



551 N. US Highway 41
Dunnellon, Florida 34432
P: 352.465.5959
F: 352.465.0679

DONAU CARBON US LLC

November 30, 2021

Shanna Folse
Purchasing Department
Jefferson Parish
200 Derbigny St
STE 4400
Gretna LA 70053

**Regarding: Bid 50-00136291 Two Year Contract for the Supply of Bulk PAC for Jefferson Paris
Department**

Dear Ms Shanna Folse,

We appreciate the opportunity to bid for your powdered activated carbon business.

Donau Carbon US LLC manufactures a variety of powdered activated carbon products for potable water applications. Our steam-activated Watercarb is produced from high-quality raw material, ensuring outstanding performance in removal of taste and odor causing agents from potable water.

We respectfully submit this response within specification for the supply of powdered activated carbon at the East Bank and West Jefferson Parish water treatment plant.

Watercarb meets or exceeds the applicable provisions of AWWA Standard B600 in all respects and is certified to NSF/ANSI Standard 61.

We are currently supplying powdered activated carbon to numerous large municipalities throughout the United States and welcome the opportunity to serve Jefferson Parish.

Please feel free to contact Brian Hacker anytime on 407.364.5151 for additional information.

Regards,

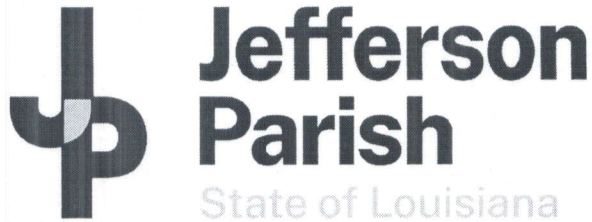
A handwritten signature in blue ink, appearing to read 'Patrick Maloney', is written over the printed name.

Patrick Maloney
CEO

Donau Carbon US LLC

P: 352.465.5959

E: admin.us@donau-carbon.com



BID NUMBER- 50-00136291

**Two (2) Year Contract for Bulk Activated Carbon for The Jefferson
Parish Water Department**

BID DUE: December 2, 2021 AT 2:00 PM

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received on the Purchasing
Department's eProcurement site, www.jeffparishbids.net, by the bid due date
and time. Late bids will not be accepted.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer Name: SHANNA FOLSE
Buyer Email: sfelse@jeffparish.net
Buyer Phone: 504-364-2680**

Bulk Powdered Activated Carbon

For a 2 year contract

Bid #50-00136291

- A. The powdered activated carbon must meet the requirements of the latest version of American Water Works Association Standard B600, must have a phenol value of 1.8 - 3.2 g/L, and must be certified for use in drinking water under National Sanitation Foundation Standard 60.
- B. Each vendor must bid only one PAC product, clearly indicating the product name on the bid. A technical information sheet on the product must accompany the bid.
- C. Shippers must provide the necessary properly sized equipment to quickly unload their product into the designated storage tanks at the delivery site. Vendors must verify compatibility of their hose connections with our tanks before bidding (contact plant superintendents at 504-838-4398 for East Bank and 504-349-5085 for West Bank). Delivery trucks must provide their own source of air if it is required for unloading. The East Bank Water Treatment Plant is located at 3600 Jefferson Highway, Jefferson, LA 70121. The West Bank Water Treatment Plant is located at 4500 West Bank Expressway, Marrero, LA 70072.
- D. The bulk broad spectrum powdered activated carbon must be delivered freight prepaid in 20-ton shipments to both the East and West Bank Water Treatment Plants as required and within 7 calendar days after the order is placed.
- E. Approximate total quantity for the 2-year contract is 400 tons. Quantity listed is for bidding purposes only and is not to be construed as the actual quantity to be purchases over the 2-year contract period. Actual requirements may be more or less than the quantity listed.

DATE: 11/03/2021

INVITATION TO BID
THIS IS NOT AN ORDER

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BID NO.: 50-00136291

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

BUYER: SFOLSE@jeffparish.net

BIDS WILL BE RECEIVED ONLINE VIA WWW.JEFFPARISHBIDS.NET UNTIL 2:00 PM, 12/02/2021 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647 as amended.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA - R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

DATE: 11/03/2021

BID NO.: 50-00136291

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

10, 12, 13, 15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment."). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

DATE: 11/03/2021

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BID NO.: 50-00136291

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) N/A

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Donau Carbon US LLC

ADDRESS: 551 N US Hwy 41

CITY, STATE: Dunnellon FL

ZIP: 34432

TELEPHONE: (352) 465-5959

FAX: (352) 465-0679

EMAIL ADDRESS: admin.us@donau-carbon.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ _____

AUTHORIZED

SIGNATURE: 

Patrick Maloney

Printed Name

TITLE: CEO

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 11/03/2021

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INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00136291

SEALED BID

| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|----------------|----------|-----|--|----------------------|-----------|
| 1 | 400.00 | TN | <p>TWO (2) YEAR CONTRACT FOR BULK ACTIVATED CARBON FOR THE JEFFERSON PARISH WATER DEPARTMENT</p> <p>0010 - TWO YEAR CONTRACT FOR THE SUPPLY OF BULK POWDERED ACTIVATED CARBON FOR BROAD SPECTRUM ORGANICS REMOVAL (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).</p> <p>DELIVERY LOCATIONS:</p> <p>EASTBANK WATER PLANT 3600 JEFFERSON HIGHWAY JEFFERSON, LA 70121</p> <p>WESTBANK WATER PLANT 4500 WESTBANK EXPRESSWAY MARRERO, LA 70072</p> | \$2,040 | \$816,000 |

Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Florida

PARISH/COUNTY OF Marion

BEFORE ME, the undersigned authority, personally came and appeared: _____

Patrick Maloney, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized CEO of Donau Carbon US LLC (Entity), the party who submitted a bid in response to Bid Number 50-00136291, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

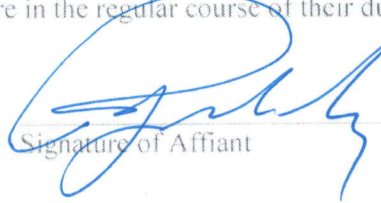
Choice B X _____ There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

Patrick Maloney

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 1st DAY OF December 2021.



Notary Public

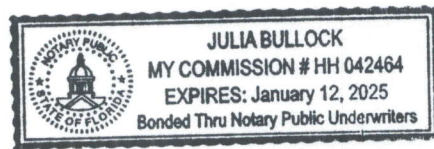
Julia Bullock

Printed Name of Notary

HH042464

Notary/Bar Roll Number

01.12.25
My commission expires



CORPORATE RESOLUTION

See attached

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

SECRETARY-TREASURER

DATE

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"STANDARD CARBON LLC", A DELAWARE LIMITED LIABILITY COMPANY,
WITH AND INTO "DONAU CARBON US LLC" UNDER THE NAME OF "DONAU
CARBON US LLC", A LIMITED LIABILITY COMPANY ORGANIZED AND
EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED
AND FILED IN THIS OFFICE ON THE SIXTH DAY OF JULY, A.D. 2016, AT
4:40 O`CLOCK P.M.




Jeffrey W. Bullock, Secretary of State

6044622 8100M
SR# 20164798792

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 202615113
Date: 07-06-16

STANDARD INSURANCE REQUIREMENTS FOR BIDDING PURPOSES

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the **Invitation to Bid**. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name **the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council** as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE

☒ **WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being

rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required if selected below. Such insurance is due upon contract execution.

☐ **OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

☐ **BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/14/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER Brown & Brown of Florida, Inc. P.O. Box 173086 Tampa FL 33672 | | CONTACT NAME: Tammie Straughn PHONE (A/C, No, Ext): (800) 755-7297 FAX (A/C, No): E-MAIL ADDRESS: tstraughn@bbtampa.com | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|---|-------------------------------|--|--------|------------|------------------------------|-------|------------|-------------------------------|-------|------------|------------------------|-------|------------|--|--|------------|--|--|------------|--|--|
| INSURED Donau Carbon US, LLC 551 N US Hwy 41 Dunnellon FL 34432 | | <table><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A:</td><td>Navigators Insurance Company</td><td>42307</td></tr><tr><td>INSURER B:</td><td>Auto-Owners Insurance Company</td><td>18988</td></tr><tr><td>INSURER C:</td><td>FCCI Insurance Company</td><td>10178</td></tr><tr><td>INSURER D:</td><td></td><td></td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></table> | INSURER(S) AFFORDING COVERAGE | | NAIC # | INSURER A: | Navigators Insurance Company | 42307 | INSURER B: | Auto-Owners Insurance Company | 18988 | INSURER C: | FCCI Insurance Company | 10178 | INSURER D: | | | INSURER E: | | | INSURER F: | | |
| INSURER(S) AFFORDING COVERAGE | | NAIC # | | | | | | | | | | | | | | | | | | | | | |
| INSURER A: | Navigators Insurance Company | 42307 | | | | | | | | | | | | | | | | | | | | | |
| INSURER B: | Auto-Owners Insurance Company | 18988 | | | | | | | | | | | | | | | | | | | | | |
| INSURER C: | FCCI Insurance Company | 10178 | | | | | | | | | | | | | | | | | | | | | |
| INSURER D: | | | | | | | | | | | | | | | | | | | | | | | |
| INSURER E: | | | | | | | | | | | | | | | | | | | | | | | |
| INSURER F: | | | | | | | | | | | | | | | | | | | | | | | |


COVERAGES**CERTIFICATE NUMBER:** 21-22 Master**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|--|--|-----------------|-------------------------|-------------------------|---|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR | | | NY21NP3Z0101WIC | 01/11/2021 | 01/11/2022 | EACH OCCURRENCE \$ 1,000,000 |
| | | | DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 | | | | |
| | | | MED EXP (Any one person) \$ 5,000 | | | | |
| | | | PERSONAL & ADV INJURY \$ 1,000,000 | | | | |
| | GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER: | | | | | | GENERAL AGGREGATE \$ 2,000,000 |
| | | | | | | | PRODUCTS - COMP/OP AGG \$ 2,000,000 |
| | | | | | | | \$ |
| B | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY | | | 5042601500 | 01/11/2021 | 01/11/2022 | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 |
| | | | BODILY INJURY (Per person) \$ | | | | |
| | | | BODILY INJURY (Per accident) \$ | | | | |
| | | | PROPERTY DAMAGE (Per accident) \$ | | | | |
| | | | | | | | \$ |
| A | <input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB | | | NY21NP3Z0101WIC | 01/11/2021 | 01/11/2022 | EACH OCCURRENCE \$ 4,000,000 |
| | <input type="checkbox"/> CLAIMS-MADE | | AGGREGATE \$ 4,000,000 | | | | |
| | DED <input checked="" type="checkbox"/> RETENTION \$ 10,000 | | \$ | | | | |
| C | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N <input checked="" type="checkbox"/> N | N/A | WC010006262600 | 10/18/2021 | 10/18/2022 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER |
| | | | E.L. EACH ACCIDENT \$ 1,000,000 | | | | |
| | | | E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 | | | | |
| | | | E.L. DISEASE - POLICY LIMIT \$ 1,000,000 | | | | |
| A | Pollution Liability | | | NY21NP3Z0101WIC | 01/11/2021 | 01/11/2022 | Each Occurrence 1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

| | |
|--|---|
| Donau Carbon US LLC dba Standard Purification 551 N US Hwy 41 Dunnellon FL 34432 | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE  |
|--|---|

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WATERCARB High Performance Powdered Activated Carbon

Description

Watercarb is a reliable, high quality powdered activated carbon manufactured by steam activation of select raw material.

Applications

Watercarb is especially tailored for taste and odor removal in the treatment of potable water. Watercarb products meet or exceed AWWA B600 specifications, and are certified to ANSI/NSF Standard 61.

Specifications / Properties

| | |
|------------------------|----------------|
| Iodine Number | 500 mg/g min |
| Moisture | 8 % max |
| Bulk Density | 0.4 - 0.6 g/cc |
| Passing 325 Mesh | 90 % min |

Manufacturer

Donau Carbon US is an innovative activated carbon manufacturing company focused on practical, environmentally-superior solutions to customers' needs. We develop and manufacture custom tailored, activated carbon products for removing contaminants from liquids and gases. Donau Carbon US utilizes a reclaimed raw material in many products, and uses only heat and steam for carbon activation.

Delivery

Watercarb is available for delivery in 50 lb. bags, palletized, and in bulk *via* polypropylene bulk sacks, pneumatic tanker trailer and pneumatic rail car.

Safety and Handling

Wet activated carbon removes oxygen from the air. In closed, or partially closed containers and vessels, oxygen depletion may reach dangerously low levels. Workers should follow appropriate procedures when entering confined spaces containing activated carbon.



www.donau-carbon-us.com

Toll Free: 888.616.5959

admin.us@donau-carbon.com

10.24.2019

551 N US Highway 41, Dunnellon, Florida 34432

© 2019 Donau Carbon US



Safety Data Sheet

1. Product and Company Identification

Common Name: Powdered activated carbon, steam activated
Product name: Watercarb (WC), AgCarb (AC), Stratocarb (SC)
Chemical Formula: C (carbon)
Recommended Use: Approved for use in the treatment of drinking water at water treatment facilities. Max. dosage 250 ppm. Not evaluated for point-of-use applications.
Manufacturer/Supplier: Donau Carbon US LLC
551 N US Hwy 41
Dunnellon, FL. 34432
352-465-5959
Emergency Telephone Number: CHEMTREC – 800-424-9300
Revision date: 10/17/2018

2. Hazards Identification

Classification: Non-Hazardous under normal conditions of storage and use in the treatment of potable water at water treatment facilities.

Hazards not otherwise classified: Combustible dust. May form combustible dust concentrations in air. All powdered activated carbons are classified as weakly explosive (Dust explosion class St1): Given the necessary conditions of a strong ignition source, right concentrations of airborne carbon dust, adequate oxygen levels, and confinement, the potential for a deflagration event exists. A combustible dust hazard assessment and employee training should be carried out. See sections 7 and 9 for further information on combustible dust precautions.

Label: None.

Precautionary Statements: Wet activated carbon removes oxygen from air and can lower the concentration of oxygen inside vessels and other confined spaces. Workers should follow procedures for low oxygen.

Workers should also take appropriate precautions when dealing with spent (used) activated carbons which may exhibit hazardous properties associated with the adsorbed materials.

3. Composition/Information on Ingredients

| Chemical Name | CAS Number | Percent of Total Weight |
|------------------|------------|-------------------------|
| Activated Carbon | 7440-44-0 | 100 |

May contain small amounts of a proprietary scale inhibitor.

May contain small amounts of crystalline silica (<1%).

4. First Aid Measures

Inhalation: Remove to fresh air and provide rest. Get medical attention if breathing difficulties develop or persist.

Ingestion: If fully conscious, give one or two cups of water. If large quantities were ingested, consult a physician if gastrointestinal problems develop.

Eye: Flush with excess water preferably with an eyewash. Avoid rubbing the eyes. If irritation persists, consult a physician.

Skin: Wash thoroughly with soap and water.

5. Fire Fighting Measures

Special Fire Fighting Procedures: Use a fine water spray, mist, or fog, dry chemical, or CO₂. Avoid methods that may stir up dust clouds, introduce air to a smoldering pile, or cause the burning particles of carbon to fly over the area, spreading the fire. With adequate venting, slowly soak the carbon thoroughly with water or other suppressant. Use containment berms to slow water flow and allow carbon to settle out behind barrier and separate water.

Protective Equipment for Firefighters: Use self-contained breathing apparatus and full protective gear.

Unusual Fire Hazard: Activated carbon is difficult to ignite. Carbon fires generally burn slowly with a dull glow rather than with flames or smoke, and may be difficult to detect. Smoldering piles, whether confined or not, may be cool on the edges or exterior but hot enough to ignite in the interior when disturbed and the hot spots exposed to air.

Hazardous Decomposition or By-products: During combustion, high levels of carbon monoxide can be produced. Material allowed to smolder for long periods of time in enclosed spaces may produce carbon monoxide which may reach a lower explosive limit for carbon monoxide (12.5% in air).

Combustible dust. May form combustible dust concentrations in air. All powdered activated carbons are classified as weakly explosive (Dust explosion class St1). Given the necessary conditions of a strong ignition source, right concentrations of airborne carbon dust, adequate oxygen levels, and confinement, the potential for a deflagration event exists. Keep storage vessels cool and avoid air flow through hot product and exposure to strong ignition sources where product is confined. If carbon is exposed, mist and saturate with water while avoiding airborne dust. Dilute airborne dust concentrations with water mist or ignition-proof ventilation.

NFPA Rating: Flammability Hazard: 1 Reactivity Hazard: 0 Health Hazard: 1

6. Accidental Release Measures

In all cases, first eliminate or plan to avoid strong ignition sources. (If a fire or explosion is or could be the cause of the release, call 911.) Activated carbon is a weakly explosive combustible dust. In any case, do not use compressed air or any method to disperse the spill which creates additional substantial airborne dust which may direct the dust to ignition sources.

Personal precautions: Personnel should wear NIOSH-approved dust mask, eye protection, and suitable clothing.

Clean-up and containment:

For small spills: Retrieve as much material as possible by pushing gently with soft-bristle brushes and brooms, squeegees or dust mops, or by scooping with buckets or shoveling into containers or back into the original packaging. A final clean-up with a damp cloth or mop should suffice. Do not use compressed air or vigorous sweeping, as this may scatter dust into hidden or difficult-to-clean areas. Inspect hidden areas where dust may have settled.

During a major spill or release, a fine mist spray directed high at/on top of the cloud will lessen airborne dust. Airborne black powder will appear to be more material than it is and the majority of the spill will remain or settle quickly at ground-level and on horizontal surfaces. Once started, powder will flow like water. Barriers and berms can contain or direct the spill. Do not attempt to enter the spill to stop it as engulfment can occur. Once the flow stops, retrieve as much material as possible by pushing gently with soft-bristle brushes and brooms, squeegees or dust mops, or by scooping with buckets or shoveling into containers. Ignition-proof vacuums and vacuum trucks can aid in removing large spills. For final cleanup, wet area with a light water spray and squeegee surfaces.

If material collects on vehicles, remove the excess with soft-bristle brushes, then wash off the carbon with water-carbon powder will scratch the paint if wiped off.

Wetting the material with a light mist and slowly saturating it with water can aid in clean-up. Spill containment berms/straw bales which allow water to pass can effectively filter out the insoluble carbon and slow the water flow to allow the carbon to settle where excess water is used. If material enters or is washed down drains, continue to flush with water until clear. Carbon is insoluble and will settle out when the flow stops, potentially clogging pipes or drains, and can be difficult to re-suspend.

Waste Disposal Method: Dispose unused carbon as non-hazardous waste in refuse containers in accordance with local, state, and federal regulations.

7. Handling and Storage

Storage: Store packaged material as received in a dry, well-ventilated facility at ambient temperatures until ready to use. Store away from strong oxidizers, strong acids, ignition sources, combustible materials, and heat. An adequate air gap between packages is recommended to reduce propagation in the case of fire.

Bulk dry storage silos and containers should be designed to avoid strong ignition sources and uncontrolled ingress of air which could cause low velocity air flows in the carbon bed. Air flow can lead to localized heating due to the exothermic reaction of carbon with oxygen. It is recommended that bulk storage silos and dust collectors have relief venting or explosion doors in case of a fire event which could create the conditions necessary for deflagration. Refer to NFPA Standard 68 for guidance.

Handling: A hazard assessment should be carried out. As with all finely divided materials, ground all transfer, blending, and dust collecting equipment to prevent static discharge. Remove all strong ignition sources from material handling, transfer, and processing areas where dust may be present or accumulate. Practice good housekeeping. Excessive accumulations of dust or dusty conditions can create the potential of secondary explosions. Inspection of hidden surfaces for dust accumulation should be made routinely. If possible, eliminate the pathways for dust to accumulate in hidden areas. Fine carbon dust may penetrate electrical equipment and cause electrical shorts. Where dusting is unavoidable, dust-proof boxes and regular electrical line maintenance are recommended. Refer to NFPA standards 654 for guidance.

Caution employees-no smoking in carbon storage and handling areas. Carbon is difficult to ignite, however, cutting and welding operations should be carried out using hot work permit systems where precautions are taken not to ignite carbon, which may smolder undetected.

8. Exposure Controls/Personal Protection

Carbon dust is considered a nuisance dust.

OSHA Permissible Exposure Limits-Time Weighted Average

15 mg/m³, Total dust

5 mg/m³, Respirable

ACGIH Threshold Limit: 10 mg/ m³, Treated as nuisance dust

Silica, crystalline (Quartz) CAS RN 14808-60-7 may be present in small quantities:

OSHA Permissible Exposure Limits-Time Weighted Average

30 mg/m³ /(%SiO₂ +2) Total

10 mg/m³ /(%SiO₂ +2) Respirable

ACGIH Threshold Limit: 0.025mg/ m³

Engineering Controls: Ventilation should prevent airborne accumulation of dust and comply with maximum exposure limits. Equipment, if present, should be grounded.

Respirator Protection: NIOSH-approved dust mask recommended if excess carbon dust is generated.

Eye Protection: Safety goggles with side shield recommended. Provide eyewash stations nearby.

Skin: Wear suitable gloves, long sleeves, and pants. Wash thoroughly with soap and water after handling. Change into clean apparel before leaving the workplace. Wash apparel daily.

RCRA Status: If discarded in its purchased form, this product is not a hazardous waste, either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.10).

9. Physical and Chemical Properties

Appearance – Black powder solid, fine dust, 90% or more passing 325 mesh, free-flowing.

Upper/lower explosive limits No information available

Odor – Odorless, or slight sulfur smell.

Combustible dust- Watercarb is a combustible dust. May form combustible dust concentrations in air. All powdered activated carbons are weakly explosive. No specific information on Watercarb is available.

Typical combustible dust data for a variety of activated carbons:

K_{st} values reported between 43-113 (various sources).

Dust explosion class St1 (K_{st} values < 200 are Class St1-weakly explosive).

MEC (minimum explosible concentration) in air 50 and 60 g/m³ (two reports)

Volatile content (by weight): < 8% ASTM D3175-11 (Watercarb)

MIT (minimum ignition temperature) values reported between 400-680°C (752-1256°F) (four reports)

Maximum Absolute Explosion pressure values reported between 6.0-8.6 bar (four reports)

Vapor pressure Not applicable

Odor threshold Not applicable

Vapor density Not applicable

pH pH of Watercarb in solution varies between 7-10.

Relative density Not applicable

Apparent Density – 0.4 to 0.6 g/cc, typically 0.45 g/cc

Melting point/freezing point Not applicable

Solubility – insoluble in water. Scale inhibitor, if present, is soluble.

Initial boiling point and boiling range Not applicable

Flash point Not applicable

Evaporation rate Not applicable

Flammability Non-flammable

Partition coefficient: Not applicable

Auto-ignition temperature No information available

Decomposition temperature No information available

Viscosity Not applicable

10. Stability and Reactivity

Stability: Stable. Not self-heating.

Reactivity: May react exothermically with a potential for fire upon contact with strong oxidizers, including low-velocity air flows through carbon beds.

Incompatibility and Conditions to Avoid: Strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. Do not store near combustible materials.

Hazardous Decomposition or By-product: Carbon monoxide may be generated in the event of fire.

Hazardous polymerization will not occur.

11. Toxicological Information

Information given is based on data obtained for this substance or from similar substances (activated carbons).

Likely routes of exposure: inhalation, ingestion. Skin absorption highly unlikely, no health effects known.

Effects: See Section 4-First Aid measures. No known long-term effects. Scale inhibitor, if present, is very mildly toxic if ingested.

Toxicological Data

Carbon, activated

LC50/inhalation/1 hr/rat = > 8.5 mg/L

LC50/oral/rat = > 2000 mg/kg

Carcinogenicity: Activated carbon is not listed as a potential carcinogen by National Toxicology Program, the International Agency for Research on Cancer, OSHA, or ACGIH. May contain trace concentrations of bound silica. Respirable crystalline silica is listed as a potential carcinogen of the lungs by the IARC and NTP. Much of the silica is inextricably bound within the particles of the activated carbon, and so does not present a substantial health hazard. Substantial protection is provided by adherence to the dust control measures recommended.

12. Ecological Information

Information given is based on data obtained for this substance or from similar substances (activated carbons).

Aquatic Toxicity: Non-toxic. No adverse ecological effects are known.

Terrestrial toxicity: Non-toxic in the soil.

13. Disposal Considerations

RCRA- Unused product is not hazardous waste under U.S. R.C.R.A.
Spent (used) product may be hazardous based on the substance adsorbed.
See also Section 8.

14. Transport Information

Shipping Name: Powdered Activated Carbon
LTL Freight Class: 70
NMFC Number: 40560
Hazard Class: None – Product is not spontaneously combustible or self-heating.

15. Regulatory Information

Certified under NSF/ANSI Standard 61 for use in the treatment of potable water. Maximum dosage 250 ppm. Not evaluated for point-of-use applications.

16. Other Information

Revised 5.27.15

NFPA 654 Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids

NFPA 68 Guidelines for Deflagration Venting

The information herein was compiled and is presented in good faith but no warranty, expressed or implied, is made.