

Adsorbate Profile Document Instructions (APD 03/01/2007)

INSTRUCTIONS FOR THE COMPLETION OF THE ADSORBATE PROFILE DOCUMENT

The Adsorbate Profile Document (4 page document) must be completed and returned to Calgon Carbon Corporation, along with the Carbon Acceptance Canister or Sample Bottle containing the spent carbon, in order for the carbon acceptance process to begin. If the spent carbon return will be RCRA-hazardous, the Certificate of Generator Form and the Chain of Custody Document must also be completed and returned to Calgon Carbon.

Please complete the Adsorbate Profile Document using the following guidelines:

Section 1 - Generator Information

- Fill in the generator name, address, and telephone number. The mailing address should be the one to which correspondence should be sent.
- Include the facility name and address if it is different from the mailing address, or if the mailing address is a P. O. Box number.
- Be sure to include the name, telephone numbers, fax number and email address of a technical contact person in case there are any questions about your documents or sample.

Section 2 - Billing Information

- Fill in the name of your Calgon Carbon Technical Sales Representative.
- You must indicate your purchase order number for the carbon acceptance testing. The fee for this testing is \$400 (USD) for non-hazardous projects and \$1000 (USD) for RCRA hazardous projects. This information is required in order for the approval process to begin.
- Fill in the billing name, address, telephone number and contact information.

Section 3 - Notice to RCRA Spent Carbon Generators

- This notification is provided to generators who will return RCRA-hazardous spent carbon. The notification is required by regulation.

Section 4 - Regulatory Information

Note: It is the responsibility of the generator/customer to characterize the spent carbon, including the determination and declaration of RCRA status, disclosure of contaminants being treated, etc. If you have specific questions on these subjects or if you need help completing this document, call 1-800-422-7266 and ask for the Carbon Acceptance Department.

Note to Canadian Customers: If you have difficulties completing this section, or intend to declare your spent carbon as RCRA-hazardous, contact the Carbon Acceptance Department at 1-800-422-7266 or 1-412-787-6700. Staff will answer your questions and also advise you of the additional notifications and documents required under Canadian and United States laws for the import/export of hazardous waste.

- Indicate whether the spent carbon has been generated at a SUPERFUND site. (Does not apply to Canadian customers).
- Answer “Yes” or “No” to the question about the sample being submitted for carbon acceptance testing representative as defined in 40 CFR 261 – Appendix I or by using an equivalent method. It is vitally important that spent carbon samples be collected in a way that accurately represents the entire spent carbon system. Spent carbon samples are analyzed for critical parameters and the results of this testing are used in the acceptability of the spent carbon for reactivation.
- If the *spent carbon* has been tested according to the Toxic Characteristic Leaching Protocol (TCLP) in order to determine whether it exhibits the Characteristic of Toxicity (40CFR Part 261.24), attach the analytical results. NOTE: *TCLP TESTING IS NOT PART OF THE STANDARD CARBON ACCEPTANCE TEST PROTOCOL.* We can, however, have the test performed for you to assist you in making the RCRA determination for the spent carbon. Additional costs are incurred for this testing, and the cost is dependent upon the particular compounds of interest. Contact the Carbon Acceptance Department or your Technical Sales Representative for more information.

If TCLP testing has been performed, then the lab report must be submitted along with the Adsorbate Profile Document. If the laboratory has been issued a PA Laboratory Registration Number, it should be entered.

If TCLP testing has not been performed, then a detailed explanation supporting use of generator process knowledge in lieu of actual chemical analysis must be attached to the Adsorbate Profile Document.

- Answer “Yes” or “No” to the question, “Has a hazardous waste determination been done for the waste stream as defined in 40 CFR Part 262.11?”

Indicate whether the spent carbon is considered a hazardous waste under the RCRA regulations. Is the spent carbon used to treat a stream which contains a *listed waste* (40 CFR Part 261.31-261.33)? Has testing shown that the spent carbon is a *characteristic waste* (40CFR Part 261.21-261.24)? If "YES," list all of the hazardous waste code numbers which describe the spent carbon and which will appear on the hazardous waste manifest which will accompany the spent carbon return. Attach an additional page, if necessary.

If the facility has been issued a 12-character alpha-numeric EPA ID number, it should be entered. This information *must* be included for RCRA-hazardous spent carbons. (Does not apply to Canadian customers.)

- Answer "YES" or "NO" to the question about whether the spent carbon is a hazardous waste in the facility's state or province.
- Include the appropriate state or provincial waste codes.
- If the facility has a state or provincial ID number, list it.
- Indicate whether the stream the carbon treats is regulated for benzene under the National Emissions Standards for Hazardous Air Pollutants (NESHAP) (40CFR Part 61). (Does not apply to Canadian customers.)
- Indicate whether the stream the carbon treats is regulated for hazardous organics under the National Emissions Standards for Hazardous Air Pollutants (NESHAP) (40CFR Part 63.) (Does not apply to Canadian customers.)
- If the spent carbon contains chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 372, answer "YES," and list the chemicals.
- Answer "YES" or "NO" to the question about the presence of PCBs on the spent carbon.

If "YES," you must report and certify the actual concentration. Total PCBs on the spent carbon must be below 50 mg/kg to be accepted for reactivation.

- Answer "YES" or "NO" to the question about the presence of Dioxins or 1,2-Dibromo-3-chloropropane on the spent carbon. *The carbon acceptance request cannot be processed if this question has not been answered.*
- Answer "YES" or "NO" to the question about whether the spent carbon is KNOWN to have radioactive characteristics. If you answer "YES", explain in full.
- Answer "YES" or "NO" to the question about whether the spent carbon has a POTENTIAL to have radioactive characteristics due to radioactivity in the stream which is being treated. If you answer "YES", explain in full
- You *must* indicate whether the stream being treated (liquid or vapor) originates from an aqueous stream.
- Check the proper DOT shipping name for the spent carbon.

Section 5 - Carbon Identification and Return Information

- Answer all of the questions in this section regarding the type of carbon, liquid or vapor service, mesh size, product name, etc. Indicate whether the spent carbon is free-flowing and whether it contains any foreign material (silt, sand, gravel, etc.).
- Indicate whether the adsorption equipment has been supplied by Calgon Carbon or comes from another source.
- How many pounds of spent carbon will be returned in each shipment?
- How frequently will spent carbon be returned from your facility for reactivation?
- Indicate the method of return: bulk trailer or package equipment. Be specific.

Section 6 - Stream profile

- Under Liquid Phase or Vapor Phase Treatment, check the type of stream being treated.
- List the principal stream components and their concentration.

- Briefly describe how the stream is generated.
- Indicate stream flow rate to the carbon adsorber, stream temperature, and (for liquid phase treatment) whether the stream is saturated with inorganic salts.

Section 7 – Disposal Methods

- Answer “Yes” or “No” to each disposal method.

Section 8 – Environmental Audit of Facilities

- Indicate whether it will be necessary for you to perform an audit of our facilities prior to return of spent carbon. If you request an audit, you will be contacted.

Section 9 - Safety Profile

- Your completion of this section enables us to handle your spent carbon safely in our reactivation facilities. Please answer "YES" or "NO" to each of the specific categories of chemicals listed. Give as much information as possible about any known hazards or specific safe handling requirements.

Section 10 - Certification

- This section is your certification that the information you have included on the Adsorbate Profile Document is complete, accurate, and true. **This section must be completed.**

Section 11 - Confidentiality

- To be completed by Calgon Carbon Corporation.
- Once your Adsorbate Profile Document is received, reviewed, and approved by Calgon Carbon Corporation, a responsible party will sign and date the "Confidentiality Agreement" and return a copy of the entire document for your files. This statement confirms that any information you have disclosed will be treated in confidence except as required by law and the requirements of our facility operating permits.