SIEMENS

Profile Name: _____

Internal Use Only ☐

Date: _____

Spent Carbon Profile Form

118 Park Road, Darlington, PA 16115
Phone (724) 827-8181 • Fax (724) 827-2257
EPA ID: PAD 987 270 725

Generator Information

1) a) **Generator:**
Mailing Address:
Name:
Phone:
Email:

b) **Consultant:**
Mailing Address:

c) **Site:**
Site Address:

d) EPA ID #:
Name:
Phone:
Fax:
Email:

Spent Carbon Information

2) Carbon Application:
☐ Waste Water (WW) ☐ Solvent Recovery (SR) ☐ Potable Water (PW) ☐ SVE (AF)
☐ Ground Water (GW) ☐ Chem. Processing (CP) ☐ Food Processing (FP) ☐ Other _____
☐ Water Treatment (WT) ☐ Air Filtration (HVAC) ☐ VOC Control (AF)
☐ Aqueous ☐ Vapor ☐ Foreign Material (rock, dirt, sand etc)

If this is a renewal, provide the existing profile approval number _____

3) Application Systems Description. *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.) Carbon type: ☐ Lignite ☐ Coconut ☐ Granular
☐ Coal ☐ Wood ☐ Pellet
☐ Impregnat ed ☐ Powder
☐ Other approved non carbon sorbents

b.) Mesh size: ☐ 8x30 ☐ 4x10 ☐ 4x6
☐ 12x40 ☐ 6x16 ☐ Other _____

c.) Annual Usage: _____lbs d.) System Fill Quantity: _____lbs e.) Current Volume: _____lbs

Will reactivated carbon be returned to the generator? ☐ Yes ☐ No

5) Handling: ☐ Bulk ☐ Drum ☐ Bulk Bag ☐ Adsorber ☐ Other

Regulatory Information

6) Is the Spent Carbon a RCRA regulated material as per 40 CFR 261 or is the spent carbon a hazardous waste per 25 PA Code 261a? ☐ Yes ☐ No

If yes, list codes

Is the Spent Carbon a State Hazardous Waste? If yes, list waste code (s): ☐ Yes ☐ No

7) Does the Spent Carbon treat or contain any of the following:

A.	Polychlorinated Biphenyls (PCBs)	☐ Yes	☐ No
B.	Dibromochloropropane (DBCP)	☐ Yes	☐ No
C.	Dioxins and/or Furans	☐ Yes	☐ No
D.	Pesticides or Herbicides	☐ Yes	☐ No
E.	Halogenated Compounds	☐ Yes	☐ No
F.	Sulfur Containing Compounds	☐ Yes	☐ No
G.	Cyanide Containing Compounds	☐ Yes	☐ No
H.	Radioactive Material/Explosive/Pyrophoric and Shock Sensitive	☐ Yes	☐ No
I.	Heavy Metals (Identify, if yes, run total analysis)	☐ Yes	☐ No
J.	Chlorinated Phenols	☐ Yes	☐ No

Metals ☐ Arsenic ☐ Antimony ☐ Barium ☐ Beryllium ☐ Chromium ☐ Cadmium ☐ Lead
☐ Mercury ☐ Selenium ☐ Silver ☐ Thallium ☐ Other ____

8) a) pH: ☐ <2 ☐ 10.5 – 12.4 b) Flash Point: ☐ <70 ☐ 101-140
☐ 2 – 4 ☐ >12.5 ☐ 70-100 ☐ > 140
☐ 4.1 – 10.5

9) Foreign material? (if yes please describe or estimate quantity) ☐ Yes ☐ No

10) Strong Odor? If yes, please describe ☐ Yes ☐ No

11) Is Spent Carbon generated from a Superfund Site ☐ Yes ☐ No

12) Is the Spent Carbon generated from any activity at a chemical manufacturing plant, petroleum refinery or coke by-product recovery plant, i.e., a facility subject to Subpart FF (the Benzene Waste NESHAP? **If yes complete Addendum A** ☐ Yes ☐ No

13) Is this waste subject to one of the following NESHAP rules:

a) Hazardous Organic NESHAP (HON) ☐ Yes ☐ No

b) Pharmaceuticals production (subpart GGG) ☐ Yes ☐ No

Process Schematic / Sketch

Please provide schematic / sketch of process below or attach to profile.

Spent Carbon Composition

14) **Constituents:** **% by Weight**

Activated Carbon	%	
Water (Moisture)	%	
Organic Contaminants (list below)	%	

Organic Contaminants (list below)	Organic Contaminants (list below)

15) **I certify that**

_____ **Initials A)**

The spent carbon material described in this "Spent Carbon Profile Form" does not contain greater than or equal to 50 PPM polychlorinated biphenyls (PCBs) nor any dibenzo-p-dioxins in concentrations greater than or equal to 20 PPB in 2,3,7,8-TCDD Toxicity Equivalents (TEF) on the Carbon as may be calculated by the application of the most recent Toxicity Equivalency Factors (TEFs) as published by the USEPA;

_____ **Initials B)**

The influent to the spent carbon material described in the "Spent Carbon Profile Form" did not contain greater than or equal to 50 PPM of Polychlorinated biphenyls (PCBs). The subject carbon is not regulated under 40 CFR Part 761.

16) **Certification of Documents by Generator**

I hereby certify that all information on this and all attached documents are true and that this information accurately describes the subject spent carbon. I further certify that all samples and analyses submitted are representative of the subject spent carbon in accordance with the procedures established in 40 CFR 261 Appendix I or by using an equivalent method allowed by the PA Department of Environmental Protection. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Siemens Water Technologies to obtain a sample from any waste shipment for purposes of confirmation or further investigation. If I am a consultant signing on behalf of the generator, I have their proper approval.

Official: _____ **Title:** _____

Signature: _____ **Date:** _____

Spent Carbon Profile Form
Addendum A
Siemens Water Technologies Corp.

Pennsylvania 118 Park Road • Darlington • PA 16115
Phone (724) 827- 8181 • EPA ID: PAD 987 270 725

Benzene Waste Operations NESHAP • 40 CFR Part 61, Subpart FF

1. Is the Spent Carbon generated from any activity at a chemical manufacturing plant, petroleum refinery or coke by-product recovery plant, i.e., a facility subject to Subpart FF (the Benzene Waste NESHAP)?

   ☐ **Yes** ☐ **No**

2 If Yes, does the spent carbon contain any benzene?

   ☐ **Yes** ☐ **No**

   If Yes, the Generator must provide analytical data for total benzene concentration that is representative of the waste stream, consistent with 40 CFR § 61.355.

3. If Yes, does the Spent Carbon contain benzene which is required to be managed and treated in accordance with the provisions of Subpart FF?

   ☐ **Yes** ☐ **No**

   If Yes, the Generator agrees that it will:

   (i) send a notice with each shipment of Spent Carbon that is subject to Subpart FF stating that the shipment contains benzene and must be managed and treated in accordance with Subpart FF [40 CFR § 61.342(f)(2)]; and

   (ii) Prior to each shipment, test each container of Spent Carbon subject to Subpart FF test requirements to confirm no detectable emissions using EPA Method 21 upon initial use of the container [40CFR § 61.345(a)(1)(i)].

In addition to certification on the attached Spent Carbon Profile Form, I further certify that all information on this Addendum A is true and accurate, and that all samples and analyses submitted are representative of the subject spent carbon in accordance with the procedures established in 40 CFR § 61.355.

A) _____
Signature of Generator or Generator's authorized agent

B) _____
Name of Generator or Generator's authorized agent

C) _____
Date

D) _____
Title