



3774, Hoover Road, Blasdell, NY 14219. Tel: (716) 821 7830. Fax (716) 821 0790.
www.activatedcarbon.com

City of Ann Arbor

May 8, 2015

Guy C Larcom Municipal Building

Ann Arbor, MI 48107

Ref;- Bid ITB 4384

Dear Sir

Thank you for the invitation to bid for the carbon replacement of the odor control systems at the City's WWTP.

Carbon activated is a major supplier to the municipal water treatment market of both potable and odor control activated carbons. The company employs its own service teams to provide on- site carbon exchange services and operates its own carbon reactivation plants for the disposal / recycling of spent carbons.

Some of major projects in the Odor Control market are –

\$2M contract with New York City

\$750000 contract with MWRA for the City Of Boston

\$50000 contract with Fairfax County in Virginia.

We have selected our pellet grade COC PA 60 HS3 product for this application as a superior alternative to the products given in the bid document, which has a very high hydrogen sulfide capacity and still maintains high adsorbent capacities for other odorous compounds present in sewer gases, (amines, voc's etc) We enclose a certified analysis of a batch of this material confirming the H₂S capacity as 0.3 gms/cc. –Batch HC /LA/ 14/36

We enclose our completed bid document, bid bond and company summary for your review and please contact us for any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher Allen".

Christopher Allen

INVITATION TO BID

City of Ann Arbor
Guy C. Larcom Municipal Building
Ann Arbor, Michigan 48107

Ladies and Gentlemen:

The undersigned, as Bidder, declares that this Bid is made in good faith, without fraud or collusion with any person or persons bidding on the same Contract; that this Bidder has carefully read and examined the bid documents, including Advertisement, Human Rights Division Contract Compliance Forms, Notice of Pre-Bid Conference, Instructions to Bidders, Bid, Bid Forms, Contract, Bond Forms, General Conditions, Standard Specifications, Detailed Specifications, all Addenda, and the Plans and understands them. The Bidder declares that it conducted a full investigation at the site and of the work proposed and is fully informed as to the nature of the work and the conditions relating to the work's performance. The Bidder also declares that it has extensive experience in successfully completing projects similar to this one.

The Bidder acknowledges that it has not received or relied upon any representations or warrants of any nature whatsoever from the City of Ann Arbor, its agents or employees, and that this Bid is based solely upon the Bidder's own independent business judgment.

The undersigned proposes to perform all work shown on the plans or described in the bid documents, including any addenda issued, and to furnish all necessary machinery, tools, apparatus, and other means of construction to do all the work, furnish all the materials, and complete the work in strict accordance with all terms of the Contract of which this Bid is one part.

In accordance with these bid documents, and Addenda numbered _____, the undersigned, as Bidder, proposes to perform at the sites in and/or around Ann Arbor, Michigan, all the work included herein for the amounts set forth in the Bid Forms.

The Bidder declares that it has become fully familiar with the liquidated damage clauses for compliance with City Code Chapter 112, understands and agrees that the liquidated damages are for the non-quantifiable aspects of non-compliance and do not cover actual damages that may be shown and agrees that if awarded the Contract, all liquidated damage clauses form part of the Contract.

The Bidder declares that it has become fully familiar with the provisions of Chapter 14, Section 1:319 (Prevailing wages) and Chapter 23 (Living Wage) of the Code of the City of Ann Arbor and that it understands and agrees to comply, to the extent applicable to employees providing services to the City under this Contract, with the wage and reporting requirements stated in the City Code provisions cited. Bidder further agrees that the cited provisions of Chapter 14 and Chapter 23 form a part of this Contract.

The Bidder encloses a certified check or Bid Bond in the amount of 5% of the total of the Bid Price. The Bidder agrees both to contract for the work and to furnish the necessary Bonds and insurance documentation within 10 days after being notified of the acceptance of the Bid.

If this Bid is accepted by the City and the Bidder fails to contract and furnish the required insurance documentation within 10 days after being notified of the acceptance of this Bid, then the Bidder shall be considered to have abandoned the Contract and the certified check or Bid Bond accompanying this Bid shall become due and payable to the City.

If the Bidder enters into the Contract in accordance with this Bid, or if this Bid is rejected, then the accompanying check or Bid Bond shall be returned to the Bidder.

In submitting this Bid, it is understood that the right is reserved by the City to accept any Bid, to reject any or all Bids, to waive irregularities and/or informalities in any Bid, and to make the award in any manner the City believes to be in its best interest.

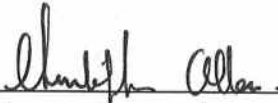
SIGNED THIS 7 DAY OF April, 2015.

Carson Activities Corporation

Bidder's Name

3774 Hoover Road Boscawen N.Y. 14219

Official Address


Authorized Signature of Bidder

716 821 7830

Telephone Number

CHRISTOPHER ALLEN
(Print Name of Signer Above)

BID FORM

Section 1 - Schedule of Prices

Company: CARBON ACTIVATED CORPORATION

Project: ITB- 4384 CARBON REPLACEMENT

File: ITB- 4384

Base Bid

For the entire work outlined in these documents, complete as specified, using equipment and materials only of the type and manufacturers where specifically named.

EIGHTY ONE THOUSAND, NINE HUNDRED Dollars (\$81,900.00)

LEGAL STATUS OF BIDDER

(The Bidder shall fill out the applicable section and strike out the other two.)

Bidder declares that it is:

- A corporation organized and doing business under the laws of the State of CALIFORNIA for whom CHRISTOPHER ALLEN, bearing the office title of DIRECTOR, whose signature is affixed to this Bid, is authorized to execute contracts.

NOTE: If not incorporated in Michigan, please attach the corporation's Certificate of Authority

- A limited liability company doing business under the laws of the State of _____, whom _____ bearing the title of _____, whose signature is affixed to this proposal, is authorized to execute contract on behalf of the LLC.
- A partnership, organized under the laws of the state of _____ and filed in the county of _____, whose members are (list all members and the street and mailing address of each) (attach separate sheet if necessary):

- An individual, whose signature with address, is affixed to this Bid: _____ (initial here)

Authorized Official

_____ Date _____, 2015

(Print) Name _____ Title _____

Company: _____

Address: _____

Contact Phone () _____ Fax () _____

Email: _____

BID FORM

Section 2 - Material and Equipment Alternates

The Base Bid price shall include materials and equipment selected from the designated items and manufacturers listed in the bidding documents. This is done to establish uniformity in bidding and to establish standards of quality for the items named.

If the Contractor wishes to quote alternate items for consideration by the City, it may do so under this Section. A complete description of the item and the proposed price differential must be provided. Unless approved at the time of award, substitutions where items are specifically named will be considered only as a negotiated change in Contract Sum.

<u>Item Number</u> <u>Amount</u>	<u>Description</u>	<u>Add/Deduct</u>
ACTIVATED CARBON	0.3 gms / cc H ₂ S CAPACITY PELLET CARBON (REF COC PAGO HSS)	N/A

If the Bidder does not suggest any material or equipment alternate, the Bidder **MUST** complete the following statement:

For the work outlined in this request for bid, the bidder does NOT propose any material or equipment alternate under the contract.

Signature of Authorized Representative of Bidder

BID FORM


Section 3 - Time Alternate

If the Bidder takes exception to the time stipulated in Article III of the Contract, Time of Completion, page C-1, it is requested to stipulate below its proposed time for performance of the work. Consideration will be given to time in evaluating bids.

If the Bidder does not suggest any time alternate, the Bidder **MUST** complete the following statement:

For the work outlined in this request for bid, the bidder does NOT propose any time alternate under the contract.

Signature of Authorized Representative of Bidder



BID FORM

Section 4 - Subcontractors

For purposes of this contract, a Subcontractor is anyone (other than the Contractor) who performs work (other than or in addition to the furnishing of materials, plans or equipment) at or about the construction site, directly or indirectly for or on behalf of the Contractor (and whether or not in privity of contract with the Contractor), but shall not include any individual who furnishes merely the individual's own personal labor or services.

For the work outlined in these documents the Bidder expects to engage the following major subcontractors to perform the work identified.

<u>Subcontractor (Name and Address)</u>	<u>Work</u>	<u>Amount</u>
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If the Bidder does not expect to engage any major subcontractor, the Bidder **MUST** complete the following statement:

For the work outlined in this request for bid, the bidder does NOT expect to engage any major subcontractor to perform work under the contract.

Signature of Authorized Representative of Bidder

Christophe Allan

**CITY OF ANN ARBOR
DECLARATION OF COMPLIANCE**

Non-Discrimination Ordinance

The "non discrimination by city contractors" provision of the City of Ann Arbor Non-Discrimination Ordinance (Ann Arbor City Code Chapter 112, Section 9:158) requires all contractors proposing to do business with the City to treat employees in a manner which provides equal employment opportunity and does not discriminate against any of their employees, any City employee working with them, or any applicant for employment on the basis of actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight. It also requires that the contractors include a similar provision in all subcontracts that they execute for City work or programs.

In addition the City Non-Discrimination Ordinance requires that all contractors proposing to do business with the City of Ann Arbor must satisfy the contract compliance administrative policy adopted by the City Administrator. A copy of that policy may be obtained from the Purchasing Manager

The Contractor agrees:

- (a) To comply with the terms of the City of Ann Arbor's Non-Discrimination Ordinance and contract compliance administrative policy, including but not limited to an acceptable affirmative action program if applicable.
- (b) To post the City of Ann Arbor's Non-Discrimination Ordinance Notice in every work place or other location in which employees or other persons are contracted to provide services under a contract with the City.
- (c) To provide documentation within the specified time frame in connection with any workforce verification, compliance review or complaint investigation.
- (d) To permit access to employees and work sites to City representatives for the purposes of monitoring compliance, or investigating complaints of non-compliance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services in accordance with the terms of the Ann Arbor Non-Discrimination Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Non-Discrimination Ordinance, obligates the Contractor to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract.

CANNON ACTIVATIONS CORPORATION
Company Name

Shirley Allen 05/12/15
Signature of Authorized Representative Date

CHRISTOPHER ALLEN
Print Name and Title

3774 Hoover Road Bensenville NY 14219
Address, City, State, Zip

716 821 7830
Phone/Email address

Questions about the Notice or the City Administrative Policy, Please contact:
Procurement Office of the City of Ann Arbor
(734) 794-6500



Vendor Conflict of Interest Disclosure Form

All vendors interested in conducting business with the City of Ann Arbor must complete and return the Vendor Conflict of Interest Disclosure Form in order to be eligible to be awarded a contract. Please note that all vendors are subject to comply with the City of Ann Arbor's conflict interest policies as stated within the certification section below.

If a vendor has a relationship with a City of Ann Arbor official or employee, an immediate family member of a City of Ann Arbor official or employee, the vendor shall disclose the information required below.

Certification: I hereby certify that to my knowledge, there is no conflict of interest involving the vendor named below:

- 1. No City official or employee or City employee's immediate family member has an ownership interest in vendor's company or is deriving personal financial gain from this contract.
2. No retired or separated City official or employee who has been retired or separated from the City for less than one (1) year has an ownership interest in vendor's Company.
3. No City employee is contemporaneously employed or prospectively to be employed with the vendor.
4. Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any City employee or elected official to obtain or maintain a contract.
5. Please note any exceptions below:

Table with Vendor Name (CARBON ACTIVITIES CORPORATION) and Vendor Phone Number (716 821 7830). Conflict of Interest Disclosure section with checkboxes for relationship to employee, interest in vendor's company, and other, with 'NONE' handwritten in the final row.

*Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest and they are detected by the City, vendor will be exempt from doing business with the City.

I certify that the information provided is true and correct by my signature below:

Signature of Vendor Authorized Representative (handwritten signature)

Date (5/8/15)

Printed Name of Vendor Authorized Representative (CHRISTOPHER ALLEN)

PROCUREMENT USE ONLY

- Yes, named employee was involved in Bid / Proposal process.
No, named employee was not involved in procurement process or decision.

**CITY OF ANN ARBOR
LIVING WAGE ORDINANCE DECLARATION OF COMPLIANCE**

The Ann Arbor Living Wage Ordinance (Section 1:811-1:821 of Chapter 23 of Title I of the Code) requires that employers providing services to or for the City for a value greater than \$10,000 for any twelve-month contract term, as well as certain recipients of financial assistance, shall pay employees a prescribed minimum level of compensation (i.e., Living Wage) for the time those employees perform work on a City of Ann Arbor contract or in connection with a federal, state or local grant program administered or financial assistance awarded by the City. The Living Wage must be paid to these employees for the length of the contract/program.

Companies employing fewer than 5 persons and non-profits employing fewer than 10 persons are exempt from compliance with the Living Wage Ordinance. If this exemption applies to your company/non-profit agency please check here [] No. of employees ____

The Contractor or Grantee agrees:

- (a) To pay each of its employees whose wage level is not required to comply with federal, state or local prevailing wage law, for work covered or funded by a contract with or grant from the City, no less than the Living Wage. The current Living Wage is defined as \$12.81/hour for those employers that provide employee health care (as defined in the Ordinance at Section 1:815 Sec. 1 (a)), or no less than \$14.30/hour for those employers that do not provide health care. The Contractor or Grantor understands that the Living Wage is adjusted and established annually on April 30 in accordance with the Ordinance and covered employers shall be required to pay the adjusted amount thereafter to be in compliance (Section 1:815(3)).

Check the applicable box below which applies to your workforce

- [] Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage without health benefits
- [] Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage with health benefits

- (b) To post a notice approved by the City regarding the applicability of the Living Wage Ordinance in every work place or other location in which employees or other persons contracting for employment are working.
- (c) To provide to the City payroll records or other documentation within ten (10) business days from the receipt of a request by the City.
- (d) To permit access to work sites to City representatives for the purposes of monitoring compliance, and investigating complaints or non-compliance.
- (e) To take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee covered by the Living Wage Ordinance or any person contracted for employment and covered by the Living Wage Ordinance in order to pay the living wage required by the Living Wage Ordinance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services or agrees to accept financial assistance in accordance with the terms of the Living Wage Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Living Wage Ordinance, obligates the Contractor/Grantee to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract or grant of financial assistance.

CHANDLER ACTIVATION CORPORATION
Company Name

Christopher Allen 5/8/15
Signature of Authorized Representative Date

CHRISTOPHER ALLEN - DIRECTOR
Print Name and Title

5776 HOWEN ROAD BLASDEL NY 14219
Address, City, State, Zip

716 821 7830
Phone/Email address

Questions about this form? Contact Procurement Office City of Ann Arbor Phone: 734/794-6500

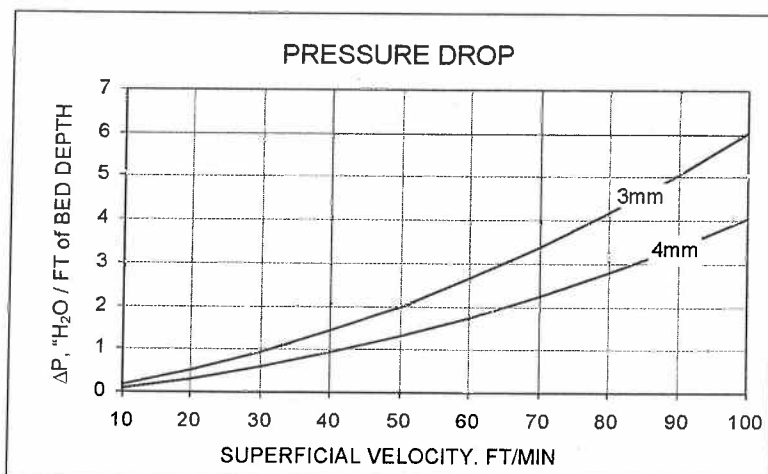
CARBON ACTIVATED CORP.

Activated Carbon and Related Services

PRODUCT BULLETIN COC-PA 60-HS3

Vapor Phase, Coconut Base Pelletized Carbon

COC-PA 60-HS3 is a highly active, Pelletized Carbon manufactured from selected grades of Coconut Shell. *COC-PA 60-HS3*, through its unique production process has an extremely high adsorption capacity for hydrogen sulfide and is used in variety of odor control applications within the paper, food, process and waste water treatment industries. The product also has high hardness and low pressure drop characteristics and may be regenerated with water on site.



TYPICAL PHYSICAL PROPERTIES / SPECIFICATIONS

Pressure Drop @ velocity 60 ft/min-ins wg/ft	1.5
Ignition Temperature degree C min	330
Hydrogen sulfide capacity min-gm/cc	0.3
Apparent Density (ASTM D-2854), g/cc	0.4-0.45
Iodine, Min	1200
Hardness, Min. (ASTM D-3802)	97
Particle Size	4mm
Butane. (ASTM D-5742)	31.5

STANDARD PACKAGING:

55lb POLYLINE D POLYPROPYLENE BAGS. and 1100lb SUPERSACKS.

This information is offered solely for your consideration and verification. It has been gathered from reference materials and/or test procedures and is believed to be true and accurate. None of this information shall constitute a warranty or representation, expressed or implied for which we assume legal responsibility or that the information or goods is fit for any particular use either alone or in combination with other goods or processes.

Carbon Activated Corporation

Background & Relevant Experience

Carbon Activated Corporation was established in 1993 as a distributor of bulk carbon to OEM's, and other carbon companies. The company expanded operations and added a spent carbon reactivation furnace. As soon as the company had the capability of supplying fresh carbon and processing spent carbon, customers begin going directly to Carbon Activated Corporation for turnkey filter media replacement service. Sales and rental of carbon adsorption vessels soon followed. Presently, two service centers are in operation, one in Compton, California and the second in Buffalo, New York, allowing Carbon Activated Corp to serve *our customers* in both the USA and Canada.

The company provides a comprehensive range of activated carbons for the potable and wastewater industries, which include coal and coconut, based products available in a range of specifications and exacting particle sizes. Potable grades are NSF certified.

Carbon Activated Corp. manages several of the largest carbon service contracts in California, and throughout the United States, providing liquid and vapor phase granular activated carbon, powder carbons and filtration media to the municipal drinking water market and waste water treatment.

Carbon Activated Corporation Services

- Furnaces to process and reactivate/recycle spent carbon
- Fleet of carbon service vehicles & advanced material handling
Equipment for municipal carbon supply and change outs
- Fully certified & licensed full-time regular employees service technicians
- Carbon characterization & testing laboratory for quality control
- Large-scale project management for carbon change outs
- Performance guarantees

Carbon Activated Corporation

Service Technicians

Carbon Activated Corporation service technicians are thoroughly trained in carbon related environmental health & safety practices and work policies. Additional training includes Occupational Health & Safety Association (OSHA), and internally developed safety training. Service technicians undergo annual 8-hr OSHA refresher training.

Only full-time regular Carbon Activated Corporation technicians are employed on our projects. Full-time regular technicians become familiar with your unique site conditions, and bring years of carbon service experience to your site, allowing the work to be conducted safely and quickly.

A Carbon Activated Corporation Senior Lead Technician is assigned to every service job performed. The Senior Lead Technician supervises the service job and interfaces with customers to ensure customer satisfaction. Carbon Activated Corporation Service Technicians are continually trained and re-certified annually.

- 40-hr OSHA Training with 8-hr annual refresher
- Certified Fork Lift Operator
- Confined Space Entry Permits
- Lock-Out/Tag-Out
- First Aid/CPR

Carbon Activated Corporation has a 3,650-day running safety record with no lost time due to accidents, making our company the safest in the carbon service industry.

Carbon Activated Corporation



Carbon Activated bulk pneumatic slurry trailers capable of performing 20,000-lb drinking water turnkey spent carbon change out service.

Carbon Activated Corporation



Carbon Activated Corp. owns & operates a fleet of bulk pneumatic slurry trailers for large-scale potable-water turnkey spent carbon change out service. Trailers are equipped with air compressors.

Carbon Activated Corporation



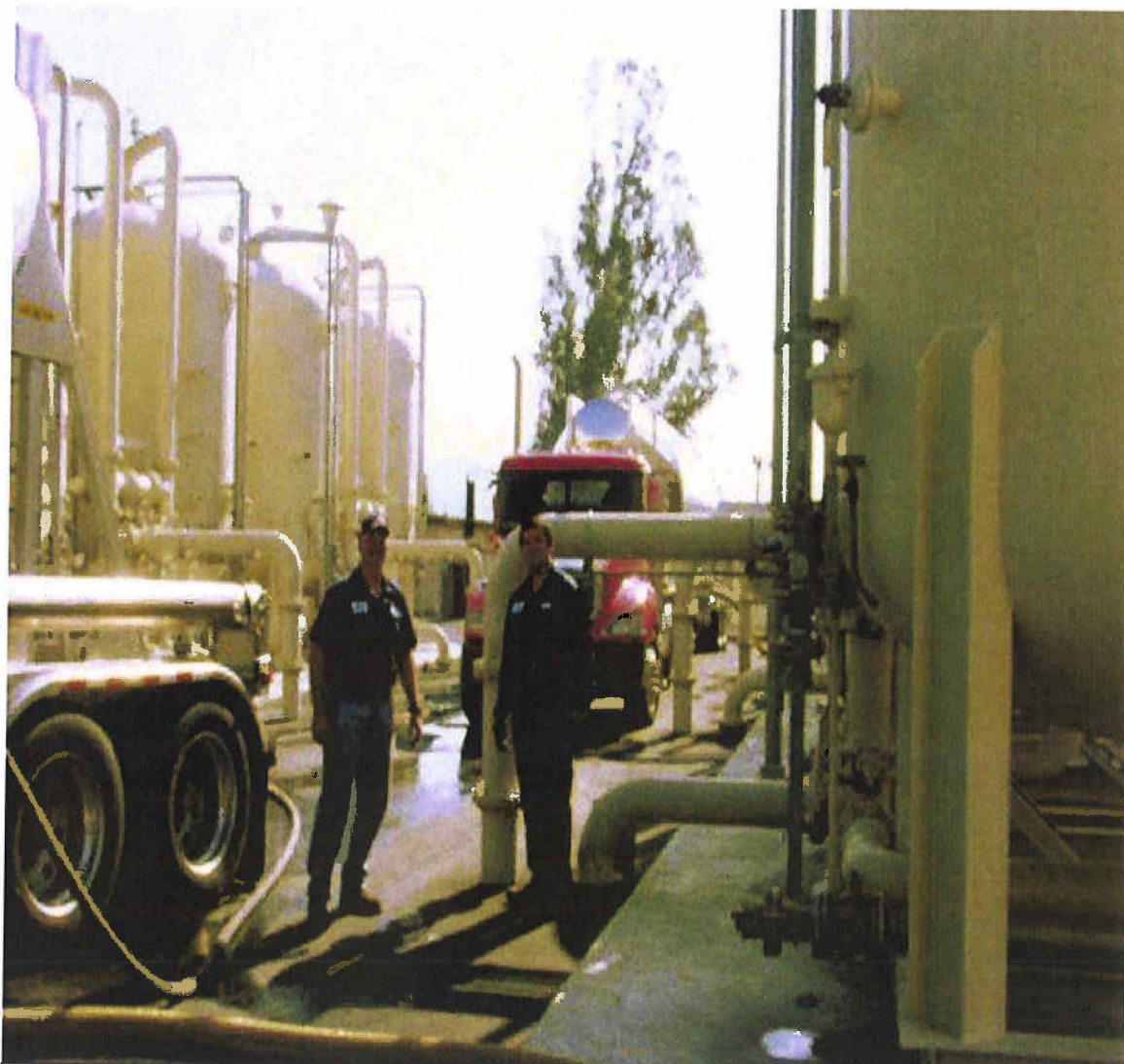
Carbon Activated Corporation deploys (2) drinking water slurry trailers for carbon change out service. Simultaneous slurry trailer service reduces downtime, allowing system to go back on-line quicker.

Carbon Activated Corporation



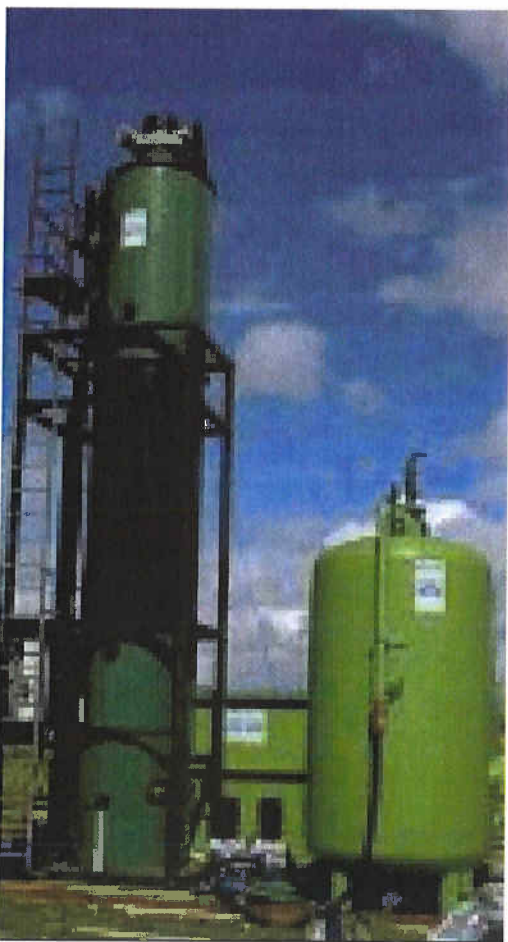
Carbon Activated Corporation replacing over 600,000-lbs of carbon filter media for a drinking water treatment plant in Northern California. Open-bay drinking water system.

Carbon Activated Corporation



Carbon Activated Corporation changing out (16) drinking water filters, each filled with 20,000-lbs of liquid phase coconut shell based NSF-61 certified granular activated carbon.

Carbon Activated Corporation



Carbon Activated Corporation provides media change out service for Air-Stripper/GAC Systems. Reduced downtime achieved using high-powered vacuum systems.

Carbon Activated Corporation

Quality Control on Activated Carbon

Quality Assurance Benefits

The Carbon Activated Corporation quality assurance program allows carbon supplied to customers to be traced back to the original Quality Control tests, which ensures confidence in the carbon specifications.

Continued Quality Advancement

Carbon Activated Corporation is an ISO –9000 certified company.

Carbon Activated Corporation

Project Management

Carbon Activated Corporation manages several of America's largest carbon service contracts. Carbon Activated Corporation is the leader in municipal large-scale carbon service projects. Logistics, transportation, material handling, and spent carbon reactivation are controlled to deliver the right product and perform the best service on time, every time.

Each carbon service project is performed by a team of experienced personnel and supervised by Carbon Activated Corporation Senior Lead Service Technician for the entire job. The job results are:

- Rapid on-site spent carbon change outs
- Job performed exactly per customer requirements

Advanced vacuum transfer equipment and experienced technicians ensure customer satisfaction for all projects.

The following assets are available for onsite projects;

Fleet of pneumatic trucks
Fleet of Titan vacuum trailers
Series of water eductors and booster pumps
Reactivation plants in Compton and Buffalo New York
Fully trained service technicians
In house laboratory for quality compliance
Project management
Computer communication and project management systems-
Email Xcel - Project planner

Large Scale Project Experience

City of New York, \$2.0 Million contract for the supply of specialized carbon for the City's waste water treatment plants for odor control.

City Of Niagara Falls, \$1.1M annual contract to supply and reactivate coal based carbon from the waste water treatment plant where it is used to remove a wide range of organics and color. Contract held for last 3 years.

City of Antioch Water Plant contract for over 800,000-lbs of drinking water filter mixed media change out service including granular activated carbon.

Carbon Activated Corporation

City of San Bernardino drinking water carbon service contract for 800,000-lbs turnkey spent carbon change out service annually over the next 3-years. Change out service on (14) liquid phase GAC units.

City Of Wilmington, MA, replacement of 120000lbs of potable water carbon from 2 service filters. Carbon used to remove taste, odor and chloro-organics. Spent carbon returned for reactivation by Carbon Activated Corporation.

City of Elgin IL – installed GAC to remove taste, odor and TOC over last 6 years. Carbon returned for reactivation by Carbon Activated Corporation

Los Angeles Department of Water and Power – drinking water carbon change out service for liquid phase carbon contactors, and vapor phase carbon units connected to Air-Stripper System. Multiple 20,000-lb liquid phase carbon units.

County of Los Angeles Bureau of Engineering with over 300-Acres and treating 350MGPD. Carbon Activated Corporation reactivates & returns 1.5-million pounds annually for Los Angeles County.

Performance Guarantee

Carbon Activated Corporation has experience in providing performance guarantees to municipalities and private industry companies for filter media products and services. Carbon Activated Corporation will provide filter media per *customer specification*, certify compliance with NSF, through its own quality testing procedures and provide performance assurances.

Summary & Conclusion

Carbon Activated Corporation has the resources and experience to provide *Municipal Water Authorities* with turnkey filtration media change out service which includes the supply of proven quality products and where required reactivation or disposal of spent media.

Carbon Activated Corporation



Certificate of Analysis

Report Date: 11/11/14 10:28
Received Date: 10/15/14 09:10

Attn: Carbon Activated Corp
3774 Hoover Rd
Blasdell NY 14219

Turnaround Time: Normal

Phone: 281-292-8678

From :A.S.Pathirathne

Fax: (281) 292-3423

Project: H2S Breakthrough Capacity

P.O.#:

Dear Disala Sondapperuma :

Enclosed are the results of analyses for samples received 10/15/2014 with the Chain of Custody document. The samples were received in good condition, at 21.6 °C. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Work Order No: 4J16009-03
Sampled by: K U S Warnajith

Sample ID: HC/LA/14/36 (Lot 1)
Sampled: 10/13/14 00:00

Matrix: Carbon
Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
% Moisture @ ASTM D2867.....	10		g/cc	0.01	1	ASTM D6646-03	10/19/14 09:27	10/19/14 12:11	aas	W4J1174
H2S Breakthrough Capacity.....	0.3		g/cc	0.001	1	ASTM D6646-03	10/19/14 09:27	10/20/14 12:11	aas	W4J1174

Case Narrative:

Authorized Signature

Contact: Brandon Gee
(Project Manager)



ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL)
NR = Not Reportable
Sub = Subcontracted analysis, original report enclosed.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services .
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories , sampled in accordance to lab SOP MIS002

terms thereof.

The City will not be bound by oral responses to inquiries or written responses other than written addenda.

Bid Submission

All Bids are due and must be delivered to the City of Ann Arbor Procurement Unit on or Monday, May 4, 2015 by 2:00PM. Bids submitted late or via oral, telephonic, telegraphic, electronic mail or facsimile **will not** be considered or accepted.

Each Bidder must submit one (1) original Bid and one (1) Bid copy in a sealed envelope clearly marked: **ITB 4384- Carbon Replacement in Odor Control Units at the WWTP.**

Bids must be addressed and delivered to:

City of Ann Arbor
1st Floor Customer Service Department,
301 East Huron Street
P.O. Box 8647
Ann Arbor, MI 48107

All Bids received on or before the Due Date will be publicly opened and recorded immediately. No immediate decisions are rendered. Hand delivered bids will be date/time stamped/signed at the address above in order to be considered. Normal business hours are 8:00 a.m. to 4:00 p.m. Monday through Friday. The City will not be liable to any Bidder for any unforeseen circumstances, delivery or postal delays. Postmarking to the Due Date will not substitute for receipt of the Bid. Each Bidder is responsible for submission of their Bid.

Additional time will not be granted to a single Bidder; however, additional time may be granted to all Bidders when the City determines that circumstances warrant it.

Award

The City intends to award a Contract(s) to the lowest responsible Bidder(s). On multi-divisional contracts, separate divisions may be awarded to separate Bidders. The City may also utilize alternatives offered in the Bid Forms, if any, to determine the lowest responsible Bidder on each division, and award multiple divisions to a single Bidder, so that the lowest total cost is achieved for the City. For unit price bids, the contract will be awarded based upon the unit prices and the lump sum prices stated by the bidder for the work items specified in the bid documents, with consideration given to any alternates selected by the City. If the City determines that the unit price for any item is materially different for the work item bid than either other bidders or the general market, the City, in its sole discretion, in addition to any other right it may have, may reject the bid as not responsible or non-conforming.

The acceptability of major subcontractors will be considered in determining if a Bidder is responsible. In comparing Bids, the City will give consideration to alternate Bids for items listed in the bid forms.

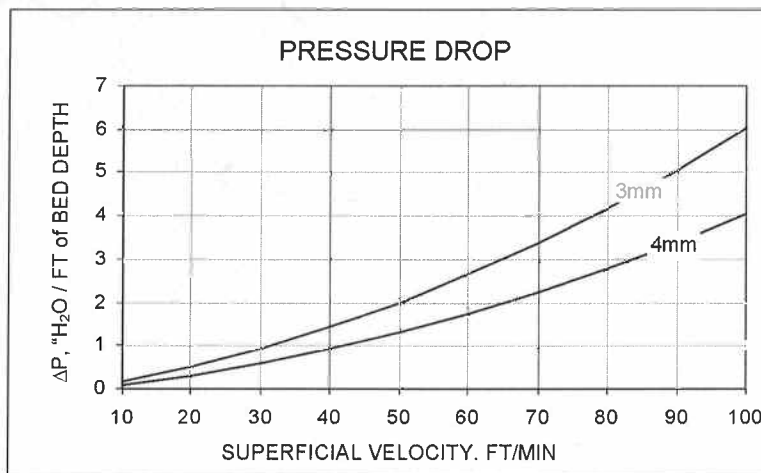
CARBON ACTIVATED CORP.

Activated Carbon and Related Services

PRODUCT BULLETIN COC-PA 60-HS3

Vapor Phase, Coconut Base Pelletized Carbon

COC-PA 60-HS3 is a highly active, Pelletized Carbon manufactured from selected grades of Coconut Shell. *COC-PA 60-HS3*, through its unique production process has an extremely high adsorption capacity for hydrogen sulfide and is used in variety of odor control applications within the paper, food, process and waste water treatment industries. The product also has high hardness and low pressure drop characteristics and may be regenerated with water on site.



TYPICAL PHYSICAL PROPERTIES / SPECIFICATIONS

Pressure Drop @ velocity 60 ft/min-ins wg/ft	1.5
Ignition Temperature degree C min	330
Hydrogen sulfide capacity min-gm/cc	0.3
Apparent Density (ASTM D-2854), g/cc	0.4-0.45
Iodine, Min	1200
Hardness, Min. (ASTM D-3802)	97
Particle Size	4mm
Butane. (ASTM D-5742)	31.5

STANDARD PACKAGING:

55lb POLYLINE D POLYPROPYLENE BAGS. and 1100lb SUPERSACKS.

This information is offered solely for your consideration and verification. It has been gathered from reference materials and/or test procedures and is believed to be true and accurate. None of this information shall constitute a warranty or representation, expressed or implied for which we assume legal responsibility or that the information or goods is fit for any particular use either alone or in combination with other goods or processes.



Certificate of Analysis

Report Date: 11/11/14 10:28
Received Date: 10/15/14 09:10

Attn: Carbon Activated Corp
3774 Hoover Rd
Blasdell NY 14219

Turnaround Time: Normal

Phone: 281-292-8678

From :A.S.Pathirathne

Fax: (281) 292-3423

Project: H2S Breakthrough Capacity

P.O.#:

Dear Disala Sondapperuma :

Enclosed are the results of analyses for samples received 10/15/2014 with the Chain of Custody document. The samples were received in good condition, at 21.6 °C. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Work Order No: 4J16009-03
Sampled by: K U S Warnajith

Sample ID: HC/LA/14/36 (Lot 1)
Sampled: 10/13/14 00:00

Matrix: Carbon
Sample Note:

Analyte	Result	Qualifier	Units	RL	Dil	Method	Prepared	Analyzed	Analyst	Batch
% Moisture @ ASTM D2867.....	10		g/cc	0.01	1	ASTM D6646-03	10/19/14 09:27	10/19/14 12:11	aas	W4J1174
H2S Breakthrough Capacity.....	0.3		g/cc	0.001	1	ASTM D6646-03	10/19/14 09:27	10/20/14 12:11	aas	W4J1174

Case Narrative:

Authorized Signature



Contact: Brandon Gee
(Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL)
NR = Not Reportable
Sub = Subcontracted analysis, original report enclosed.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services .
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002