

CITY OF PORT ST. JOE, FLORIDA
NOTICE TO RECEIVE SEALED BIDS
RFP 2026-05
50% Membrane Grade Caustic Soda
Sodium Hypochlorite
Liquid Ferric Sulfate

Sealed bids for City of Port St. Joe for 50% Membrane Grade Caustic Soda, Sodium Hypochlorite, and Liquid Ferric Sulfate will be received at City Hall, 305 Cecil G. Costin Sr. Blvd., Port St. Joe, Florida 32456 up until 3:00 PM EST, Friday, September 11, 2026. Bids will be publicly opened and acknowledged, Friday, September 11, 2026, at 3:05 PM EST, in the City Commission Conference Room.

Bids shall be submitted in a sealed envelope, plainly marked with bidder's name, address, date and time of opening, and "RFP Number 2026-05 for 50% Membrane Grade Caustic Soda, Sodium Hypochlorite, and Liquid Ferric Sulfate." You may bid on any or all of these chemicals. Your packet must specify which chemical you are bidding on.

DESCRIPTION OF WORK: A complete bid package is available at the City's website: www.cityofportstjoe.com

For questions concerning this project, please contact Larry McClamma at 850-229-1421.

The City of Port St. Joe reserves the right to accept or reject any and all Statements of Bids in whole or in part, to waive informalities in the process, to obtain new Statements of Bids, or to postpone the opening pursuant to the City's purchasing policies. Each Statement of Bid shall be valid to the City of Port St. Joe for a period of sixty (60) days after the opening.

The City of Port St. Joe is an Equal Opportunity, Affirmative Action Employer, and a Drug Free Workplace.

SPECIFICATIONS

LIQUID FERRIC SULFATE

INTENT OF SPECIFICATIONS

1. The Material to be provided shall be Liquid Ferric Sulfate, approved for potable water treatment, listed/certified under the National Sanitation Foundation NSF Standard 600 and meeting all provisions of ANSI/AWWA STANDARD B406-92; "Standard for Liquid Ferric Sulfate", latest revision and the requirements contained within these specifications.

2. PRODUCT:

- a. The Liquid Ferric Sulfate shall meet the physical and chemical properties listed below. The Liquid Ferric Sulfate shall be supplied as an aqueous solution containing not less than 12.8% ferric iron and not more than 14% ferric iron, all soluble.
- b. The Liquid Ferric Sulfate shall be manufactured from a source of virgin mined iron ore and selected high purity components i.e. magnetite, hematite, ferrous sulfate, etc. – and a "water white" grade of sulfuric acid.
- c. The Liquid Ferric Sulfate shall be free from extraneous material and shall be transported and delivered at such concentration and temperature that no freezing occurs. The liquid shall be suitable for feeding by means of metering pumps or other metering devices constructed of corrosion-resistant materials.
- d. The Liquid Ferric Sulfate shall have the following chemical properties:
 1. Ferric iron: 12.3 – 14.0%
 2. Ferrous iron 0.15% max.
 3. Free Acid (as % H₂SO₄) .01% max.
 4. % Insoluble: 0.1% max.
- e. The Liquid Ferric Sulfate shall not contain specific impurities in excess of the following limits (by weight).

1. Arsenic	1 mg/kg	Copper	25 mg/kg
2. Cadmium	1.0 mg/kg	Zinc	10 mg/kg
3. Chromium	7 mg/kg	Manganese	100 mg/kg
4. Lead	1.0 mg/kg	Barium	6 mg/kg
5. Mercury	0.2 mg/kg	Chloride	100 mg/kg
6. Selenium	5 mg/kg	Fluoride	60 mg/kg
7. Silver	11 mg/kg	Titanium	150 mg/kg
8. Nitrites (AS N)	75 mg/kg	Nitrates (AS N)	75 mg/kg
9. Total organic Carbon:	15 mg/kg	Sodium	1000 mg/kg
10. Nickel	40 mg/kg	Molybdenum	15 mg/kg

Membrane Caustic Soda 50% Specifications

<u>Characteristic</u>	<u>Parameter</u>	<u>Analysis</u>
NaOH, wt %	49.50-51.50	50.27
NA2O, wt %	38.30-39.90	38.95
Fe, ppm	3.0 Max	0.5
NaCl, ppm	100.00 Max	49
NaCO3, wt %	0.05 Max	<0.050

Sodium Hypochlorite 12.5 wt% Bacticide

Characteristic	Unit	Value	Min	Max
Sodium Hypochlorite, NaOCl , wt%	wt%	13.2	12.5	15.6
Available Chlorine, gpl	gpl	150.6	145	185
Total Alkalinity as NaOH , gpl	gpl	10.5	1.2	29
Total Alkalinity as NaOH , wt%	wt%	0.9	0.1	2.3
Actual Sodium Hydroxide, NaOH , wt%	wt%	0.4	0.1	1.5
Sodium Carbonate, Na_2CO_3 , wt%	wt%	0.6		1.1
Density @ 20 C	g/ml	1.2		