



Profile Completion Guide

Darlington Facility Only

Siemens is required to submit the signed original SCPF sheet to the Pennsylvania Department of Environmental Protection (PADEP) as a formal request for approval to process that material at the Darlington facility. The submission will only be required prior to the first shipment; if the process which generates the material and the material itself does not change, subsequent shipments can be accepted without submission of a new SCPF sheet. Profile is valid for one year and needs to be recertified.

The following describes the standard procedure for obtaining approval to send spent carbon from a new waste stream to the Darlington, PA facility for reactivation. **Please submit all information as a package. (A thru D)**

A. Preliminary Acceptance Testing

Prior to spent carbon approval and shipment, Siemens requires a one (1) quart spent carbon sample to be tested for physical properties and trial reactivation. Please send the sample via UPS or Federal Express with the Siemens Chain-of-Custody form to:

**Attn: Lab
Siemens Water Technologies Corp.
118 Park Rd
Darlington, PA 16115**

B. PA Certified Analyses

All analytical must be completed by a PA certified laboratory. You may use any PA certified lab or the list below. Please include the PA certified lab number with the report.

**Precision Laboratories
4450 Johnston Parkway, Unit B
Cleveland, OH 44128
P: 216-663-0808/
1- 800-969-0808
F: 216-663-0656**

**Cardinal Laboratories
2870 Salt Springs Road
Youngstown, OH 44509
1-800-523-0347
F: 330-797-3264**

C. Schematic- Process Drawing

D. Completed Profile Form

Profile Instructions for Completion

1. a) Write the mailing address of the generator of the spent carbon. This mailing address is where the manifest will be mailed. The mailing address must match the manifest mailing address. Write name of person responsible for completing the profile and who can be contacted with questions concerning the profile and/or shipment(s).
b) Consultant information.
c) Write the street address of the site location of the spent carbon if different from 1 a. If both are the same write "same". If hazardous, this address must match the EPA ID #.
d) Site EPA number. Must be included if hazardous.
2. Put X in the box which most closely describes the stream which contacts the carbon. Mark "other" and write a brief description if no close match is available.
3. Describe the engineering application of the carbon and the physical system involved. If product synthesis or formulation is involved please indicate what class of product is involved (e.g. explosives, insecticides, herbicides, and etc.) Please provide original process details generating constituent (s), (manufacturing, releases etc.) Verify if process /Spent Carbon is considered a listed waste. If not why? If state/federal or other remediation cleanup, please provide historical information. **ie..State/EPA records of decision, influent data and or other site historical characterization.**
4. a) Put X in box which most closely describes the carbon type.
b) Put X in the box which most closely describes the carbon mesh size. Mark "other" and write a brief description if no close match is available. This information will be verified by the sample analysis you provided to Siemens for the preliminary testing.
c) Write estimated annual consumption of activated carbon in pounds for the system.
d) Carbon Fill quantity in pounds for the system.
e) System Fill Quantity in pounds
5. Put X in the box which most closely describes the method of packaging which will be used to transport the carbon. Mark "other" and write a brief description if no close match is available.
6. Determine if this spent carbon is a RCRA Hazardous waste in accordance with 40 CFR 261. Mark "Yes" or "No". If "Yes" indicate the waste code(s) in the space provided.

Is the Spent Carbon a State Hazardous Waste? If yes, list waste codes.
7. a) If PCBs are known or suspected mark "Yes" and indicate concentration in section 13. Darlington/Parker facility is limited to <50 ppm PCBs influent and carbon analyses by current permits. Please contact your representative for further details.
b) Dibromochloropropane (DBCP) Special Analysis Required.
c) If dioxin or furan congeners are known to be present mark "Yes", and indicate concentration in item 14. Darlington limited to <20 ppb TEF as calculated by the US EPA Risk Assessment Approach as 2,3,7,8-TCDD equivalents in total dioxin and furan congeners. Analyses on Influent and Carbon. Please contact your representative for further details
d) If pesticides or herbicides are present mark "Yes" and indicate compounds and concentrations in section 14.
e) If halogenated organic compounds (i.e. iodated, brominated, chlorinated, or fluorinated) are present mark "Yes" and indicate compounds and concentrations in section 14.

- f/g) If organic or inorganic sulfur and/or cyanide compounds are present mark "Yes" and indicate compounds and concentrations in section 14.
- h) Radioactive Material/Explosive/Pyrophoric and Shock Sensitive.
- i) If heavy metals are present on the carbon (except for metals in the carbon substrate) mark "Yes" and check metals that apply in space provide. TCLP and Total analysis required.
- j) Specify any Chlorinated Phenols.
8. a) Check the box which indicates the pH of the spent carbon.
b) Check the Free Liquid Range of the spent carbon.
c) Check the liquid flashpoint of the spent carbon.
9. Indicate "Yes or No" if foreign material is present, please describe if yes
10. Strong Odor, please describe
11. Indicate "Yes or No" if this is a Superfund Site
12. Indicate if spent carbon was generated form a Subpart FF facility (Benzene NESHAP). **If yes complete Addendum A.**
13. (a&b) Indicate if this process is regulated under any hazardous organic NESHAP rule.
14. Indicate spent carbon/sorbent composition. Write each known organic and inorganic contaminant on the spent carbon/sorbent. List the estimated % of each constituents in the carbon and the activated carbon and water (moisture) content.
15. Initial (A & B) to certify that spent carbon does not contain greater than or equal to 50 PPM PCBs and greater than or equal to 20 PPB TEQ Dioxins. Indicate the spent carbon is not regulated under TSCA.
16. Certificate of Documents must be completed, signed and dated by the generator or authorized agent.

Questions or Comments please contact:

**Kristina Deonarine – judy.deonarine@siemens.com
P: 724-728-0790 x 540**

Or

**Roy Provins – james.r.provins@siemens.com
P: 724-827-8181 x 599**