

FY '25  
CONTRACT DOCUMENTS  
FOR  
9. FERRIC CHLORIDE



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DIRECTOR

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TOWN OF HUDSON  
DEPARTMENT OF PUBLIC WORKS  
1 MUNICIPAL DRIVE  
HUDSON MA 01749

## EXHIBIT A

### INVITATION TO BID

#### MATERIALS & SERVICES

Sealed proposals will be received at the Office of the Director of Public Works, 1 Municipal Drive, Hudson, MA 01749, until 10:00 A.M., Wednesday, April 24<sup>th</sup>, 2024 at which time all bids will be publicly opened and read for the purpose of providing the Town of Hudson, Department of Public Works the following:

Proposal must be on forms furnished by the Director of Public Works and will be available on and after Monday, April 8<sup>th</sup>, 2024.

All material bids may be obtained at following link or contact DPW Office 978-562-9333.

#### **FY'25 Material Bid Specifications**

<https://www.townofhudson.org/departments-public-works/pages/bid-packages>

1. BITUMINOUS CONCRETE (AT PLANT)
2. COLD PATCH
3. CRUSHED STONE ¾"
4. CEMENT CONCRETE
5. CATCH BASIN CLEANING
6. TRAFFIC LINE PAINTING & MARKING
7. WATER QUALITY TESTING
8. WASTEWATER TOXICITY TESTING
9. FERRIC CHLORIDE

Address all proposals to the Director of Public Works, 1 Municipal Drive, Hudson, MA 01749.

**PLEASE SUBMIT ONE BID PER ENVELOPE AND MARK ON ENVELOPE PURPOSE OF BID ENCLOSED.**

The Board of Selectmen must approve any contract issued in response to a successful bid. The Town reserves the right to reject any or all bids.

Minority and Women Businesses are encouraged to bid.

Eric M. Ryder  
Director of Public Works

TOWN OF HUDSON  
DEPARTMENT OF PUBLIC WORKS  
WASTEWATER TREATMENT FACILITY  
SPECIFICATIONS  
FOR  
**FERRIC CHLORIDE SOLUTION ( $\text{FeCl}_3$ )**

**1. GENERAL INFORMATION**

The Town of Hudson, MA intends to contract for the purchase of approximately 120,000 gallons of Ferric Chloride Solution for the period from July 1, 2024 to June 30, 2025. The following specifications are not intended to limit competition to certain manufacturers' chemicals but to indicate to the bidder the quality and type of material to be supplied. The Town invites bids for equal or better materials. The supplier selected shall meet all minimum requirements referred to and specified herein. Where there are two requirements, the more stringent of the two will apply.

**2. SCOPE**

The supplier shall furnish within five (5) working days of notification sufficient quantities of the product as required by the Town of Hudson.

**3. MATERIAL**

The Ferric Chloride Solution shall be Kemira Varennes,  $\text{FeCl}_3$  38-42%, or approved equal, meeting the following specifications and typical analysis:

**SPECIFICATIONS:**

$\text{FeCl}_3$  >30%, Total iron 10-12%, Ferrous iron < 0.5% max, Free acid <2.0%  
Water insolubles 0.5% max, Density 1.29 to 1.37 Molybdenum 18.0 mg/L

**TYPICAL ANALYSIS (mg/L):**

METALS	RESULTS	STANDARD DEVIATION
Ag	<0.010	± 1
Al	157	± 50
Ba	0.2	± 5
Cd	.20	± 0.5
Co	8	± 3
Cr	61	± 21
Cu	34	± 11
Hg	0.22	± 0.056
Mg	33	± 9
Ni	30	± 8
Mn	600	± 80
Pb	15	± 10
Mo	4	± 5
Se	<0.005	± 0.013
Ti	5.25	± 100
V	5.5	± 5
Zn	21	± 10

**4. QUANTITIES**

The actual quantity may increase or decrease in accordance with the operating needs of the treatment facility. The Town makes no guarantee that a minimum amount of Ferric Chloride Solution purchased or consumed during the contract period. Solely the Town shall determine the application of Ferric Chloride Solution.

**5 DELIVERY**

Delivery shall be accepted at the Department of Public Works Yard, 1 Municipal Drive, typically in 4,000-gallon shipments.

Deliveries of material shall be made only during normal working hours of the Hudson Wastewater Treatment Facility.

Delivery trucks must have own means for off-loading the Ferrous Chloride Solution and adapting to the quick connect fill line at the Wastewater Treatment Facility.

Delivery trucks shall have materials necessary to collect and remove any product drained from hoses and/or fittings or spills during delivery and transfer operations.

An Original Certificate of Analysis, including all of the specified parameters and a Current Material Safety Data Sheet (MSDS) shall be presented with each delivery.

REQUIRED BID FORM

BID FOR: FERRIC CHLORIDE FeCl<sub>3</sub>

BID PRICE: \_\_\_\_\_ PER DRY TON (DELIVERED)

COMPANY NAME: \_\_\_\_\_

CONTACT NAME: \_\_\_\_\_  
(PLEASE PRINT)

TITLE: \_\_\_\_\_

COMPANY ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_ E MAIL: \_\_\_\_\_

INDIVIDUAL AUTHORIZED TO SUBMIT BID: \_\_\_\_\_  
(PLEASE PRINT)

DATE: \_\_\_\_\_  
(SIGNATURE)

**CERTIFICATE OF NON-COLLUSION**  
**Chapter 30B, § 10**

"The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals."

\_\_\_\_\_  
INDIVIDUAL OR CORPORATE OF PROPOSER

\_\_\_\_\_  
SIGNATURE OF AUTHORIZED AGENT

\_\_\_\_\_  
PRINTED NAME OF AUTHORIZED AGENT

\_\_\_\_\_  
DATE

# CERTIFICATE OF TAX COMPLIANCE

Pursuant to Massachusetts General Law Chapter 62C, § 49A, I hereby certify under penalties of perjury that I have, to the best of my knowledge and belief, filed all state tax returns and paid all state taxes required under law.

\_\_\_\_\_  
SOCIAL SECURITY OR FEDERAL I.D. NUMBER

\_\_\_\_\_  
SIGNATURE: INDIVIDUAL OR CORPORATE OFFICER

\_\_\_\_\_  
DATE

**PLEASE PRINT:**

CORPORATE NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

P.O. BOX: \_\_\_\_\_

CITY, STATE, ZIP CODE: \_\_\_\_\_

- Your Social Security Number or Federal Identification Number will be furnished to the Massachusetts Department of Revenue to determine whether you have met tax filing or tax payment obligations. Proposers who fail to correct their non-filing or delinquency will not have a contract or other agreement issued, renewed or extended. This request is made under the authority of M.G.L. Ch. 62C, §48A.

**CERTIFICATE OF AUTHORITY  
MEETING OF BOARD OF DIRECTORS**

At a meeting of the Directors of the \_\_\_\_\_ duly called  
(Corporation)

and held at \_\_\_\_\_ on the \_\_\_\_\_ day of

\_\_\_\_\_, in the year \_\_\_\_\_ at which a quorum was present and acting, it was

voted, that \_\_\_\_\_ the \_\_\_\_\_ of this Corporation  
(Name) (Title/Position)

is hereby authorized and empowered to submit a bid, make, enter into, sign, seal and deliver, on behalf of this Corporation a Contract for

\_\_\_\_\_  
(Brief Description)

with the Town of Hudson, and to issue any bid, performance, or payment bonds if required in connection with such Contract.

I hereby certify that the above is a true and correct copy of the record, that said vote has not been amended or repealed and is in full force and effect as of this date, and

that \_\_\_\_\_ is duly elected \_\_\_\_\_ of this Corporation.

\_\_\_\_\_  
**Clerk or Secretary of the Corporation**