

Sudbury Water District
Sudbury, Massachusetts 01776
Request for Bids (IFB) 25-12

Granular Activated Carbon (GAC) Replacement Services
CONTRACT

Notice to All Prospective Bidders

ADDENDUM #3, RELEASED on FEBRUARY 20, 2025

Sudbury Water District has issued this addendum for clarification by prospective bidders before the deadline:

1. What are the current media specs in the filters being replaced?

Response: The current specifications are essentially as advertised in the IFB. See Attachment "A", Norit G400 cut sheet.

2. Could you please provide the basis for the rinse cycle unit volume being 3 gallons per pound of media (Part 3 - Section 3.04.A)? That would equate to approximately 12 bed volumes of rinsing for a 12-ft diameter vessel, but we would expect upwards of 30 bed volumes.

Response: This procedure is provided as a starting point. A manufacturer's standard rinse cycle may be acceptable upon approval by the District.

3. How many pounds of media are in each vessel for potential replacement under this contract?

Response: 30,000 lbs in each vessel at the Raymond Road WTP and 20,000 lbs. in each vessel at the East Street WTP. The East Street WTP/PFAS treatment system will not be online until the 2nd year of this contract.

4. Could you please provide the site's water influent pH?

Response: The pH range is typically between 6.8 -7.2.

5. Please revise 1.05.A.3.b. to bidder providing reactivation services must demonstrate through a thorough reactivation study that PFAS emission monitoring has been conducted at one or more reactivation facilities during PFAS carbon reactivation and results show compliance with all EPA regulations.

Response: The intention of this requirement is to ensure that the awarded vendor is meeting State and Federal standards for reactivating carbon. The District is willing to work with a vendor on acceptable language by both parties for the contract agreement.

6. The return of spent GAC for reactivation must be tested and approved according to carbon acceptance criteria. If the standard carbon acceptance guidelines are not met, additional disposal costs may be incurred. We take exception to the 2-week delivery time limit. (page 9 of 74).

Response: A delivery timeframe of 30-days is acceptable by the District.

7. Will bulk dump trailers be acceptable for GAC delivery and installation via slurry eduction?

Response: Yes

8. If the spent carbon is not suitable for reactivation (eg-high manganese / iron contents) and is recommended for disposal – The disposal cost is payable by the Water district ?

Response: The bid table illustrated on page 29 of the IFB includes cost lines (4, 7, and 10) for disposal of spent GAC, per pound in each of the three years.

9. The pricing sheet states 120,000 lbs. for most scenarios – e.g. Virgin make up – GAC Disposal. The quantities for these items in any year are much less. Should these quantities be reduced for more accurate pricing and contract value?

Response: The GAC quantities have been reduced for years 1 and 2, from 120,000 lbs. to 60,000 lbs. per year. See Attachment “B”, revised Bid Price Table. Please complete and submit the attached “Revised Bid Table” with your bid submittal package.

The above responses were prepared by or in consultation with:

Vincent Roy, Executive Director

The Sudbury Water District reserves the right to reject any and all bids as determined to be in the best interests of the District and to waive minor informalities.

NORIT® GAC 400

Granular Activated Carbon

WHY CABOT

Cabot Norit Activated Carbon is a premier activated carbon manufacturer respected for experienced people, diverse products and strong customer relationships. Cabot's history of innovation, product performance, technical expertise and customer focus ensure that you receive the right products and solutions for your specific purification needs.



NORIT GAC 400 granular activated carbon is produced by steam activation of select grades of coal. As a result of a unique patented activation process and stringent quality control, NORIT GAC 400 granular activated carbon offers excellent adsorption properties and is recommended for removal of impurities from water and industrial process applications. NORIT GAC 400 granular activated carbon meets all AWWA B604 standards for potable water use and meets NSF/ANSI Standard 61.

NORIT GAC 400 granular activated carbon is Kosher certified and meets the requirements of the latest version of the U.S. Food Chemicals Codex.

SPECIFICATIONS

Iodine number	min. 1000	-
Abrasion number (AWWA)	min. 75	-
Particle size > 12 mesh (1.70 mm)	max. 5	%
Particle size < 40 mesh (0.425 mm)	max. 4	%
Moisture (as packed)	max. 2	%

GENERAL CHARACTERISTICS

Apparent density, vibrating feed	0.49	g/ml
	31	lb/ft³
Density, backwashed and drained	27	lb/ft³
Effective size	0.7	mm
Uniformity coefficient	1.6	-

NORIT® GAC 400

Granular Activated Carbon

NOTES

1. For important product safety, health, environmental and regulatory information, please refer to the Safety Data Sheet (SDS) which is available upon request.
2. General characteristics reflect representative values of product parameters and are not to be used as purchase specifications.
3. All analyses based on standard test methods and specifications are guaranteed values based on lot-to-lot quality control, as covered by Cabot Norit Activated Carbon's ISO 9001 certification.

PACKAGING

This product is available in:

- 55 lb bag, 45 bags per pallet for a net pallet weight of 2475 lb
- Woven polypropylene bulk bag, 1000 lb net

Product availabilities depend on the type of packaging.



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REQUIRED BID SUBMITTAL FORM – SCHEDULE OF PRICES

REVISED BID PRICE TABLE

2/20/2025

ITEM NUMBER	QUANTITY Lbs.	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS and NUMBER	TOTAL AMOUNT (Figure)
YEAR 1			
1) Virgin carbon based re-agglomerated GAC, per pound for initial replacement, including removal of spent GAC, re-activation, and storage.	60,000	Dollars () per pound	
2) Reactivated GAC, per pound, including removal of spent GAC, re-activation and storage and delivery.	60,000	Dollars () per pound	
3) Virgin carbon based re-agglomerated GAC, per pound for make-up lost spent GAC .	60,000	Dollars () per pound	
4) Disposal of spent GAC, per pound for changeout.	60,000	Dollars () per pound	
YEAR 2			
5) Reactivated GAC, per pound, including removal of spent GAC, re-activation and storage and delivery.	100,000	Dollars () per pound	
6) Virgin carbon based re-agglomerated GAC, per pound for make-up lost spent GAC .	100,000	Dollars () per pound	
7) Disposal of spent GAC, per pound for changeout.	100,000	Dollars () per pound	

REQUIRED BID SUBMITTAL FORM – SCHEDULE OF PRICES (CONTINUED)

ITEM NUMBER	QUANTITY Lbs.	ITEM WITH UNIT BID PRICE WRITTEN IN WORDS and NUMBER	TOTAL AMOUNT (Figure)
YEAR 3			
8) Reactivated GAC, per pound, including removal of spent GAC, re-activation and storage and delivery.	100,000	<hr/> Dollars () per pound	
9) Virgin carbon based re- agglomerated GAC, per pound for make-up lost spent GAC.	100,000	<hr/> Dollars () per pound	
10) Disposal of spent GAC, per pound for changeout.	100,000	<hr/> Dollars () per pound	
BID ALTERNATIVE			
11) Temporary movement of GAC, per pound for maintenance	60,000	<hr/> Dollars () per pound	

A. Total Amount Bid Items (1-10)

\$

(Figures)

(Words)

B. Total Amount Bid Items (1-11)

\$

(Figures)

(Words)

Acknowledgement of Addenda: Number(s) _____

The Bid Award will be based on the total amount of either Option A (1-10) or Option B (1-11).

Ordered quantities may vary each fiscal year depending on the needs of the District.