









2013 Emission Statements Reporting Season Kickoff

1/9/2014
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SIPRAC / DEEP HQ



2013 Emission Statement Reporting

- Emission Statements are Due on Friday March 1, 2014.
- Stack Data Completeness DEEP has a list of missing data for each stack
- EMIT User Cleanup DEEP is weeding out expired accounts and confirming e-mail contacts for system users.
- Link to: electronic signature authorization forms



Items to Remember

- 1. Fix stacks that have missing data
- 2. Report the Stack Test Date when emission factors are based upon a stack test
- 3. Identify control devices and efficiencies even if not used to estimate emissions
- 4. PM10 >= PM2.5 Report PM2.5 primary emissions when PM10 primary emissions are greater than zero.
- 5. Account for Controls when estimating HAP emissions
- 6. Ensure that summer day activity is correct (i.e. it should not be greater than annual activity).



Help Desk

- General help requests or bug reports
 - DEEP eGov helpdesk (860) 424-3882
- As in the past, you can always make direct calls to Technical Services staff
- TS email deep.bam.ts@ct.gov
- Still no way for users to reset/maintain their own passwords. DEEP prioritizes these requests to minimize downtime for the user



User Accounts – Typical Questions

- Taken from a real EMIT User
 - Is there a form to be submitted to remove the previous submitter along with the new "e-signature & subscriber agreement form - submitter Certification" or does the new one just automatically remove the previous submitter?
 - For existing editors Does a new editor agreement need to be submitted on behalf of the new submitter or do existing ones remain effective?
 - If a previous editor is no longer employed or contracted by us, how do we remove them from the system?
 - If a previous editor only had the "Emission Statement" box checked but will now also be performing Title V Reporting, does a new editor certification need to be submitted?



User Accounts – Typical Answers

- Taken from a real EMIT User
 - All user maintenance is performed by DEEP Air Bureau staff. Emit users can manage contact information, but not logins and user accounts
 - Subscriber/eSignature agreements remain in force and do not need to be resubmitted each year
 - DEEP can remove/deactivate a user account for you.
 Send a request by email, or call us.
 - User Rights are easy to update and do not require any additional paperwork. User Types/Roles (Editor, Submitter) do require a new form. Remember that Submitter also have all Editor rights, so you do not need two accounts if you are performing both roles.



GPLPE Jets/Peakers

- Jet/Peaking Units operating under GPLPE
 - Required to report unit level emissions for 2012
 - Will be required to update that data for 2013
 - No expansion of this program at this time
 - Allows for better statewide generation analyses
 - Allows for comparison of peaking-unit emissions to the premises total

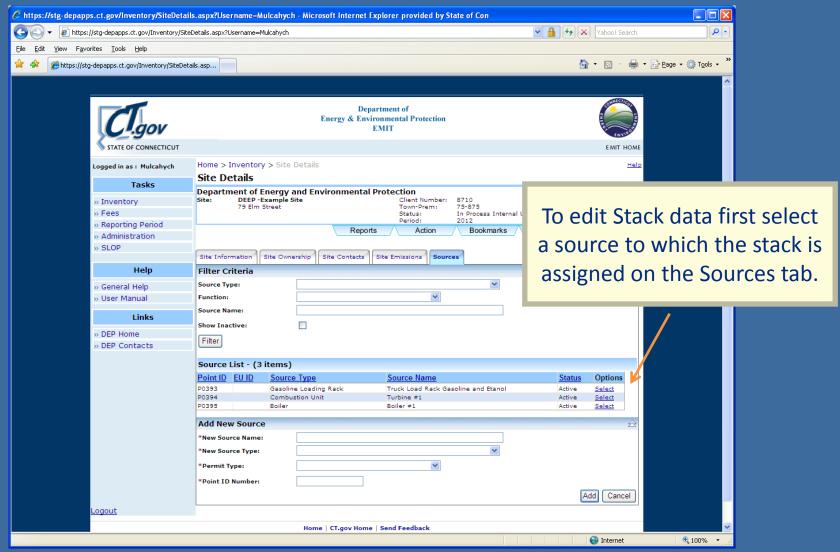


Stack Data Fixes

- Continuation of 2012 Stack Data Fix process
- DEEP has cataloged the missing data and will be sending a summary to each permittee
- Completeness allows EMIT to better mirror the permit conditions
- Some EPA data requests include stack and control equipment data

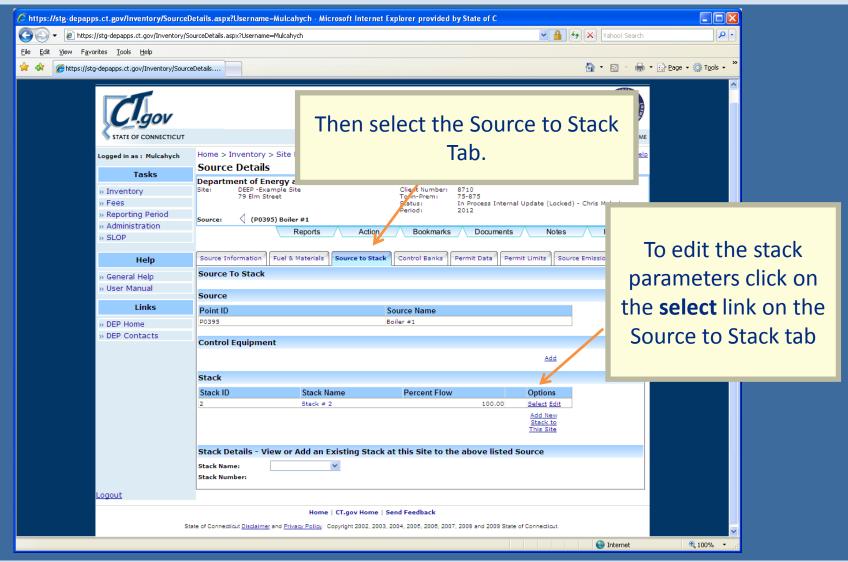


Fixing Stacks That Have Missing Data



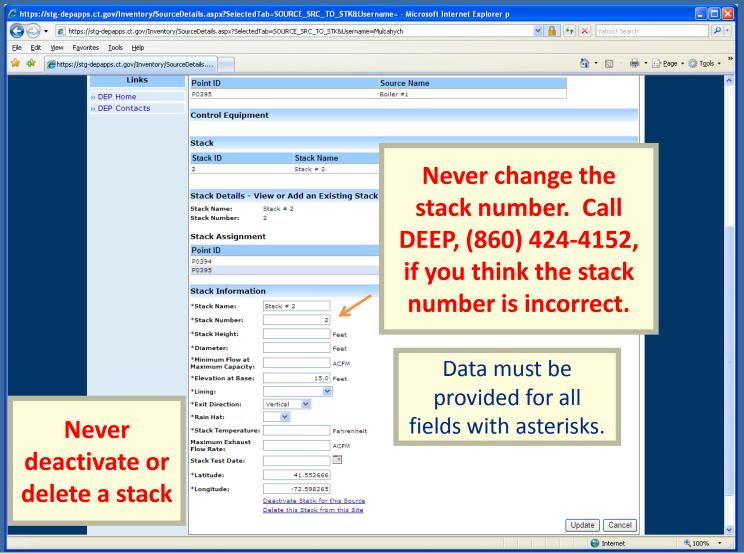


Fixing Stacks With Missing Data



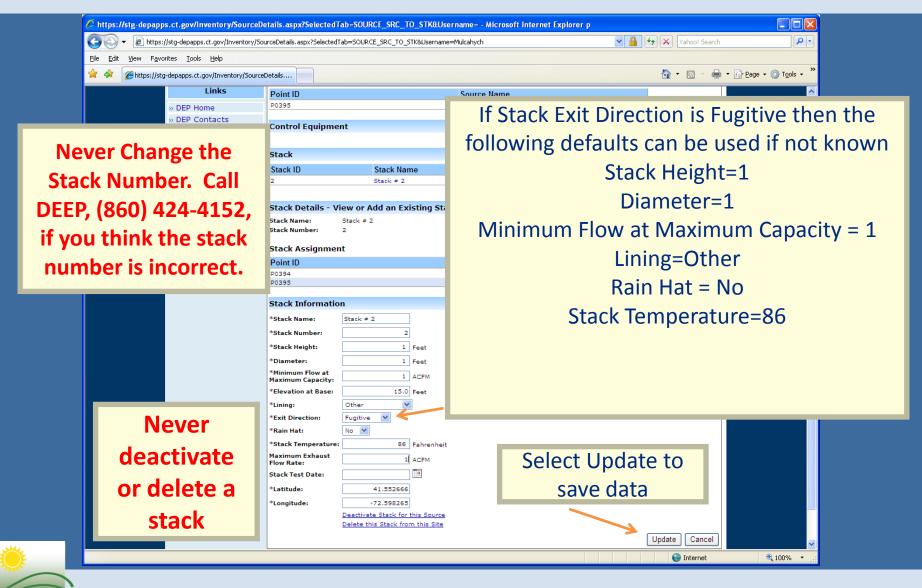


Fixing Stacks With Missing Data





Fixing Stacks With Missing Data

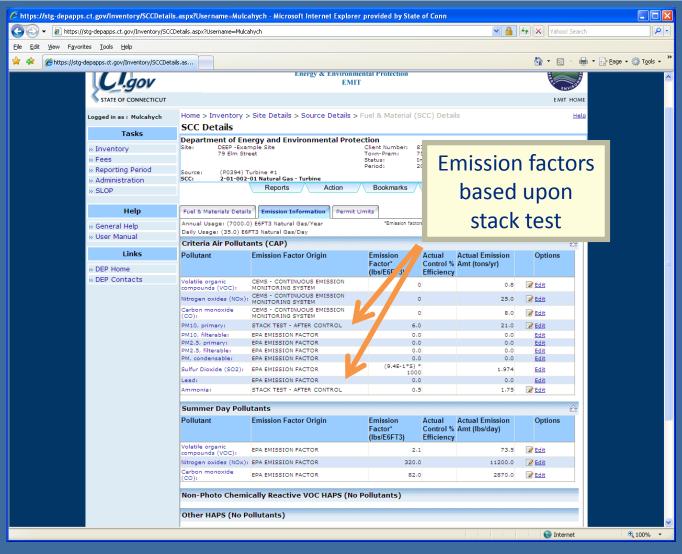


Stack Test Date

- If you reported emission factors based upon a stack test then please remember to fill in the stack test date on the Stack Information panel located on the Source to Stack tab.
- Do not assign emission factor origins "Stack Test –After Control" and "Stack Test –Prior Control" when emission factors are based upon stack tests that have **not** been approved by the DEEP. Instead use "Engineering Judgment" and provide supporting documentation (i.e. stack test results).

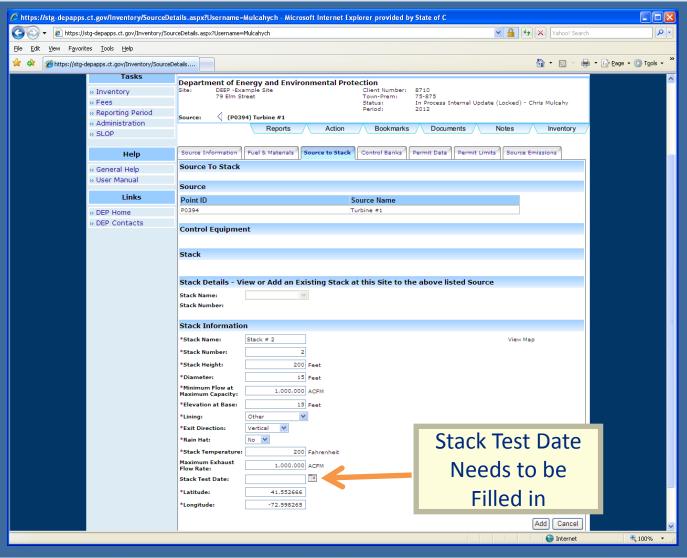


Stack Test Date



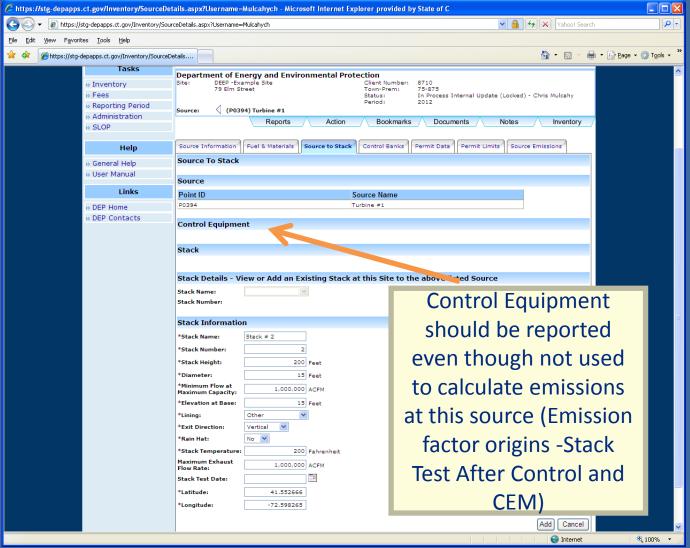


Stack Test Date



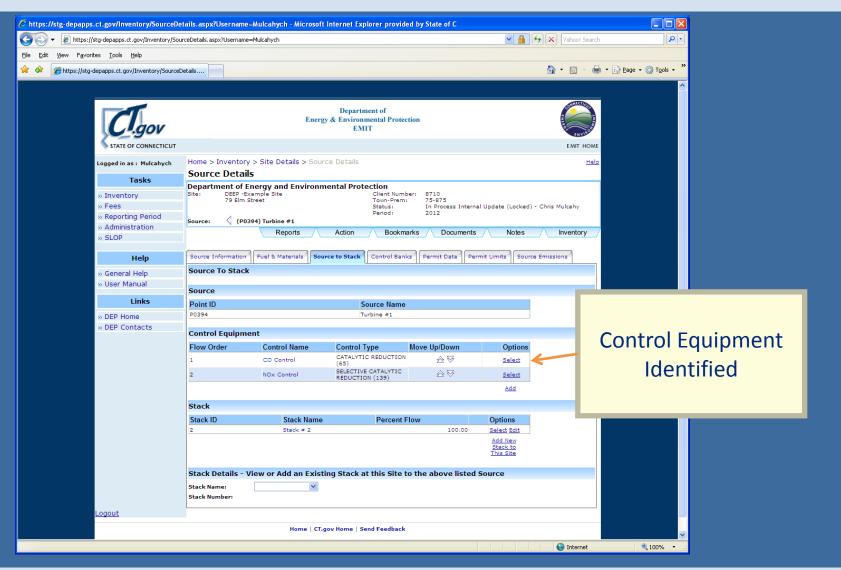


Identifying Control Devices



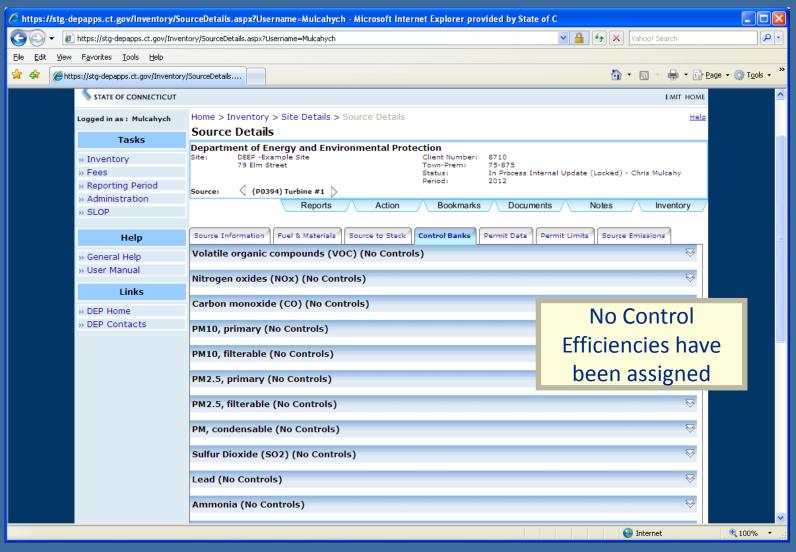


Control Devices Identified



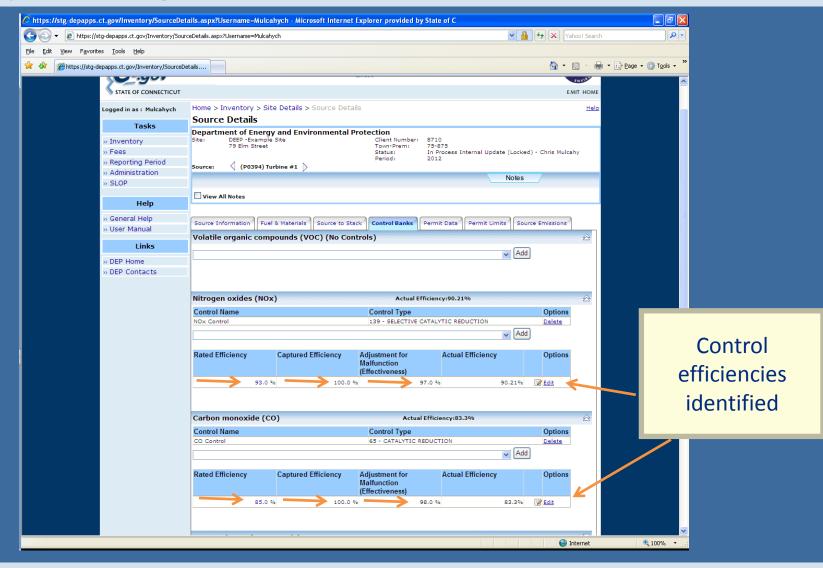


Reporting Control Efficiencies





Reporting Control Efficiencies





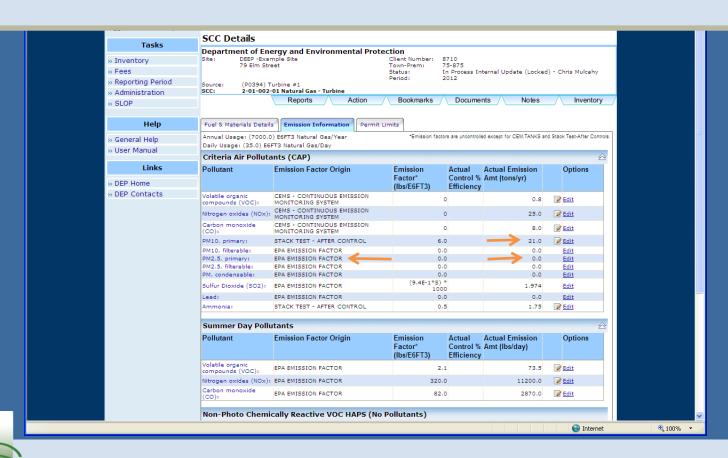
Reporting PM2.5 primary emissions

 If the emission factor origin for PM2.5, primary is "EPA Emission Factor" and the PM2.5 primary emission factor is zero and you are reporting PM10 primary emissions greater than zero then you must change the PM2.5 primary's emission factor origin to another value such as "Engineering Judgment" and enter in the emission factor.



Reporting PM2.5 primary emissions

PM10, primary emissions are greater than zero and no PM2.5, primary emissions are being reported (PM2.5, primary emission factor origin defaults to "EPA Emission Factor" and the emission factor defaults to zero)

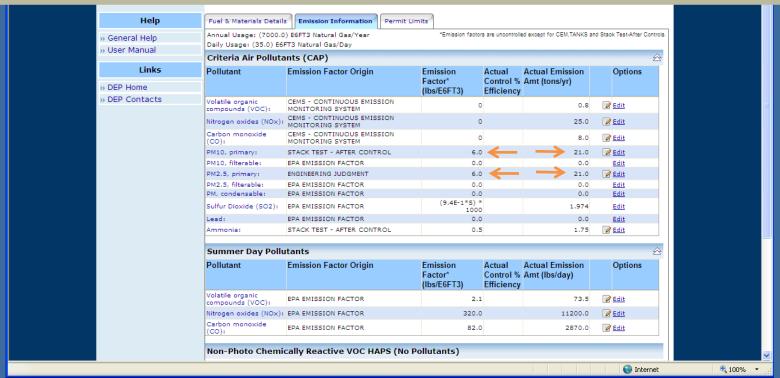


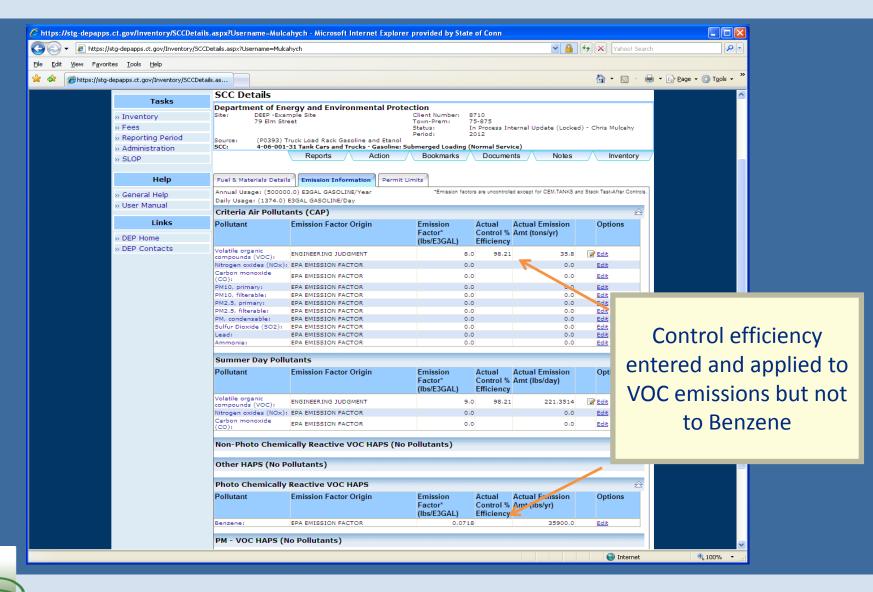


Reporting PM2.5 primary emissions

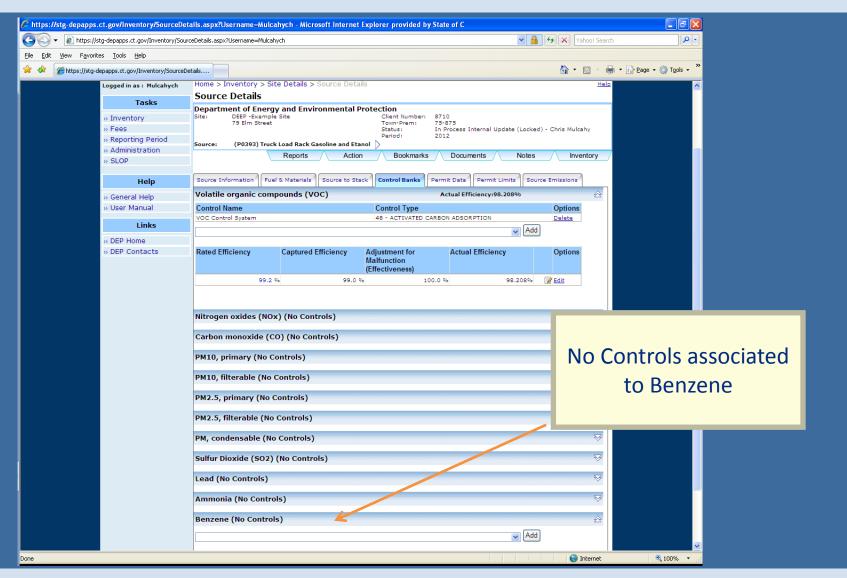
Two approaches for reporting PM2.5 emissions when a specific emission factor is not known, is to sum PM, Condensable and PM2.5, Filterable emissions if they are known or to set the PM2.5 primary emissions equal to the PM10 primary emissions by setting PM2.5 emission factor equal to the PM10, primary emission factor. Updated EMIT FAQ document on the DEEP website outlines other options, see

http://www.ct.gov/dep/lib/dep/air/emit/frequently asked questions emit.pdf

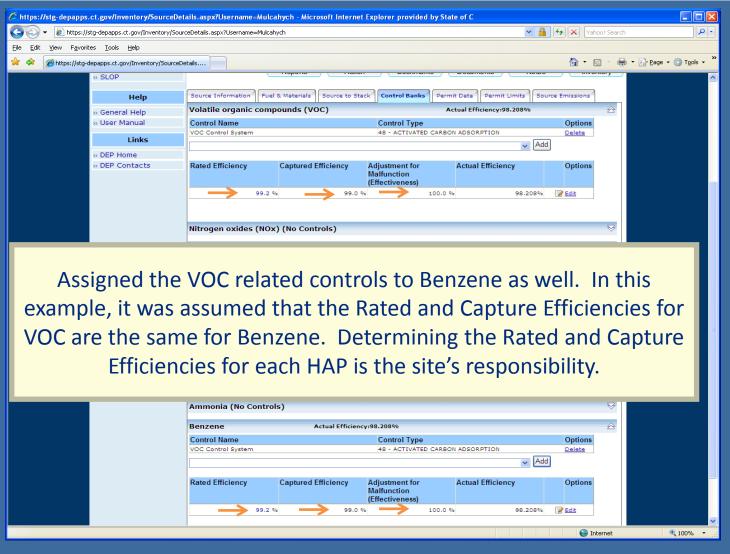




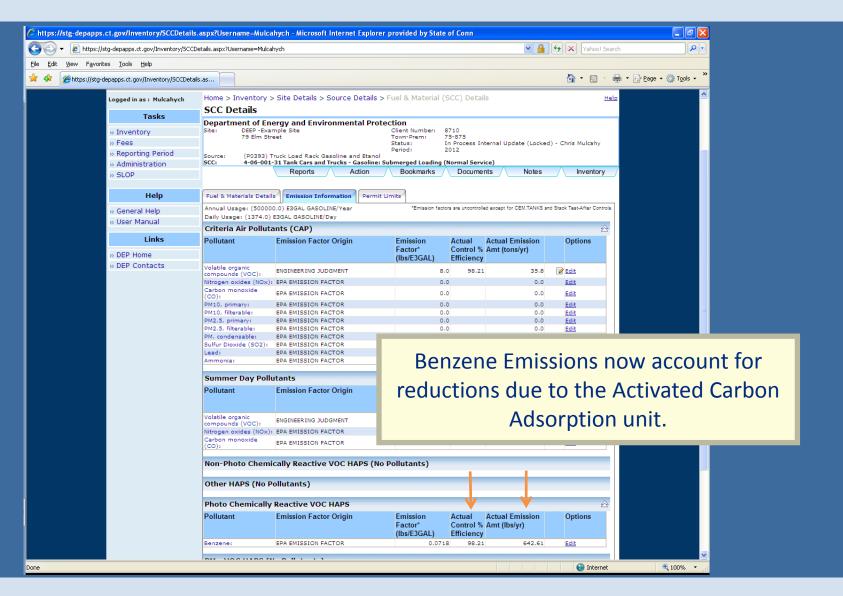














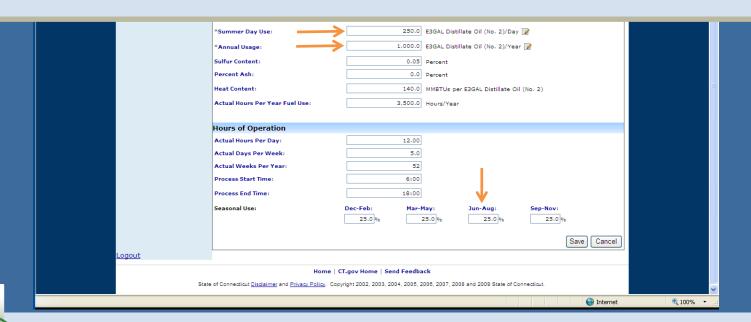
It appears that the site incorrectly reported their summer usage instead of their summer day usage. The summer day usage is the average daily use on days the source is operated during the period of June 1 through August 31, inclusive. It should **not** be the entire summer usage, unless the source operated for only 1 day in the summer. It is expected that the summer day usage will be calculated as follows:

Annual Usage*(Jun-Aug/100)/(DaysPerWeekOperatedInSummer*WeeksOperatedInSummer)

Assuming the site operated 5 days per week for all 13 weeks in the summer then

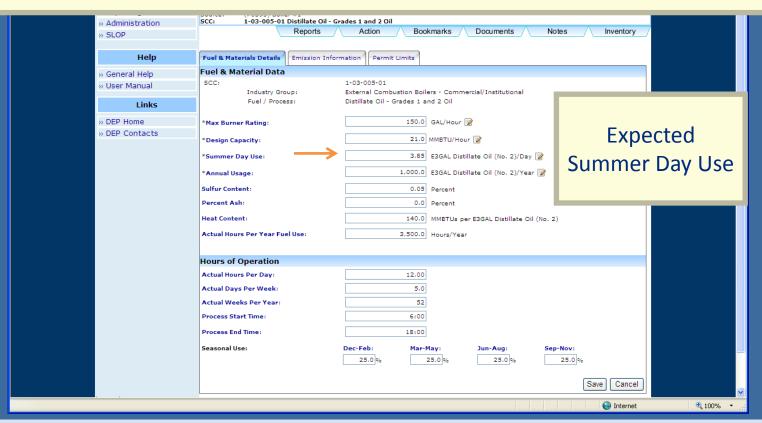
The expected summer day use = 1,000 E3GAL/Year* 0.25 / (5 * 13)

= 3.85 E3GAL/Day



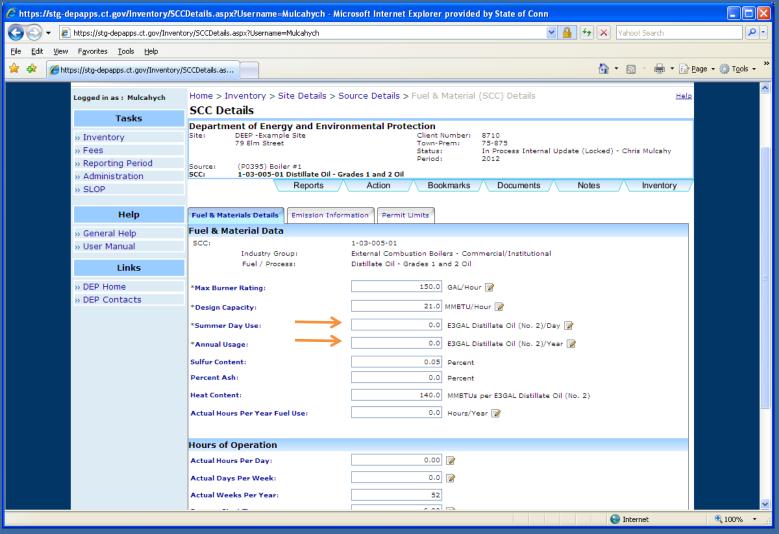
Calculating Summer Day Use

In this example, the summer day use of 250 E3Gal/Day results in NOx summer day emissions of 6,000 pounds, while the summer day use of 3.85 E3Gal/Day results in NOx summer day emissions of 92.4 pounds.





Remember to Zero Out Summer Day Use When Unit Was Not Used.





EPA OAQPS Notice Data Availability

- Director Steve Page has made 2018 Emissions modeling platform data available for public review.
- www.epa.gov/ttn/chief/emch/index/html#2011
- EPA will be accepting comments on the 2018 emissions modeling platform through June 30, 2014
- Comments will not be in time for the proposed transport rule for the 2008 Ozone standard.
 However, they will be considered for the modeling associated with the final transport rule.



Questions?

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