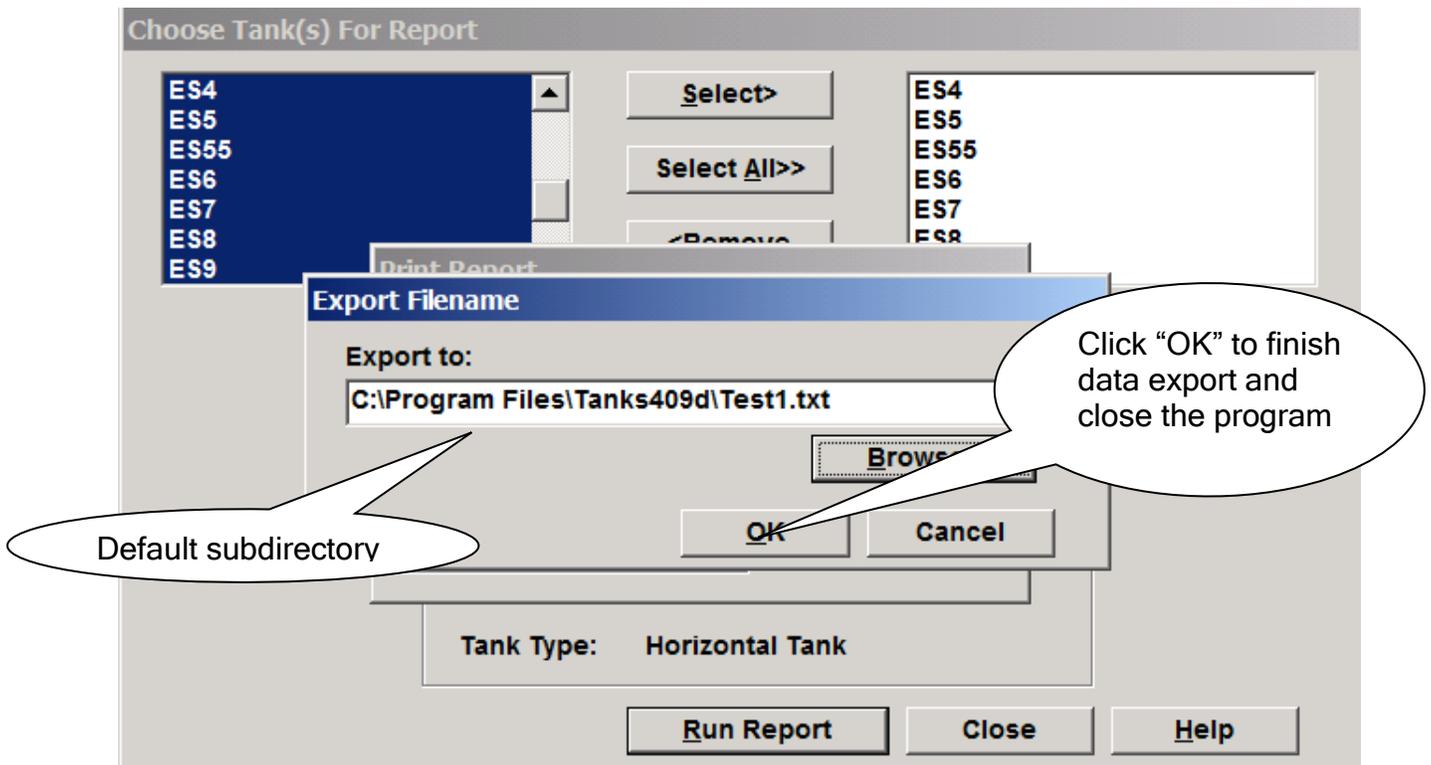
(3) Click here to run the report



Select File then "OK"



The tanks program, will ask to export the selected multiple tanks to a file. User can use the "Browse" button to specifically name the file and designate a storing location (In this example, the file name is "Test1.txt"). If the sub-directory (place to store the text file) is not specified, the program will store the text file in its default sub-directory under "Tanks409d" as shown in the next image.



3. Importing Tank Data into AER Reporting Tool

Under “Build Reporting Structure” in the AER Reporting Tool, “Click here” link presents brief instructions for working with EPA TANKS program and generating an output file. The output data text file can be attached and imported using the tool on the right side.

AER Home Access Facility Facility Home

Facility ID: 800051 · ARCO TERMINAL SERVICES CORPORATION · Reporting period: 2012

Facility ID: 800051

Build Reporting Structure

Emission Sources (ES) Classification

This section contains facility permit profile. Please make sure that every device has a specified Emission Source (ES). New emission sources can also be added.

EPA TANKS Software DATA IMPORT - [Click here](#) for more instructions.

Displaying 68 emission sources. You can use filter to narrow down selection.

A/N Permit NO

AER Device ID Permit Device ID

South Coast Air Quality Management District

Xuan VU Logout | Edit Profile

AER Home Browse Facilities Check work in progress Facility Home

Facility ID: 999121 - ABC Tracking Company - Reporting period: 2012

Build Reporting Structure

Emission Sources (ES) Classification

This section contains facility permit profile. Please make sure that every device has a specified Emission Source (ES). New emission sources can also be added.

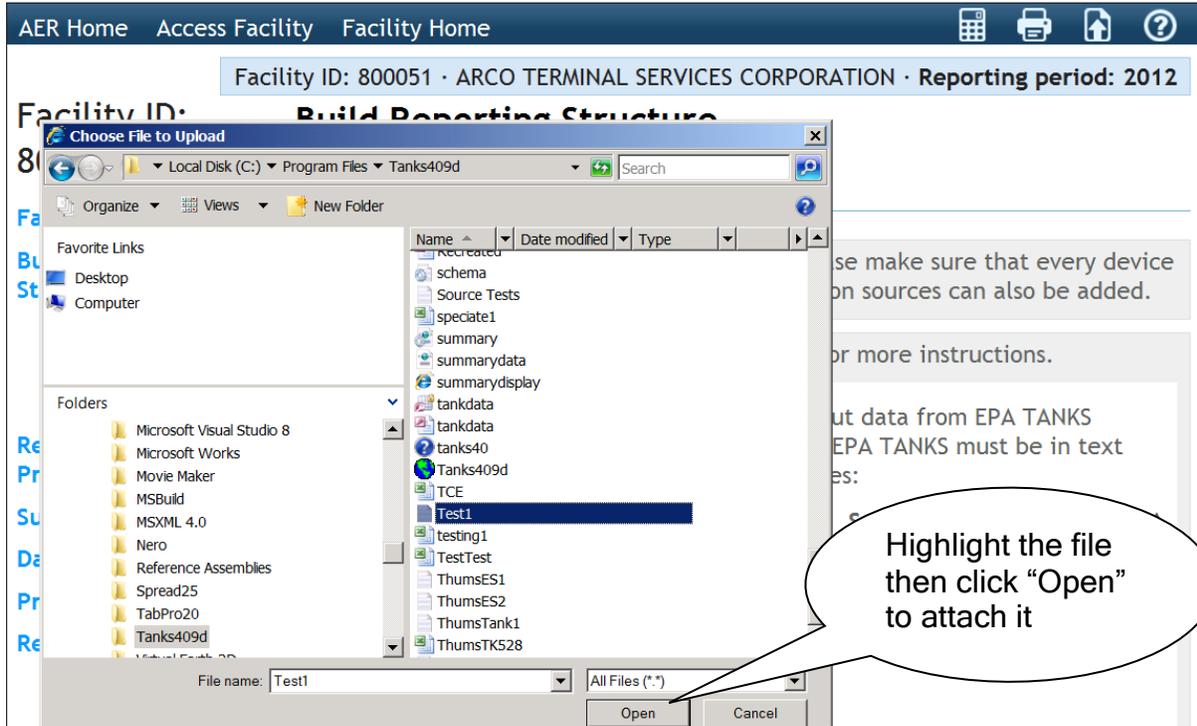
EPA TANKS Software DATA IMPORT - [Click here](#) for more instructions.

AER Reporting Tool supports importing the output data from EPA TANKS program, Version 4.0.9.d. The output file from EPA TANKS must be in text format generated using the following procedures:

1. Run EPA TANKS program. Click on CANCEL to close the dialog (do not create new tank or edit existing tank). From drop-down menu, select Report > Monthly > Detail.
2. Select ALL for whole year or selected months then Run Report.
3. Highlight and click Select> for the specific tanks or Select All>>. Click Run Report.
4. Select File and click OK to send output to a file.
5. In Export Format dialog, scroll down and highlight Text (*.txt) then click OK.
6. In Export Filename dialog and at Export to: enter name for the output file. Use the Browse button to determine the file destination (sub-directory), then click OK. If no destination is defined, the output file will be saved at the following default sub-directory: c:/Program files/Tank409d/.
7. In Browse dialog choose output file to be imported.

Select Output File from EPA TANKS

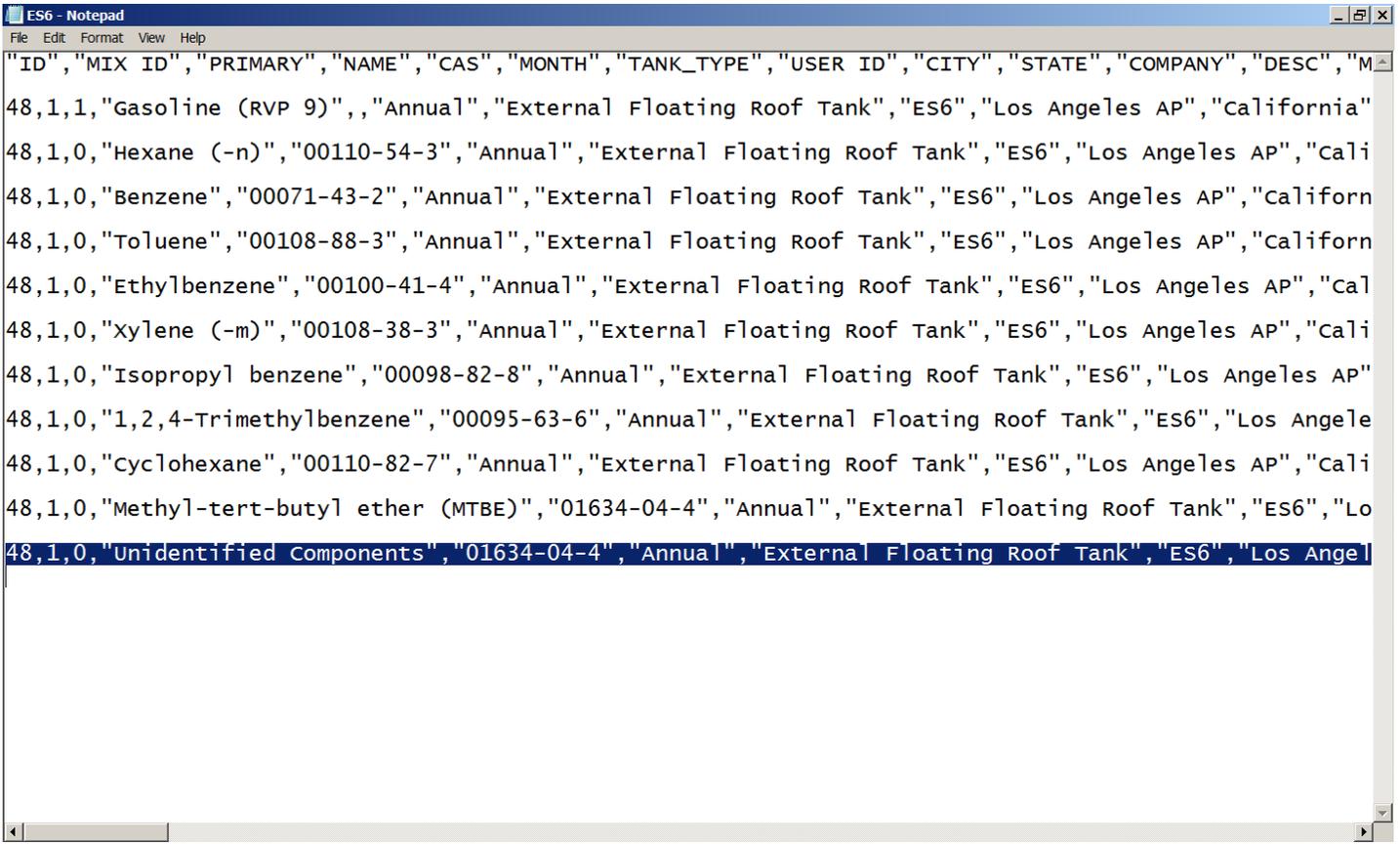
Use “Browse” button to locate the TANKS output file. Use “Open” button to attach it. Use “Import” button to finally import the tank data into the AER Reporting Tool.



4. Extra Correction for AB2588 Facilities

When creating an output text file, the EPA Tanks program assigned a CAS number to “Unidentified Components” which, in turn, is identified by the AER Reporting Tool as another toxic VOC material. In order to avoid importing a duplicate record, user must manually delete the text line associated with “Unidentified Components”, re-save, and import the new text file into the AER system.

The following image is a capture of the EPA TANKS output text file. It is best to use MS Windows Note Pad to open the text file. The text line is highlighted. Deleting this line will clear up any duplicate reporting of non toxic components as toxics.



The screenshot shows a Notepad window titled "ES6 - Notepad" with a menu bar (File, Edit, Format, View, Help). The text content is a list of chemical compounds and their associated data, including ID, MIX ID, PRIMARY, NAME, CAS, MONTH, TANK_TYPE, USER ID, CITY, STATE, COMPANY, and DESC. The list includes compounds like Gasoline (RVP 9), Hexane (-n), Benzene, Toluene, Ethylbenzene, Xylene (-m), Isopropyl benzene, 1,2,4-Trimethylbenzene, Cyclohexane, Methyl-tert-butyl ether (MTBE), and Unidentified Components. The last line is highlighted in blue.

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"ID","MIX ID","PRIMARY","NAME","CAS","MONTH","TANK_TYPE","USER ID","CITY","STATE","COMPANY","DESC","M
48,1,1,"Gasoline (RVP 9)",,"Annual","External Floating Roof Tank","ES6","Los Angeles AP","California"
48,1,0,"Hexane (-n)","00110-54-3","Annual","External Floating Roof Tank","ES6","Los Angeles AP","Cali
48,1,0,"Benzene","00071-43-2","Annual","External Floating Roof Tank","ES6","Los Angeles AP","Californ
48,1,0,"Toluene","00108-88-3","Annual","External Floating Roof Tank","ES6","Los Angeles AP","Californ
48,1,0,"Ethylbenzene","00100-41-4","Annual","External Floating Roof Tank","ES6","Los Angeles AP","Cal
48,1,0,"Xylene (-m)","00108-38-3","Annual","External Floating Roof Tank","ES6","Los Angeles AP","Cali
48,1,0,"Isopropyl benzene","00098-82-8","Annual","External Floating Roof Tank","ES6","Los Angeles AP"
48,1,0,"1,2,4-Trimethylbenzene","00095-63-6","Annual","External Floating Roof Tank","ES6","Los Angele
48,1,0,"Cyclohexane","00110-82-7","Annual","External Floating Roof Tank","ES6","Los Angeles AP","Cali
48,1,0,"Methyl-tert-butyl ether (MTBE)","01634-04-4","Annual","External Floating Roof Tank","ES6","Lo
48,1,0,"Unidentified Components","01634-04-4","Annual","External Floating Roof Tank","ES6","Los Ange
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5. Restrictions

- In AER Reporting Tool, the emission source (ES or Device/Equipment) must be pre-defined as "Storage Tank" associated with EPA TANKS program for the import function to work correctly.