

UTILITIES DEPARTMENT



Wes Byne, P.E.
Director

TO: APPROVAL: Andy Penick
ANDY PENICK
Director, Procurement Department

Date: 09/18/2025

THRU: APPROVAL: FWB
WES BYNE, P.E.
Director, Utilities Department

Date: 9-18-2025

FROM: Steve Orton, AUD Facilities and Maintenance Superintendent

DATE: 09/18/2025

SUBJECT: JUSTIFICATION FOR EMERGENCY REQUESTS – SODIUM HYPOCHLORITE TANKS

This is an Emergency for 2 – Sodium Hypochlorite Tanks: the Highland Ave. Water Treatment Plant and the Morgan Road Booster Pump Station.

The current tank for the Highland Avenue Water Treatment Plant has developed a crack in the side and is no longer useable. This tank is where our 12.5% bleach is stored for disinfection of the potable water.

The second tank is for Morgan Road Booster Pump Station; we need to facilitate chlorination at this tank as it serves Ft. Gordon. This pump station has chlorination systems failure so, we are converting it into bleach.

By ordering two at the same time, will save us costing a lot of shipping charges, which according to the quote amounted to \$3,560.00 Total amount of this emergency for both tanks are \$56,060.00

Please approve this emergency to prevent the interruption in water treatment process as well as water distribution.

Sincerely,

Stephen Orton

**AUGUSTA UTILITIES DEPARTMENT
IN-HOUSE REQUISITION**

CHECK ALL THAT APPLY:

REQUISITION #

DATE: 9/4/2025

DIVISION Highland Water Filter Plant

FUND #: 506043520 5425110

SHIP TO:

2822 Central ave. Augusta, Ga 30901

- | | | | | | |
|---|------------------------------------|--------------------------------------|---|------------------------------------|---|
| ☒ WATER | ☐ EQUIPMENT | ☐ CHEMICAL | ☐ LAB | ☐ IT | ☐ ROUTINE |
| ☐ SEWER | ☐ TOOLS | ☐ GASES | ☐ UNIFORM | ☐ SCADA | ☒ EMERGENCY |
| ☐ SUPPLIES | ☐ SAFETY | ☐ REPAIR | ☐ LIFT STATION | ☐ INVENTORY | ☐ SOLE SOURCE |
| ☒ SERVICE | ☐ OFFICE | ☐ MAINTENANCE | ☒ OTHER | ☐ BID ITEM | ☐ PREFER ITEM |

VENDOR:	Carl Eric Johnson, Inc
ADDRESS:	1725Q MACLEOD DR, LAWRENCEVILLE, GA 30043
PHONE #:	(912) 352-0762
QUOTED BY:	Adrian Daniels

ITEM #	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1.	4400 Gallon Sodium	2	26,250.00	52,500.00		0.00		0.00
2.	Hypochlorite Tank			0.00		0.00		0.00
3.				0.00		0.00		0.00
4.				0.00		0.00		0.00
5.				0.00		0.00		0.00
6.				0.00		0.00		0.00
7.				0.00		0.00		0.00
8.				0.00		0.00		0.00
9.				0.00		0.00		0.00
10.				0.00		0.00		0.00
11.				0.00		0.00		0.00
12.				0.00		0.00		0.00
13.				0.00		0.00		0.00
14.				0.00		0.00		0.00
	SHIPPING CHARGES	1	3,560.00	3,560.00		0.00		0.00
	TOTAL			56,060.00		0.00		0.00

JUSTIFICATION AND EXPLANATION FOR PURCHASE:

tanks for sodium Hypochlorite

REQUESTED BY: *Steve Orlan*

APPROVED BY: *John Goodenough*

Frank W Byns



Date: July 31, 2025
Attn: Steven Orton
Augusta Utilities
Quote No. CEJ-Q-003095
Subject: 4400GAL SAFE-TANK Sodium Hypochlorite



Thank you for the opportunity to be considered for your chemical storage needs.

Poly Processing Company offers reliable, robust tank systems for safe storage of harsh chemicals. Cross-linked polyethylene storage tanks offer a margin of safety that meets or exceeds ASTM D-1998 standards. This material strength is then combined with rotational molding as the manufacturing process. Rotational Molding differs from FRP and Steel in that it creates a seamless, homogenous part with no welds, joints, composites, or seams. This is the surest way to avoid chemical leaks and a major benefit over Fiberglass and Steel tanks.

If honored with an order, we can provide an exact drawing of fittings placement to get your signed approval on, and your equipment would be on site in approximately 6 weeks from your approval of that drawing.

Please contact me if I can answer any questions or revise this proposal in any way.

Thank You,

Ozzy Castellanos



Poly Processing Tank Offering

◆ = Distinguishing Feature from Others

This mark denotes Innovations in this proposal developed by Poly Processing Company (PPC) or its sister Chemical Company. PPC is unique among storage tank manufacturers, in being privately held. This allows heavy R&D each year for innovations not expensed by shareholder-controlled companies. See below or ask us on any feature having this mark, as to how it differs from others in longevity, safety, maintenance, or operational costs.

TANK SYSTEM: Sodium Hypochlorite

For storing: Sodium Hypochlorite, 9 - 15%, SPG 1.2

Application Parameters: Outdoor/To 100F/NSF/Wind 0/Seismic 0/Pneumatically Filled>/Non-Scrubber

Diameter: 10'-3" | Height: 10'-3" | Dome Manway Size: 24"

Stock Number: 72004400441VA

Download links below are of the basic tank before assembly. Complete Approval Drawings available with PO.

[PDF Drawing](#) / [CAD \(dwg file\)](#) / [3D-CAD \(stp file\)](#) | [PDF Gallon per Inch chart](#) | .

Primary Tank (Quantity: 1)

4400 SAFE-Tank◆ Inside Primary Tank

1.90 specific gravity wall thickness

Crosslinked Polyethylene (XLPE)◆ ,Black

Tank wall includes Oxidation Resistance additives(OR1000)◆

Containment Tank Qty: 1 4400 SAFE-Tank◆ Nested Containment Outside Tank

1.90 specific gravity wall thickness

Crosslinked Polyethylene (XLPE)◆

Color: Natural (yellowish white)

Fill (Quantity: 1)

Bulkhead fitting Assembly 2" Socket x socket PVC/viton nsf

Dome Fitting (Quantity: 1)

Universal Ball Dome Fitting 2" Bulkhead fitting Style PVC/viton nsf

Overflow Fitting (Quantity: 1)

Bulkhead fitting Assembly 3" Socket x socket PVC/viton nsf

Vent (Quantity: 1)

U-vent 4" PVC

Inner Tank Fitting (Quantity: 1)

BOSS_fitting (Bolted One-piece Sure Seal)◆ 2" Assembly (polyethylene)/PVC/Titanium/viton nsf

Pump Feed (Quantity: 1)

Transition Fitting with Containment and Flex◆

Outlet Endplate: 2" with containment around outlet pipe and built-in flex.

PVC/litharge Viton /Titanium with Expansion Joint PTFE

WARRANTY:3 Years, Full Replacement, Non-Prorated

System Subtotal: \$26,250.00

Totals of all Tank Systems above...

\$26,250.00

Freight/Shipping Estimate: \$3,560.00

Order Grand Total: \$29,810.00

Quote pricing guaranteed 30 days, subject to change after 09-24-2025

Freight quoted is an estimate at time of quote. Actual freight charged will be passed through from carrier at time of shipment.



NOTES:

COMPONENTS IN THIS PROPOSAL

While the Tank Offering section above highlights the overall systems, this grid details individual components and accessories for a more complete look.

LABEL	STOCK#	DESCRIPTION	QTY
Tank System		Application: Sodium Hypochlorite	
Usage:		Sodium Hypochlorite	
Chemical:		Sodium Hypochlorite, 9 - 15%, SPG 1.2	
Op Env:		Outdoor/To 100F/NSF/Wind 0/Seismic 0/Pneumatically Filled>/Non-Scrubber	
Nominal_Tank>		Nominal_Tank> 4400 Safe-tank Inside Primary Tank, Sodium Hypochlorite 9 -	
Primary Tank	72004400441	4400 Safe-tank Inside Primary Tank 1.90 specific gravity wall thickness, Crosslinked Polyethylene (XLPE) ♦ ,Black Tank wall includes Oxidation Resistance additives(OR1000) ♦	1
Comments:		WEIGHT: 1315 DIA: 10'-3" HT: 10'-3" TOP: 24"	
Containment:		Containment Tank	
Containment Tank	72104950410	4400 Safe-tank Nested Containment Outside Tank 1.90 specific gravity wall thickness, Xlpe,Color: Natural (yellowish white)	0
Comments:		WEIGHT: 1100 DIA: 10'-3" HT: 8'-5"	
Fill/Discharge:		Fill/Discharge	
Fill	11107	Bulkhead fitting Assembly 2" Socket x socket PVC/viton nsf	1
Comments:		To be installed at Flat Dome location	
	2063	Flange Adapter 2" Threaded PVC	1
Dome:		Dome Fittings	
Dome Fitting	8145	Universal Ball Dome Fitting 2" Bulkhead fitting Style PVC/viton nsf	1
	2063	Flange Adapter 2" Threaded PVC	1
Sidewall:		Sidewall Fittings	
Inner Tank Fitting	9746	BOSS_fitting (Bolted One-piece Sure Seal) ♦ 2" Assembly Pe/PVC/Titanium/viton nsf	1
Pump Feed	9756	Transition Fitting 2" with containment around outlet pipe and built-in flex. PVC/litharge Viton /Titanium with Expansion Joint PTFE	1
	2063	Flange Adapter 2" Threaded PVC	1
Overflow:		Overflow Fittings	
Overflow Fitting	11109	Bulkhead fitting Assembly 3" Socket x socket PVC/viton nsf	1
	2085	Flange Adapter 3" Threaded PVC	1
Venting:		Venting	
Vent	3275	U-vent 4" PVC	1
	9071	Screen F/4" Vent PE Mesh	1
Freight		Freight and Shipping Summary	
Agent:		Bestway	
Method:		Best Way	
Payment Method:		Pre-Paid & Add	
Source/Name:		PPC Shipping Department/Ozzy Castellanos	

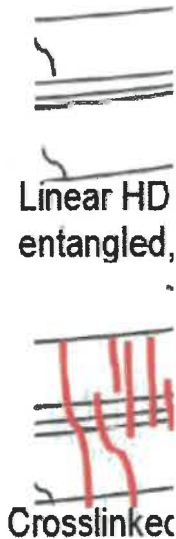
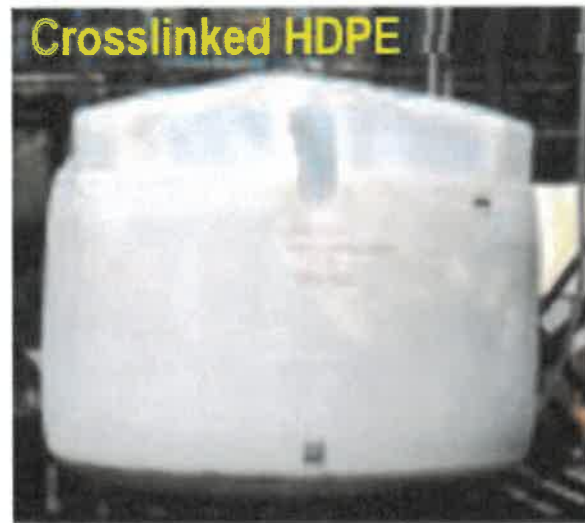


Freight Estimate	FREIGHT	Freight and Shipping Estimate (Actual TBD)	1
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THIS PROPOSAL CONTAINS...

The following are referenced in one or more places above.

1) Crosslinked Polyethylene (XLPE) ☒ Included!



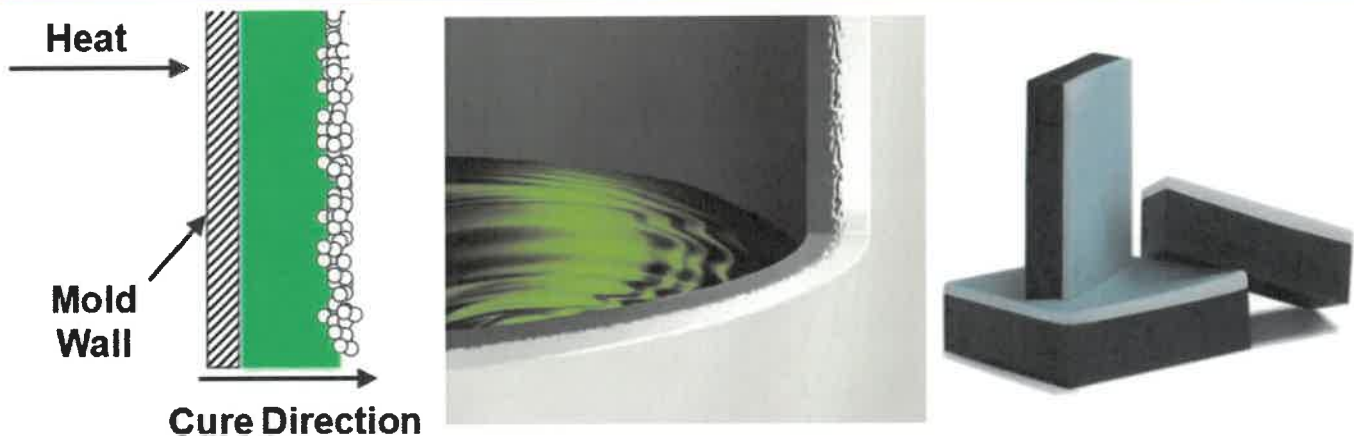
- XLPE is still HDPE, but the HDPE polymer chains are crosslinked to each other for superior strength.
- XLPE is all about strength, not chemical compatibility. It is still HDPE, but stronger.
- XLPE is 5x stronger than linear HDPE. It is a thermoset vs thermoplastic (linear)
- 20 times the environmental stress crack resistance (ESCR) over linear HDPE.
- Considerably longer tank life (vs linear) & best warranty in the Industry.
- MORE INFO: and video demonstration- please visit [Crosslink vs Non-Crosslinked video](#)

2) NSF61 System Certification ☒ Included!



- Only system completely certified by NSF for fittings, gaskets, and other components.
- Over 35 chemicals certified under PPC NSF Product and Service Listing.
- Others may be NSF61 for Potable water only- not chemicals.
- NSF61 documentation and system decal on tank wall.
- MORE INFO: Please download our [NSF/ANSI 61 Certification Guide](#)

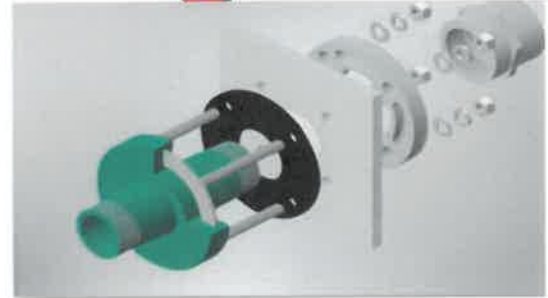
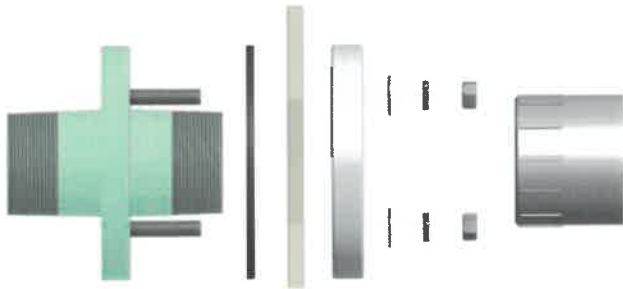
3) Anti-Oxidation System (OR1000) ☒ Included!



Extends any PE tank life containing oxidizing chemicals.

- 4 times the antioxidant strength of any polyethylene on the market today.
- Polyethylene with OR additives is blended, baked in, and covalently bonded with rotomolding process- NOT just a liner.
- NSF61 Certified.
- Added as a 'double shot' towards end of cooking cycle leaving anti-oxidants in the field vs being 'cooked away'.
- Longest warranty in the industry.
- MORE INFO: and video demonstration- please visit [Engineered Resins for specific chemicals](#)

4) BOSS Fitting ☒ Included!



More leak proof than any fitting on the market

- Is constructed of polyethylene for chemical compatibility with your tank
- Has an innovative backing ring design to reduce stress on the fitting and make it three times stronger than plastic fittings.
- Is easy to maintain, since the pipe connection is extended beyond the sidewall of the tank.
- MORE INFO: Video, pictures, benefits - please visit [BOSS 5 things](#)

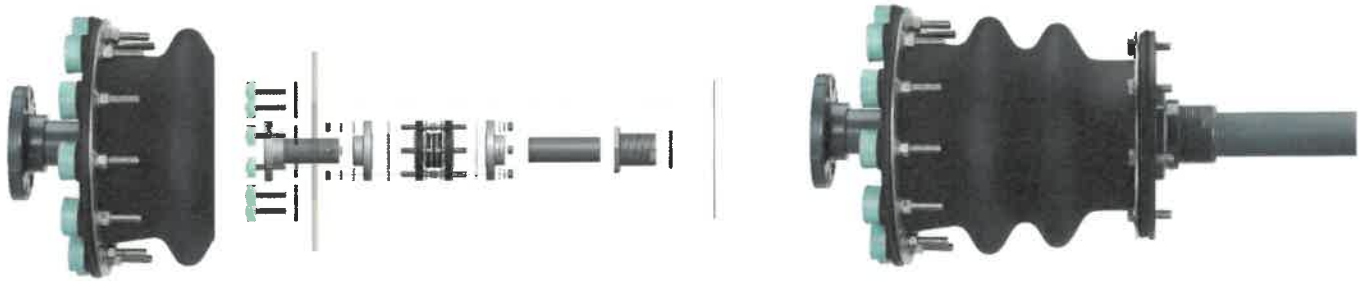
5) SAFE TANK SYSTEM ☒ Included!



A primary tank nested inside another containment tank (double wall tank)

- Containment tank meets 110% capacity of the primary tank.
- Covered containment so rain or wash water can not jeopardize the containment capacity or chemical reaction.
- Portable to new location vs concrete berm
- In event of breach chemical still useable (simply becomes a single wall tank).
- In event of breach no lost production time (Allows scheduling a repair vs Shut Down).
- Exterior tank acts as a sun shield and protects the contents of the tank from UV degradation.
- MORE INFO: Guides, pictures, benefits - please visit [SAFE-tank website info](#)

6) Transition Fitting ☒ Included!



CONTAINED bottom discharge capability in a system that supports 110% secondary containment requirements. Some systems by others do not encapsulate the outlet and could empty contents when gasket fails.

- Containment of the expansion joint and connections eliminates the threat of uncontained chemical leaks that could occur in the outlet piping.
- Piping layouts can be fully contained by connecting a dual-wall piping system onto the ANSI endplate fitting.
- Drain fittings that are flexible and move with the individual tanks.
- Meets 10 state standards for Federal, and State regulation compliance.
- MORE INFO: Pictures and guide, please visit [Transition Fitting](#)

Additional Value from Poly Processing Company

- ✔ Over 50 years Manufacturing, Serving & Innovating for the chemical feed industry!
- ✔ Privately held. PPC cares about safety, innovation, & customers- not shareholders.
- ✔ Born from it's sister chemical company still operating- PPC knows chemical storage at a root level.
- ✔ Fastest deliveries and response times in the Industry.
- ✔ Technical Support staff-dozens of people across 3 plants- to assist you quickly- 12 hrs per day!
- ✔ Tanks built to ASTM D 1998 and certified with documentation.
- ✔ Factory 4 Hour Hydro Test on your finished tanks and signed documentation.
- ✔ Factory Impact Test per ASTM D1998 and documentation.
- ✔ Factory Gel test per ASTM D-1998 and documentation.
- ✔ Ultrasonic wall thickness testing per ASTM and signed documentation.
- ✔ NSF61 "system" certification for chemical- others only tank wall.
- ✔ Approval and As-Built drawings include full fitting details unlike others.
- ✔ Support Teams out of three factories in CA / LA / VA covers North America.
- ✔ 7 Regional Managers living in each area of country to assure your satisfaction.
- ✔ Factory Field Service Team that can come to your location for any need. [\[more\]](#)
- ✔ FDA Compliant.
- ✔ 3D CAD files available. 3D Drafting Team for custom needs.
- ✔ Turnkey Installation available with local contractor partners.
- ✔ 'Library of Congress for tanks'- none compare to our website resources.
- ✔ Project management team for after PO to shipment ease of business.
- ✔ Tanks washed and shrink wrapped for clean delivery. Others do not.



FITTINGS AND ACCESSORIES REFERENCE

Please refer to proposal above for specific materials and sizes. The following exist on this proposal but this list may not be complete to every item quoted. Our website shows additional fittings if needed.



Flange Adapter

A flange attached to a nipple pipe. Allows plumbing connections between tank fittings and the flange of a component. See proposal sections above for size and type included.

To download a PDF drawing click here: [Download Flange Adapter PDF](#)



Bulk Head Fitting

A common fitting not unique to Poly Processing, it must be installed from the inside of the tank. We recommend it not be used on the bottom sidewall of tanks greater than 3,000 gallons or tanks greater than 6 feet in height. [See drawing- click here](#)



U-Vent

A common fitting not unique to Poly Processing, Standard venting for outdoor tanks. In PVC, in sizes 2 to 6 inches.

More Info: [Other vent choices and drawings- click here](#)