

South Carolina Emissions Inventories Updates and Issues



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SC DHEC-BAQ



What's New?

- SC DHEC Regulation 61-62.1, Section III
 - Published February, 2005
 - Changed reporting frequency for most facilities; now in line with federal reporting frequency (Consolidated Emissions Reporting Rule, or CERR)



What's New?

- Proposed AERR (Air Emissions Reporting Requirements)
 - Goes back to all Title V facilities reporting at least every three years
 - Shortens time to submit complete inventories to EPA



What's New?

- CROMERR (Cross-Media Electronic Reporting Rule)
 - Specifies requirements for electronic submittals
 - Extension to comply for existing systems; now January, 2010



What's New?

- Web-Steps
 - Web Satellite, Web i-Steps, Web-Sat.
 - Electronic Reporting by facilities to SC DHEC
 - Required for all facilities
 - CROMERR compliant
 - Letters to facilities in December
 - Training available in January

WebSteps



Emission Inventory Collection



User ID:	<input type="text"/>
Password:	<input type="password"/>
I forgot my password.	
<input type="button" value="Login"/>	
Help	

Reminder: Emission Inventory is Due by March 31!

User Manual *Bring up User Manual at Beginning*

Emission Inventory Collection

Process Unit Information

State Code ?	45	SOUTH CAROLINA
County Code ?	999	TO BE DELETED
Facility Name and ID ?	00002	**TEST FACILITY 2 **
Group Number ?	001	TEST BOILER
Process Number ?	2	
Process Description ?	<input type="text" value="BOILER 1 - 6OIL"/>	
Permit Equipment ID ?	<input type="text" value="BLR-6OIL"/>	
ConfidentialData ?	No <input type="button" value="v"/>	
Source Classification Code ?	<input type="text" value="10200401"/>	External Combustion Boilers - Indu
SCC Units ?	<input type="text" value="1000 Gallons Residual Oil (No. 6) Burned"/>	
Process Rate ?	<input type="text" value="637"/>	SCC Units
Ozone Season Process Rate ?	<input type="text"/>	SCC Units
Stack Number ?	<input type="text" value="1"/>	BOILER 1 STACK
Ash Content ?	<input type="text" value="0.00"/>	%
Sulfur Content ?	<input type="text" value="2.000"/>	%
Heat Content ?	<input type="text"/>	MMBTU
Date of Last Update ?	10/15/08	MM/DD/YYYY
Updated by ?	BBB	

Annual Air Emission Inventory and Emission Statement Facility Report

General Facility Information

Facility ID: 00001 County: 999 State: 45 Year Inventory: 2010
 Facility Name: **TEST FACILITY 1** SIC: 3519
 Street Address: 1 ORTHANC LANE Emissions
 Mail Address: PO BOX 1 Contact: SARUMAN (THE WISE)
 MORDOR Telephone #: 8005551212
 29201
 Comment:

Group Information

Group ID: 001 Actual Operating Schedule for This Group:
 Group Description: TEST BOILER
 Design Capacity: 12 Design Cap. Units: 1 Hours/Day: 24 Start Time:
 Percent Quarterly Throughput: Days/Week: 5
 Dec.-Feb. 0 Mar.-May 0 Jun.-Aug. 0 Sep.-Nov. 0 Weeks/Year: 50 End Time:
 03 Season Days 0

Process Unit Information

Process Unit ID: 1 Stack #1
 Description: BOILER 1 - NG Description: BOILER 1 STACK
 Source Classification Code (SCC): 39000689 Height: 100
 Description: In-process Fuel Use Diameter: 4.00
Natural Gas Vent Height: 0
General Velocity: 35.0
 AP-42 Units: Million Cubic Feet Natural Gas Burned Exit Temp.: 350
 Flow Rate: 0
 Fuel Quality: Percent Sulfur 0.000 Percent Ash 0.00 Heat Content 1
 Monthly Throughput:
 January: 0 April: 0 July: 0 October: 0
 February: 0 May: 0 August: 0 November: 0
 March: 0 June: 0 September: 0 December: 0
 Annual Throughput: 50 Units: Million Cubic Feet Natural Gas Burned

Process Unit Control Equipment

Control: 1 Type: 048 - VOC CONTROL
 Pollutant VOC Capture 100.000 Efficiency 99.00

Process Unit Emissions

Pollutant:	Pollutant Description:	Method:	Factor:	Estimated Emissions - No RE		Over All %	
				Tons/Yr:		Capture:	Control:
106467	1,4-DICHLOROBENZENE	9	0.0012	3.00e-5		0.000	0.000
110543	HEXANE	9	1.8	0.045		0.000	0.000
129000	PYRENE	9	0.000005	1.25e-7		0.000	0.000



Completing Inventories in Web-Steps

- Hierarchy of Emission Factors
- Use our previous supplemental sheets as a guide
- Call us with any questions
- Make sure all units are included
 - Insignificant activities are included at least once then carried forward
- Send your supporting calculations



Emissions Inventory vs. Technical Management Reports

Emissions Inventory

- Calendar year
- All emission units
- Insignificant activities included at least once
- Actual emissions data from facility as a whole

Tech. Management

- Reporting period
- Units required by permit only
- May be parameters other than actual emissions data



Emissions Inventory vs. Toxics Release Inventory (TRI)

Emissions Inventory

- Actual Emissions
- Quality Assured by SC DHEC
- Established calculation methods
- Based on permit type and actual emissions

TRI

- Actual Emissions
- No QA by SC DHEC
- No established calculation methods
- Based on actual emissions, not permit type



Most Important Fact

Your emissions are your emissions.

They should be consistent across all reporting.



Contact Me

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