



Helpful Hints for Working in ERIC

1. **Upload and download the spreadsheet daily if that is your data entry method.** We make updates to ERIC and the spreadsheet frequently and the best way to avoid upload and validation errors is to have the current version of the spreadsheet.
2. Check the ERIC home page frequently for updated information, manuals, etc.
3. For assistance with using ERIC, call or send an email to the staff person that is designated for the parish where your facility is located. A list of parishes and assigned staff is listed on the left sidebar on the ERIC homepage.
 - a. If emailing the staff about an error, always send a screen shot of the error you are seeing, along with the AI #, in the email.
4. When emailing or calling with a question or if you need help, always have the AI # available.
5. If the problem or question is with the uploading of a spreadsheet, copy/paste the error(s) into an email, along with the AI #, and attach the spreadsheet and send it to the appropriate staff person.
6. If your AI # is not available in ERIC, send us an email with the AI #, Permit #, owner company, and ask that an ERIC account be created for the AI #.
7. The data being submitted in ERIC will need to be certified. Therefore, ERIC will generate a certification statement for you (do not use an older version of the certification statement). This certification statement needs to be printed and signed by the Responsible Official and postmarked by the reporting deadline.
 - a. The certification statement will be available for downloading on the Summary page of an inventory submitted in ERIC.
 - b. If any information is incorrect on the certification statement, you must revise the inventory in ERIC and correct the information. Do not mark up the certification statement with the correct information before sending to LDEQ.
8. Sources, release points, processes, control systems, etc. can be removed from the inventory if they have been removed from service, permanently shutdown, dismantled, no longer used, obsolete, etc. and chances are that they will never operate again. If you have a source that is just idle and chances are it will operate again in the future, it may be helpful to keep it in the inventory and set the source status as idle. To

permanently remove a source from your inventory and to prevent it from showing up in future inventories the source status must be set to one of these statuses:

- i. Duplicate
 - ii. Not required to report
 - iii. Permanently shutdown
 - iv. Permitted and never to be built
 - v. Reported under another source
9. Provide informative descriptions in any of the description fields. Sometimes the descriptions created from the migration of the 2005 data are not descriptive and not useful.
- a. Change any description that says "NEDS point ##" or "TEDI Emissions for SIC ####" as these are not very helpful.
10. When building your inventory in ERIC, it is not necessary to represent information contained in your permit exactly how it is in the permit because the inventory is separate from the permit. Where we can crosswalk the ERIC information to the permit, we have provided fields. It is not necessary to "duplicate" the permit in the inventory.
- 11. CAPs are a function of permits and should not be represented in the inventory as a CAP. All the equipment in the CAP should be reported individually as sources, processes, release points, and/or control systems. Do not represent CAPs as area sources or release points.**
12. If the facility reports toxic air pollutant emissions and has reported to TEDI in the past and you have brought forward from your migrated 2005 inventory, you will see duplicate processes on the process tab for each source. One will be from the criteria pollutant inventory and one will be from the TEDI. You can delete either one. The one that says "TEDI Emissions for SIC ####" will have the least amount of information since it came from the TEDI.
13. On occasion during upload of a spreadsheet, the system may crash without giving any warnings or errors. When this happens, it is possible that a revision to your inventory may have been created. If you find that this has occurred, delete all of the extra revisions. Keep the one version that you were trying to upload to and try to upload the file again. For example, if you were trying to upload to Revision 0 and the system crashes and you now see Revision 0 and Revision 1, then delete Revision 1 and try to upload to Revision 0 again. If you still have problems uploading, let us know.
14. The fields in yellow on the ERIC web application are the required data elements. These may change in future reporting years, but we will not know about the specific changes until we get closer to that reporting period.

15. Removed – No longer applicable.
16. If your facility is permitted but not built, the only information required is the Facility and Contact tabs. Be sure to set the facility status as "Permitted but not built."
17. Emission Factors are only required when selecting the following Estimation Methods on the Emissions tab.
 - a. EPA emission factors (e.g., AP-42)
 - b. Facility Specific Emission Factor
 - c. Manufacturer Emission Factor
 - d. Trade Group Emission Factor
 - e. Vendor Emission Factor
18. Fugitive Emissions, GC XVII Emissions, and Insignificant Activities sources types:
 - a. These source types do not require a process record.
 - b. Report fugitive, GC XVII, and insignificant activity emissions by permit. If your entire facility is covered under one permit, then you should have one fugitive source, one GC XVII source, and/or one insignificant activity source. If your facility is covered under many permits, then each permit will have its own fugitive source, GC XVII source, and/or insignificant activity source.
 - c. The release point type for Fugitive Emissions source type is "Fugitive".
 - d. The release point type for GC XVII Emissions and Insignificant Activities source types is "Area".
 - e. The release point coordinates for a "Fugitive" and "Area" release point types should be the coordinates of the southwest corner.
 - f. Please see Release Point Orientation Guidance document on ERIC's website for guidance on determining the Release Point Orientation for area and fugitive release point types.
 - g. Width and Length are required for "Fugitive" and "Area" release point types.
19. If a value is missing from a dropdown list or a reference sheet, please email us and request that it be added. Until it is added, you can select "Other", "Not Applicable", "Unknown", if available, or the next best option.
20. If the NEDS ID does not exist, you do not need to assign a new one. The NEDS ID will be for reference purposes only and will not be used in the future.
21. The tab labeled Portable Locations is intended for portable facilities, not sources or pieces of equipment that are portable within a stationary facility. Typically, portable facilities have permit numbers that begin with 7777.
22. Do not create revisions to your inventory unless it has been submitted or certified.
23. Only report the pollutants on the pollutant list. If it is not on the list, it does not need to be reported.

24. Tanks should have two processes associated with them. One for working losses and one for breathing or standing losses. All of the throughput should go on the process for the working losses and the throughput data should be zero for the breathing/standing process. The emissions should be calculated for both working and breathing/standing and broken out by these processes on the emissions tab. **Keep in mind that emissions should be reported as they are calculated. If working losses are calculated separately from breathing or standing losses, then they should be reported separately.**
25. The material name in the process record should match the material or activity on the emission factor record. The material/activity is typically what you used to calculate your emissions. This means that if you used an emission factor that calculated the kilograms of particulate emitted per megagram of coal burned, then the material or activity would be the amount of coal burned. Another example of the material/activity is the amount of fuel input when using lb/MMBtu to calculate emissions for a stationary internal combustion source.
26. Removed – No longer applicable.
27. Most facility information is no longer entered or edited directly through ERIC. You can enter/edit the Description, Status, and Comments data. The information displayed is the current information in the DEQ TEMPO system. If the information displayed is not correct, please send a request with the updated information to facupdate@la.gov.
 - a. While an inventory is in “Editing” status, the information on the Facility and Contact tabs is displayed dynamically from TEMPO and in real time, i.e. when the facility address is changed in TEMPO, the change will show up in ERIC right away.
 - b. Once the inventory has been submitted and is in “Submitted”, “Revised”, or “Certified” status, the information on the Facility and Contact tabs is made static at the time the inventory was submitted. The information is then no longer displayed dynamically from TEMPO. These inventories will not show any updates or modifications to information in TEMPO.
 - c. In order to see the updated or modified information, users can start a new inventory or revise a previously submitted inventory.
28. Ammonia emissions are collected using the only ammonia on the pollutant list, which is the TAP ammonia. If you need to report ammonia for criteria purposes, then select the only ammonia on the pollutant list and report the emissions in pounds, **EVEN IF YOU DO NOT REPORT TOXIC AIR POLLUTANTS, PER LAC 33:III.5107**. If you need to report ammonia for both criteria and toxic emissions, then select the only

ammonia on the pollutant list and report the emissions in pounds. It will count towards both **toxic emissions and criteria emissions**.

29. Removed – No longer applicable.
30. Inventories can not be submitted if there is a previous revision in editing status for any account.
31. Inventory can not be deleted when another inventory exists with a higher revision number for any account.
32. Sources with any of the following statuses in TEMPO will be ignored and not brought forward when starting a new inventory.
 - a. Duplicate
 - b. Not required to report
 - c. Permanently shutdown
 - d. Permitted and never to be built
 - e. Reported under another source
33. Sources without a status or one of the following statuses in TEMPO will be brought forward into the new inventory.
 - a. Active
 - b. Idle
 - c. Permitted but not built
34. Sources with the following statuses in TEMPO will be brought forward into the new inventory but the status must be changed to a valid status in ERIC before passing validation and being able to submit.
 - a. Exempt
 - b. Inactive
35. When submitting an inventory, there will be a verification screen with the Owner and EI Billing Party information and a request for verification. If Yes is selected, then the inventory will be submitted. If No is selected, then the inventory will not be allowed to be submitted and the user must fix the owner and EI billing party before being able to submit.
36. The start/end dates of an inventory should correspond to the start/end dates of ownership in TEMPO, particularly for partial year reports. If not, the inventory can not be submitted until the dates are corrected in TEMPO either through the name/ownership change process or contacting facupdate@la.gov to correct the dates according to the approved name/ownership change paperwork in EDMS.
37. The start/end dates in TEMPO for contact types *Emission Inventory Billing Party* and *Emission Inventory Contact* should correspond to the start/end dates of the inventory in ERIC, particularly for partial year reports. If

not, the inventory cannot be submitted until the dates are corrected in TEMPO by contacting facupdate@la.gov.

38. It is preferred that facilities determine and report the horizontal accuracy measure when possible, however, if it is not possible, an estimate is acceptable or they can report 1 for the horizontal accuracy measure. **A value range has been added to horizontal accuracy measure that only allows 1-2000 meters.**
39. Our understanding is that in general, there are only two reasons for emissions from a cooling tower. Those are emissions of PM from the water vapor and emissions from leaks within the cooling tower. For both of these cases, the source and release point should both be the cooling tower. The release point type should be Area, not stack, vent, or fugitive.
40. When submitting and certifying data in ERIC, you are not certifying TEMPO or the data in TEMPO. The certification statement only applies to the data within the inventory in ERIC. Some of the data populated in your inventory when you “start new inventory” comes from TEMPO, but you are expected to revise it or modify it in order to get the inventory into a state that you are willing to certify, but the certification does not certify what is in TEMPO.
 - a. If you are dissatisfied with what you see in your new inventory after starting it, an option to clean it up will be to download the prior year inventory and upload it to the current year’s inventory.
 - b. You may encounter errors during validation doing this; however, it is an option for quickly updating your inventory with last year’s certified data.
41. Sources with the following statuses will not be subject to most validations. However, these sources will be checked for processes and emissions. If processes or emissions exist for a source with one of these statuses, users will receive an error.
 - a. Duplicate
 - b. Not required to report
 - c. Permanently shutdown
 - d. Permitted and never to be built
 - e. Reported under another source
42. Account AI Name will be pulled dynamically from TEMPO and in real time. When a change is made to TEMPO, the account name will immediately reflect that change.
43. Subject Item IDs beginning with AI, CRG, GRP, PCS, SCN, or UNF are not allowed in ERIC. These are subject items created in TEMPO for use in other programs and are not useful to Emission Inventory. If

these have been used in the past, users will be prompted to use another valid Subject Item ID or to enter “Not Listed”.

44. When a previously used selection from a drop down menu is in red, this means the choice is no longer valid and a new selection must be made.
45. The spreadsheet is formatted for percentages, so they are entered as a fraction (i.e., 20% is entered as .20). This is different than when entered on the screen in the web application. Using the spreadsheet, Excel interprets the value what is typed in and formats it as a percent. Typing .01 in the spreadsheet cell will result in a value of 1%, being displayed; however, if you start with a leading zero, 0.01 will display a value of 0.01%.
 - a. If the fuel doesn't have any ash or sulfur content, leave those fields blank. Do not enter 0.01% as a replacement for 0%.
46. Control systems, processes, and release points have a status and permanent shutdown date. These fields are optional; however, if the status is “Permanently Shutdown,” then the permanent shutdown date is required. Items with a status of “Permanently Shutdown” will not show up in future inventories.
47. Control systems, processes, and release points with a status of “Idle” or “Permanently Shutdown” will not be subject to most validations.
48. Emission type “Routine & Startup/Shutdown” is no longer available. If you have previously reported emissions using this emission type, you must separate the routine emissions from the startup/shutdown emissions and report them as separate emissions paths.
49. LDEQ has implemented many new validations in ERIC and the data it captures. A separate document titled “RY2010 New ERIC Validations” will list many new validations for RY2010. Some of note will be discussed here. All are important, however, some need more attention than others and they are in RED.
 - a. Many fields now have value ranges defined (as discussed in the document titled “RY2010 New ERIC Validations”) that do not allow 0.
 - i. If reporting 0 was the method of showing this item is no longer operating, either temporary or permanently, you will now be required to either remove the item all together or change the status to “Idle” or “Permanently Shutdown.”
 - ii. If reporting 0 was the method of showing that there isn't data for this field, then leave the field blank.
 - b. If PM2.5 is present in the inventory on an emissions path on the emissions tab, then PM10 must also be present for the same path. Keep in mind that PM2.5 is required to be reported when

emitted, so please do not remove PM2.5 emissions in order to pass validation. Instead, please include PM10 emissions.

- c. If PM2.5 is present on the control efficiencies tab for a control system, then PM10 must also be present for the same control system.
- d. When both primary and secondary efficiencies are reported, the total efficiency reported will be compared to the calculated total efficiency and when not equal, users will get a warning. The formula used to calculate Total Efficiency is:
 - i. $TE = [100 - ((100 - PE)(100 - SE)) / 100]$, where TE = Total Efficiency, PE = Primary Efficiency, & SE = Secondary Efficiency
- e. The sum of VOC TAPs must be \leq the sum of all Total VOC emissions. VOC TAPs should also be included in the Total VOC. We do not sum reported VOC emissions with VOC TAPs to determine Total VOC. Users should report Total VOC emissions, including VOC TAPs.
- f. In addition, individual VOC TAPs should be \leq Total VOC on the emissions path.
- g. If the Total VOC is less than 0.005 tons and is not being reported per the guidance, and you receive this error, you will need to report the Total VOC emissions. In order for the invoicing to be accurate, the VOC TAPs can not be greater than the Total VOCs.
- h. If flow rate, velocity, & diameter are reported, ERIC will calculate the flow rate measure using the formula below.
 - i. If the calculated value and the reported value differ by more than 5%, then flow rate is invalid and where the release point type is a stack or vent, users will receive an ERROR.
 - ii. If the release point type is an area or fugitive, users will receive a WARNING.
 - iii. When receiving this error, the velocity and flow rate should be accurate. Users should concentrate on getting all values accurate, but when velocity and flow rate are accurate, then adjust diameter.
 - iv. If the release point is not circular, then back calculate the diameter as if circular and report that value.
 - v. $Flow\ Rate = \{Pi\} * ((Diameter/2)^2) * Velocity$
- i. Release point coordinates are checked to verify they are within 8000 meters (approximately 5 miles) of the coordinates reported on the Facility Information tab.
 - i. If they are outside 8000 meters, users will get an ERROR.

Updated 02/17/2011

Items in **Blue** represent changes from previous revision

- ii. If they are legitimately outside 8000 meters, users must provide verification of such and request that the limit be increased. Once the request is received and the distance is verified, LDEQ will adjust the limit for that facility.

Guidance for Annual Average Throughput and Annual Average Heat Content

1. Removed – No longer applicable.
2. **Annual Average Throughput** is a measurable factor or parameter that relates directly or indirectly to the emissions of an air pollution source during the period for which emissions are reported.
 - a. Depending on the SCC, the throughput may refer to the amount of fuel combusted, raw material processed, product manufactured, or material handled or processed over a specific period of time.
 - b. Throughput is typically the value that is multiplied against an emission factor to generate an emissions estimate.
 - c. Common units include lb/hr, tons/day, MMscf/yr, etc.
 - d. However, we prefer that you report the calculation parameter. For example, if the calculations require the MMBtu/year to get emissions, then we want you to report the MMBtu/year in the throughput. If the calculations require MMscf/year, then we want to see MMscf/year as the throughput.
 - e. For combustion processes, throughput is a measure of heat content over time.
 - f. If using an emission factor for calculating emissions, the reported throughput should coincide with the emission factor and the activity used in the emission factor calculation.
3. **Annual Average Heat Content** is the amount of thermal heat energy in a solid, liquid, or gaseous fuel. It is required for SCCs on a combustion device.
 - a. For Emission Inventory purposes, the annual average heat content is the heat content for a standard unit of the fuel used by the source, for example 1040 MMBtu/scf of gas.
 - b. Removed – no longer applicable.
 - c. Btu/hr is a unit of power. It is the measure of energy over a specific time period. It is not the heat content.
 - d. For combustion processes, do not report MMBtu/year or MMBtu/hr. The heat content is expressed as BTU/gal, BTU/scf, or BTU/ton.
 - e. Removed – no longer applicable.
 - f. Heat content is not a measure of time. It is a measure of the concentration of heat energy per physical unit of fuel.