This form must be completed entirely to prevent delay in the carbon acceptance process. Ship completed paperwork and representative spent carbon sample to:

Calgon Carbon Corporation  
Attention: Carbon Acceptance Department  
3000 GSK Drive  
Moon Township, PA 15108

To obtain a sample kit, please call 800-422-7266.

Include the Certification of Generator Form for spent carbons deemed RCRA-hazardous. All samples must include a Chain of Custody Record and secure the shipping package with the Chain of Custody Record seal.

It is the responsibility of the generator to make a hazardous waste determination as defined in 40 CFR 262.11. If you have specific questions on these subjects or if you need assistance completing this document, email: carbonacceptance@kuraray.com or call 800-422-7266 and ask for the Carbon Acceptance Department.

Section 1 – Generator Information

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Facility Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address</td>
<td>Facility Address</td>
</tr>
<tr>
<td>City, State, Zip</td>
<td>Facility City, State, Zip</td>
</tr>
<tr>
<td>Technical Contact</td>
<td>Technical Contact Title</td>
</tr>
<tr>
<td>Technical Contact Telephone #</td>
<td>Technical Contact E-Mail Address</td>
</tr>
<tr>
<td>Technical Contact Fax #</td>
<td>Technical Contact Cell #</td>
</tr>
</tbody>
</table>

If APD is for recertification of an existing profile, please provide the Carbon Acceptance Number (CAN):

Calgon Carbon Technical Sales Representative

Section 2 – Billing Information

Please refer to the Testing Fee Schedule to determine the total cost for a new carbon acceptance project or recertification testing of an existing approval. Provide a purchase order number for this amount. This information is required in order for testing to begin.

Enter Purchase Order Number for Acceptance Testing:  
PO Amount:

<table>
<thead>
<tr>
<th>Bill to Name</th>
<th>Attention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Telephone/Cell #</td>
</tr>
<tr>
<td>City, State, Zip</td>
<td>Email</td>
</tr>
</tbody>
</table>

Section 3 – Notice to RCRA Manifested Spent Carbon Generators

As a requirement of 40 CFR 264.12(b), Calgon Carbon Corporation is required to notify hazardous waste generators that its facilities have the proper permits in place to accept hazardous spent carbon. The facilities covered under this notification are:

<table>
<thead>
<tr>
<th>Facility</th>
<th>EPA ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catlettsburg, KY</td>
<td>KYD005009923</td>
</tr>
<tr>
<td>Neville Island, PA</td>
<td>PAD000736942</td>
</tr>
</tbody>
</table>
### Section 4 – Regulatory Profile

#### Carbon Sampling Information

4.1. Was the sampling method used to obtain a representative sample of the spent carbon collected according to 40 CFR Part 261 – Appendix I, or by using an equivalent method including those provided by Calgon Carbon? Briefly describe method used to obtain sample:

| □ YES |  |

4.2. Type of Sample:

- □ Composite Sample
- □ Grab Sample
- □ Carbon Acceptance Canister Sample

Date Sample Collected: __________________

#### Waste Characterization Information

4.3. As a waste generator, you must determine the waste classification according to 40 CFR Part 262.11 to ensure it is properly managed. Has this determination been performed on the spent carbon?

| □ YES | □ NO |

4.4. Is the spent carbon a RCRA hazardous waste as defined in 40 CFR Part 261?

- If “YES”, list EPA waste code(s):

  □ YES  □ NO

- If “YES”, list Facility EPA ID#:

  □ YES  □ NO

4.5. Is the spent carbon a hazardous waste in the facility’s state or province?

- If “YES”, list state or provincial waste code(s):

  □ YES  □ NO

- If “YES”, list Facility State ID#:

  □ YES  □ NO

4.6. Has the Toxicity Characteristic Leaching Procedure (TCLP) been performed on the spent carbon sample?

| □ YES | □ NO |

4.7. If “YES”, attach complete analytical report.

- For PA reactivation, enter PA Laboratory Registration Number here: ______________________

- If “NO”, provide a detailed explanation (attach any additional documentation) supporting use of generator process knowledge in lieu of actual chemical analysis:

4.8. Will there be any free liquids present in the spent activated carbon that will have a flash point <140° F (i.e. ignitable) upon arrival at the reactivation facility? If “YES”, please explain:

| □ YES | □ NO |

#### Additional Regulatory Information

4.9. Does the spent carbon contain benzene subject to the Benzene Waste Operations NESHAP control requirements (40 CFR Part 61 Subpart FF)?

| □ YES | □ NO |

4.10. Is the carbon treating a stream which is subject to the Hazardous Organic NESHAP (HON) Standard (40 CFR Part 63)?

| □ YES | □ NO |

4.11. Is the spent carbon generated at a SUPERFUND (CERCLA) Site?

| □ YES | □ NO |

4.12. Does the spent carbon contain substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372? If “YES”, list substances:

| □ YES | □ NO |

4.13. Is the spent carbon known to have radioactive characteristics? If “YES”, please explain:

| □ YES | □ NO |

4.14. Does the spent carbon have the potential to possess radioactive characteristics based on radioactivity in the treated application? If “YES”, please explain:

| □ YES | □ NO |

4.15. Check the appropriate DOT shipping name for the spent carbon:

- □ Not Regulated
- □ Other ______________________
- □ NA3077, Hazardous Waste, Solid, N.O.S., 9, III, (list waste codes) ______________________
- □ RQ, NA3077, Hazardous Waste, Solid, N.O.S., 9, III, (list waste codes) ______________________
- □ UN3077, Environmentally Hazardous Substance Solid, N.O.S., 9, III ______________________
- □ RQ, UN3077, Environmentally Hazardous Substance Solid, N.O.S., 9, III ______________________
Section 5 – Carbon Identification and Return Information

5.1 Calgon Carbon Product? □ YES □ NO
If "YES", enter product name here:
If "NO", indicate product type:
□ Coal Base □ Coconut Base □ Other __________
If “NO”, will future shipments be Calgon Carbon Product? □ YES □ NO

5.2 Carbon Type: □ Granular □ Pellet □ Granular/Pellet Mix

5.3 Is the spent carbon free flowing and/or able to be readily transferred from the carbon adsorber/equipment? (i.e. spent carbon particles must not be conglomerated.) □ YES □ NO
If “NO”, describe:

5.4 Will the spent carbon contain any filter media such as silt, sand, gravel or other foreign material/debris? □ YES □ NO
If “YES”, describe:

5.5 Adsorption Equipment by: □ Calgon Carbon □ Customer □ Other __________

5.6 Shipment Volume (lbs):

5.7 Return Frequency: _____ Times per Week, Month, Year (Circle frequency); or every _____ years; or _____ One Time Only

5.8 Containment Mode for Transporting Spent Carbon to Reactivation Facility: (Check one)
□ Bulk/Dump Truck □ 1800 lb. Vapor Pac □ 2000 lb. Cyclesorb
□ Calgon Bins □ Vapor Pac 10 □ 1000 lb. Cyclesorb
□ Super Sack □ Vapor Pac 5 □ Flowsorb
□ 55 gal. metal drum □ Ventsorb □ Mobile Adsorber
□ Roll-off box* □ Indoor Air Quality (IAQ) Panels
□ Other* (Describe):

Section 6 – Stream Profile

6.1 Select Type of Stream (Check only one)

<table>
<thead>
<tr>
<th>Liquid Phase Treatment</th>
<th>Vapor Phase Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Spill Clean-up</td>
<td>□ Potable Water – GW</td>
</tr>
<tr>
<td>□ Industrial Process</td>
<td>□ Industrial Wastewater</td>
</tr>
<tr>
<td>□ Food-Grade Process</td>
<td>□ Groundwater</td>
</tr>
<tr>
<td>□ Potable Water – Surface</td>
<td>□ Other – Describe below</td>
</tr>
</tbody>
</table>

Other liquid treatment description: Other vapor treatment description:

6.2 Stream Components - List the possible adsorbed compounds in the stream:

6.3 Provide a detailed description of the process that generates the spent carbon:

Section 7 – Environmental Audit of Reactivation Facilities

7.1 Will it be necessary for you to perform an environmental audit of the reactivation facilities prior to the return of spent carbon? If an audit is requested you will be contacted to make arrangements. □ YES □ NO
### Section 8 – Safety and Chemical Profile

(Attach relevant analyses, toxicological studies, safety data sheets (SDS), etc.)

Does the spent carbon contain any of the following compounds or conditions? If “YES”, describe.

<table>
<thead>
<tr>
<th>Check One</th>
<th>Describe</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **8.1** OSHA Regulated Carcinogens (per 29 CFR §1910.1003)  
- **8.2** Halogenated Organics (Cl, F, Br, I compounds)  
- **8.3** Sulfur-Containing Compounds  
- **8.4** Highly Toxic Compounds  
- **8.5** Biological or Disease-Causing Agents  
- **8.6** Explosive Compounds (Self-Igniting/Shock Sensitive Material)  
- **8.7** Odorous Compounds  
- **8.8** 1,2-Dibromo-3-chloropropane (DBCP)  
- **8.9** Oxidizers as defined in 40 CFR 261.21(a)  
- **8.10** Metals (As, Ba, Cd, Cr, Cr+6, Pb, Hg, Se, Cu, Mn, Ni, Zn)

For the following conditions, if answered “YES”, attach representative analytical report from an accredited laboratory or select the appropriate analyses on the Testing Fee Schedule and indicate on the sample Chain of Custody Form.

- **8.11** TCLP Regulatory Compounds (SW846 1311)  
- **8.12** Pesticides/Herbicides (SW846 8082)  
- **8.13** Total Cyanide (SW846 9012)  
- **8.14** Total Sulfide (SW846 9030)  
- **8.15** Polychlorinated Biphenyls (PCBs) (SW846 8082)  
- **8.16** Dioxins/Furans (SW846 8280)  
- **8.17** Are there any unique safe handling requirements necessary for processing the spent carbon? If “YES”, describe:

- **8.18** If the spent carbon contains proprietary chemicals, list any acute or chronic hazards associated with or alleged to be associated with human contact or exposure to the material.

### Section 9 – Generator Certification

I, the Generator and/or Authorized Agent, certify this Adsorbate Profile Document and all the attachments contain true and accurate descriptions of the spent carbon. All of the relevant information within the possession of the Generator regarding known or suspected hazards has been disclosed to Calgon Carbon Corporation. I, the Generator and/or Authorized Agent, acknowledge that Calgon Carbon Corporation must rely on the Generator certification of all chemical and physical characteristics of hazardous substances managed or processed by Calgon Carbon Corporation.

I acknowledge that any changes in character or adsorbate loading, which deviate from this profile, may warrant completion of a new profile document, representative sample and/or a new approval number. Calgon Carbon Corporation reserves the right to rescind any spent carbon returns, which significantly differ from the approved profile.

Name ________________________________ Title ________________________________

Signature ________________________________ Date ________________________________

### Section 10 – Confidentiality

(to be completed by Calgon Carbon authorized personnel)

Calgon Carbon Corporation, as a consideration of the customer’s release of the above information and any Calgon subsequent data provided, agrees to treat such information as confidential property and will not disclose such information to others except as required by law and facility operating permits.

Name ________________________________ Title ________________________________

Signature ________________________________ Date ________________________________

Carbon Acceptance Number____________________ Profile Renewal Date____________________

Page 4 of 4  APD 02/04/2020
# Testing Fee Schedule

### Standard Carbon Acceptance Testing (must select one)

<table>
<thead>
<tr>
<th>Selection must match waste characterization on page 2 of the APD</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Hazardous Reactivation Testing Fee (Vapor Phase)</td>
<td>$800.00</td>
</tr>
<tr>
<td>Non-Hazardous Reactivation Testing Fee (Liquid Phase)</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>RCRA Hazardous Reactivation Testing Fee (Vapor Phase)</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>RCRA Hazardous Reactivation Testing Fee (Liquid Phase)</td>
<td>$1,200.00</td>
</tr>
</tbody>
</table>

Total Standard Testing Fee: $

Each project is tested for a standard list of volatile (SW846 8260) and semivolatile (SW846 8270) organic compounds, 1,2-Dibromo-3-chloropropane (SW846 8260), lead (SW846 6010) and mercury (SW846 7471).

All liquid phase treatment projects are tested for a specific list of metals.

### Additional Testing Services

If answered "YES" in Section 9 of the APD, then a recent analytical report must be provided for Carbon Acceptance review to be completed; or you may check the appropriate selection below and have the testing performed by Calgon Carbon.

<table>
<thead>
<tr>
<th></th>
<th>Fee/Turnaround Time (check as necessary)</th>
<th>10 Days</th>
<th>5 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dioxins/Furans (SW846 8280)</td>
<td></td>
<td>$1,260.00</td>
<td>$1,450.00</td>
</tr>
<tr>
<td>Polychlorinated Biphenyls (PCB) (SW846 8082)</td>
<td></td>
<td>$150.00</td>
<td>$175.00</td>
</tr>
<tr>
<td>Total Sulfide (SW846 9030)</td>
<td></td>
<td>$50.00</td>
<td>$60.00</td>
</tr>
<tr>
<td>Total Cyanide (SW846 9012)</td>
<td></td>
<td>$50.00</td>
<td>$60.00</td>
</tr>
<tr>
<td>TCLP Volatiles (SW846 1311 &amp; 8260)</td>
<td></td>
<td>$260.00</td>
<td>$300.00</td>
</tr>
<tr>
<td>TCLP Semi-Volatiles (SW846 1311 &amp; 8270)</td>
<td></td>
<td>$450.00</td>
<td>$515.00</td>
</tr>
<tr>
<td>TCLP Metals (SW846 1311 6010 &amp; 7470)</td>
<td></td>
<td>$200.00</td>
<td>$225.00</td>
</tr>
<tr>
<td>TCLP Pesticide/Herbicide (SW846 1311 &amp; 8081)</td>
<td></td>
<td>$520.00</td>
<td>$600.00</td>
</tr>
</tbody>
</table>

Subtotal of Additional Testing Services: $

Total Testing Fee = Total Standard Testing Fee + Subtotal of Additional Testing Services

All samples must be shipped in glass sample bottle(s) with a Teflon-lined lid. Samples must be shipped in a sample cooler that is filled with sufficient ice to maintain a sample temperature of to 2-6 °C. If needed, these items can be ordered by calling 1-866-225-4660.

---

Rev.0
February 2016
VI. CERTIFICATION OF GENERATOR

I certify under penalty of law that the spent activated carbon (SAC), classified as a hazardous waste, to be sent to Calgon Carbon Corporation's Neville Island regeneration facility was originally used in the manner prescribed by Calgon for waste treatment and no adulteration of the waste stream(s) or the SAC has occurred to the best of my knowledge. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Company Name _________________________ Location _________________________

Name of Responsible Official _________________________ Title _________________________

Signature ______________________________________ Date _________________________

Taken, sworn and subscribed before me, this

____________ day of _________________________ A.D 20____

______________________________________________

NOTARY SEAL

______________________________________________