

How to Serialize A Shutdown Checklist

This fact sheet addresses the initial steps in the process that takes place as authorized under Section 22a-174-3a(l) of the Regulations of Connecticut State Agencies and Title 40 CFR Part 51 Appendix S (IV) for shutdowns to be preserved as potential continuous emission reduction credits (CERCs) for possible use in lieu of offsets in permitting. If approved by the Connecticut Department of Energy and Environmental Protection (DEEP), the CERCs will be given a serial number and recorded in the DEEP registry.

The following information is required, subject to verification and approval by the Department, for consideration of CERC approval:

1	Documentation that the equipment was operational and that the emissions were included in the last SIP Emission Inventory used by the DEEP.	<i>22a-174-3a(l)(4)(B)(vi)</i>
2	Documentation that the equipment shutdown occurred after the last DEEP Planning & Standard Division baseline year.	<i>22a-174-3a(l)(5)(D)</i>
3	Documentation that the equipment is permanently shutdown, dismantled, and rendered inoperable or removed.	<i>22a-174-3a(l)(5)(E)</i>
4	The equipment description including the make, model, serial number, date of installation, facility internal ID number, date and details of final shutdown.	<i>22a-174-3a(l)(5)(B)</i>
5	The actual annual emissions history, in tpy, for the two years preceding the shutdown based on approved stack testing or CEM. Such documentation should be consistent with previous submissions to the Department's Bureau of Air Management Inventory Group. All discrepancies shall be identified and explained.	<i>22a-174-3a(l)(5)(C) & 22a-174-3a(l)(4)(B)(vi)</i>
6	The allowable emission limit for the two years preceding the shutdown. Such documentation should be consistent with the Act, permits, orders, SIP, attainment plan, Reasonable Further Progress plan, milestone demonstration, state and federal regulations including NSPS and NESHAPS, and state and federal statutes.	<i>22a-174-3a(l)(5)(D)</i>
7	The actual annual operating hours for the previous one or two year period (or other appropriate period if warranted by cyclical business conditions).	<i>22a-174-3a(l)(5)(C) & 40CFR51 App S (IV)(C)</i>

8	The actual operating conditions for the previous one or two year period (e.g., fuel consumption, actual throughput and vapor pressures) in conjunction with the required hardware controls.	<i>22a-174-3a(l)(5)(C)</i>
9	All increases and decreases of emissions from other stationary sources at: Any premises providing the shutdown. (This is evaluated relative to the creation of a net air quality benefit); and the subject premises providing the shutdown if the shutdown is being evaluated relative to the creation of a net emissions increase.	<i>22a-174-3a(l)(5)(B) & 40CFR51 App S (II)(A)(6)</i>
10	The permit or registration number and a copy of such document.	<i>22a-174-3a(l)(5)(D), (E)&(F)</i>
11	A request for the permit or registration revocation, if the source holds an individual permit or registration, and/or are authorized under a general permit. Any such request shall contain facts and reasons supporting the request.	<i>22a-174-3a(l)(5)(E)&(F)</i>
12	The permit or registration for the shutdown equipment shall be revoked in accordance with the Rules of Practice, Section 22a-3a-5(d) of the Regulations, as applicable.	<i>22a-174-3a(l)(5)(E)&(F)</i>
13	A certification as provided in Section 22a-174-2a of the RCSA.	<i>22a-174-3a(l)(5)(B)</i>
14	If approved, the CERCs will be enforceable and approved by commissioner in writing.	<i>22a-174-3a(l)(5)(F)</i>

The emissions reductions must be:

- Real (*from actual emissions*)
- Surplus (*not otherwise required by the Act, permit, order, SIP, attainment plan, Reasonable Further Progress Plan, milestone demonstration, regulations, statutes*)
- Permanent (*source of reduction shall be in place*)
- Quantifiable (*based on approved stack testing or CEM*), and
- Enforceable (*in a document approved by the Commissioner*)

As of March 2011, no credit will be given for shutdowns that occurred during or before the last DEEP Air Planning & Standard's Division baseline year for the planning process that closed on December 31, 2007.

For More Information

For additional information on serializing emissions from a shutdown source please Air Pollution Control Engineer III Michael LaFleur at michael.lafleur@ct.gov or 860-424-3462.