

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES ☒ NO ☐MAXIMUM ESCALATION PERCENTAGE REQUESTED 5 %INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 1 year from award.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

7-10 Days ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

n/a**THIS SECTION MUST BE COMPLETED BY BIDDER:**FIRM NAME: Shannon Chemical CorporationADDRESS: P.O. Box 376CITY, STATE: Malvern, PAZIP: 19355TELEPHONE: (610) 363-9090FAX: (610) 524-6050EMAIL ADDRESS: dcflynn@shannonchem.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 224,120.40AUTHORIZED
SIGNATURE: Daniel C. Flynn

Printed Name

TITLE: Vice President-Operations

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119831

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	250.00	TN	TWO (2) YEAR CONTRACT FOR VARIOUS CHEMICALS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS - WATER. 0010 BULK LIQUID AMMONIA (DELIVERED FREIGHT PREPAID IN APPROXIMATELY 2 OR 3 TON SHIPMENTS TO BOTH THE EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED). DELIVERY LOCATIONS: EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072		No Bid
2	120.00	TN	0020 ZINC SODIUM HEXAMETAPHOSPHATE (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED). DELIVERY LOCATION: EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072	\$1,867.67/ Ton	\$224,120.40
3	1,600.00	TN	0030 BULK POLYDADMAC POLYELECTROLYTE CLARIFLOC C-308P (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED). DELIVERY LOCATION: EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072		No Bid
4	135.00	DRUM	0040 AMMONIUM HYDROXIDE SOLUTION, 29.4% IN 55 GALLON DRUMS (DELIVERED FREIGHT PREPAID IN 10 DRUM SHIPMENTS AS REQUIRED). DELIVERY TO: GRAND ISLE, LA 70358		No Bid
5	400.00	TN	0050 BULK POWDERED ACTIVATED CARBON FOR BROAD SPECTRUM ORGANICS REMOVAL (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED). DELIVERY LOCATION: EASTBANK PLANT - JEFFERSON, LA 70121		No Bid

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119831

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
6	1,500.00	TN	WESTBANK PLANT - MARRERO, LA 70072 0060 LIQUID CHLORINE IN 1 TON CYLINDERS (CYLINDERS DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED). DELIVERY LOCATION: EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072		No Bid
7	55,000.00	LB	0070 LIQUID CHLORINE IN 150 POUND CYLINDERS (CYLINDERS DELIVERED IN 1500 LB SHIPMENTS FREIGHT PREPAID AS REQUIRED) DELIVERY TO: GRAND ISLE, LA 70358		No Bid
8	150.00	TN	0080 BULK FLUOROSILICIC ACID BID ON A 100% DRY BASIS (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED). DELIVERY LOCATION: EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70075 * PRICE IS BASED ON A 100% ASSAY ADJUSTED BASIS AND 20 TON MINIMUM RELEASES.		No Bid
9	3,800.00	TN	0090 BULK LIQUID ALUMINUM SULFATE BID ON A 100% DRY BASIS (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED). DELIVERY LOCATION: EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072 QUOTED DRY TON		No Bid

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Shannon Chemical Corporation

INCORPORATED.

AT THE MEETING OF DIRECTORS OF Shannon Chemical Corporation
INCORPORATED, DULY NOTICED AND HELD ON May 25, 2017,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Daniel C. Flynn, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.



Karl Spivak

SECRETARY-TREASURER

06/13/17

DATE



Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Pennsylvania

PARISH/COUNTY OF Chester

BEFORE ME, the undersigned authority, personally came and appeared: Daniel C. Flynn
_____, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized VP-Operations of Shannon Chemical Corp. (Entity),
the party who submitted a bid in response to Bid Number 50-119831, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

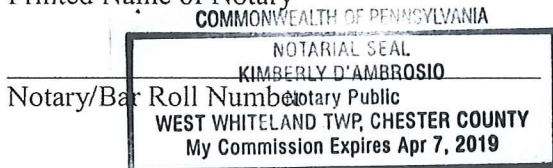
DC77-
Signature of Affiant

Daniel C. Flynn
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 13th DAY OF June, 20 17.

Kimberly D'Ambrosio
Notary Public

Kimberly D'Ambrosio
Printed Name of Notary



Notary/Bar Roll Number _____
My commission expires _____.

STANDARD INSURANCE REQUIREMENTS – PUBLICLY ADVERTISED BIDS

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the advertised bid. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability, Workmen's Compensation Insurance and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE

☒ WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office with the concurrence of the Director of Risk Management.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required unless otherwise specified in the bid. Such insurance is due upon contract execution.

1) OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

2) BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
6/1/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER SASSA & CONCANNON INSURANCE PO Box 187 Norwood, PA 19074-0187	CONTACT NAME: Steve Hollingsworth	PHONE (A/C, No, Ext): (610) 583-3523	FAX (A/C, No): (610) 583-3406
	E-MAIL ADDRESS: stevehinsurance@gmail.com		
INSURED Shannon Chemical Corporation PO Box 376 Malvern, PA 19355 610-363-9090	INSURER(S) AFFORDING COVERAGE		NAIC#
	INSURER A: Nautilus Insurance Company		17370
	INSURER B: Great Divide Insurance Company		25224
	INSURER C: Aspen Specialty Insurance Company		10717
	INSURER D: Commerce and Industry Insurance Company		19410
	INSURER E:		
INSURER F:			

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS EXCLUSION MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:	Y		GLP2018247-11	06/01/2017	06/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANYAUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS	Y		BAP2018248-11	06/01/2017	06/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	Y		EXAGH9X17	06/01/2017	06/01/2018	EACH OCCURRENCE \$ 9,000,000 AGGREGATE \$ 9,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	14220229	06/01/2017	06/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Site Pollution Liability	Y	Y	SSP2018250-11	06/01/2017	06/01/2018	\$1,000,000 per occurrence \$2,000,000 Aggregate

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is to read as follows:

The Parish of Jefferson, it's Districts, Departments, and Agencies under the direction of the Parish President and the Parish Council; Department of Water, 1221 Elmwood Park Boulevard, Suite 909, Jefferson, LA 70123, is named as an additional insured where required by written contract.

CERTIFICATE HOLDER The Parish of Jefferson, Etal Jefferson Parish Water Department 1221 Elmwood Park Blvd. Suite 909 Jefferson, LA 70123	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return) Shannon Chemical Corporation	
Business name/disregarded entity name, if different from above	
Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	
<input checked="" type="checkbox"/> Exempt payee	
Address (number, street, and apt. or suite no.) P.O. Box 376	Requester's name and address (optional)
City, state, and ZIP code Malvern, PA 19355	
List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

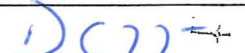
Social security number								
			-					
Employer identification number								
2	3	-	1	8	5	6	7	9 3

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶ 	Date ▶ 6/13/17
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.



Shannon Chemical Corporation

Specializing in **LEAD** and **COPPER** Corrosion Control

LETTER OF CERTIFICATION

SHAN-NO-CORR

Corrosion Inhibitor & Sequestering Agent

Water Treatment Compound

SHANNON CHEMICAL CORPORATION certifies that SHAN-NO-CORR is a 1:10 ratio bimetallic zinc phosphate which is certified to ANSI/NSF Standard 60.

SHAN-NO-CORR has the following physical and chemical characteristics:

Color	White, Granular Powder
Odor	None
Chlorine Demand	None
Solubility	2.5#/gallon
pH 1% Solution	Less than 2.5
Zinc as Zn	6.7%
Phosphate as PO ₄	67%
Zinc: PO ₄ Ratio	1:10

The raw materials used in the formulation of **SHAN-NO-CORR** meet or exceed the specifications for additives to potable drinking water as stated in the Water Chemicals Codex and the Water Chemicals Codex: Supplementary Recommendations For Direct Additives.


Daniel C. Flynn
Vice President-Operations
SHANNON CHEMICAL CORPORATION



Shannon Chemical Corp.
P.O. Box 376 Malvern, PA 19355 • Phone: (610) 363-9090 • Fax: (610) 524-6050

Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

1.1 Product Identifier

Product Name	• SHAN-NO-CORR (S-N-C)
Synonyms	• Zinc Phosphate
CAS Number	• Proprietary Blend
SDS Number/Grade	• 0046

1.2 Use of Substance/Mixture

Recommended use	• Water treatment; sequestration; corrosion inhibitor
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1.3 Company Identification

Name	• Shannon Chemical Corporation
Address	• P.O. Box 376 Malvern, PA 19355

1.4 Contact Information

Information #	• (610) 363-9090
Chem Tel #	• (800) 255-3924
Emergency #	• (484) 354-9773

SECTION 2: HAZARDS IDENTIFICATION

2.1 Hazards

Classification of the substance or mixture

Hazard Statements:

- H302 – Harmful if swallowed
- H318 – Causes serious eye damage
- H410 – Very toxic to aquatic life with long lasting effects

Precautionary Statements:

- P264 – Wash hands and forearms thoroughly after handling
- P280 – Wear eye protection, face protection, protective gloves, protective clothing
- P305+P351+P338 – If in eyes: Rinse cautiously with copious amounts of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 – Immediately call a POISON CENTER or doctor

Hazard Symbols



Signal Word

DANGER!

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Composition			
Chemical Name	Identifiers	%	LD50/LC50
Polyphosphoric acid, sodium salt	CAS: 10124-56-8	> 50	Oral-Rat LD50 • 3053 mg/kg
Sodium Hydrogen Sulfate	CAS: 7681-38-1	<50	Oral-Rat LD50 • 2800 mg/kg
Zinc Sulfate	CAS: 7733-02-01	<50	No Data Available

SECTION 4: FIRST AID MEASURES

4.1 Eye Exposure

- Immediately flush eyes with copious amounts of water, occasionally lifting both upper and lower eyelids. If irritation persists contact a physician.

4.2 Skin Exposure

- Rinse with water for 5 minutes. Remove and wash any clothing exposed to the solution before reuse. If irritation and swelling persist, seek medical attention.

4.3 Inhalation

- Remove from further exposure. Expose individual to fresh air. If not breathing, give proper artificial respiration. If breathing is difficult, trained personnel should administer oxygen. Seek immediate medical attention.

4.4 Ingestion

- If victim is conscious and alert give 2-3 glasses of water or milk. **Do Not** induce vomiting. Do not give anything to drink to an unconscious person. Do not leave victim unattended. To prevent aspiration, lay victim on side with head lower than waist. Vomiting may occur simultaneously. Seek immediate medical attention.

4.5 Most Important Symptoms/Effects; Acute and Delayed

Potential Acute Health Effects

Eye Contact
Inhalation
Skin Contact
Ingestion

- Causes serious eye damage
- Inhalation of dust may irritate nose, throat and/or lungs
- Prolonged exposure may cause skin irritation
- Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.

Over-exposure Signs/Symptoms

Eye Contact	• Adverse symptoms may include the following: pain, watering, redness
Inhalation	• No known significant effects or critical hazards.
Skin Contact	• Adverse symptoms may include the following: pain or irritation, redness, blistering (if repeated exposure)
Ingestion	• Adverse symptoms may include the following: stomach pains

4.6 Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

Notes to Physician	• Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific Treatments	• No specific treatment
Protection of First-aiders	• No action shall be taken involving any personal risk without suitable training

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing Media**

Suitable Extinguishing Media	• Not combustible. Use extinguishing media suitable for surrounding fire.
Unsuitable Extinguishing Media	• None known

5.2 Special Hazards

Unusual Fire and Explosion Hazards	• No specific fire or explosion hazards.
Special Fire Fighting Procedures	• No special measures required.
Special Protective Equipment for Fire Fighters	• Wear appropriate protection equipment and self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal Precautions, Protective Equipment & Emergency Procedures**

Personal Precaution	• Do not touch or walk through spilled material.
Emergency Procedures	• Keep unauthorized personnel away.

6.2 Methods and Material for Containment and Cleaning Up

Containment/Clean-up

- Sweep or vacuum up and place in appropriate closed container. Avoid dispersal of dust in the air. **LARGE SPILLS:** Cover powder with plastic sheet or tarp to minimize spreading.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handling

- Avoid contact with skin, eyes, clothing and mucous membranes. Wear protective clothing. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Use in a well-ventilated area.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage

- Store in a cool, dry location away from direct sunlight and source of heat. Store away from incompatible materials. (See Section 10)

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits/Guidelines

- No exposure limits were found for this product or any of its ingredients.

Engineering Measures/Controls

- Dilution ventilation. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

8.2 Personal Protections

Respiratory Protection

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Skin Protection

- Where direct contact is likely, wear neoprene chemical resistant gloves and a protective apron or chemical suit if necessary.

Eye Protection

- Wear eye protection.

Body Protection

- A rubber apron or other impermeable body protection is suggested. Full body chemical protective clothing is recommended for emergency response procedures.

Ventilation Protection

- Not required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Appearance	• White Powder/Granular
Odor	• None

9.2 Important Health Safety and Environmental Information

pH 1% Solution:	• Less than 2.5
Melting/Freezing Point:	• 177°C
Boiling Point/ Range:	• No Data
Flash Point:	• No Data
Evaporation Rate:	• No Data
Flammability (solid, gas):	• No Data
Flammability	• No Data
Explosive Limits:	• No Data
Vapor Pressure:	• No Data
Vapor Density:	• No Data
Relative Density:	• No Data
Solubility (ies):	• 1.5 – 2.5#/gallon
Partition Coefficient:	• No Data
Auto-ignition Temperature:	• No Data
Decomposition Temperature:	• No Data
Viscosity:	• No Data
Product Density:	• 68 – 75#/ft ³

SECTION 10: STABILITY AND REACTIVITY

10.1 Chemical Stability

- Stable under normal ambient conditions of temperature and pressure.

10.2 Conditions to Avoid

- Dusting conditions, extreme humidity

10.3 Incompatible Materials

- Strong oxidizing agents

10.4 Hazardous Decomposition Products

- Toxic fumes of PO_x may be emitted if decomposition temperature is reached. Oxides of sodium; oxides of phosphate.

10.5 Hazardous Polymerization

- Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity Estimates

	CAS #	Route	Species	LD50	Target Organs
Polyphosphoric Acid, sodium salt	68915-31-1	Ingestion/Oral	Rat	3053 mg/kg	No Data
Sodium Hydrogen Sulfate	7681-38-1	Ingestion/Oral	Rat	2800 mg/kg	No Data
Zinc Sulfate	7446-19-7	Ingestion/Oral	Rat	No Data	No Data

GHS Properties	Classification
Acute Toxicity	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin Corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin Sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory Sensitization	OSHA HCS 2012 • Classification criteria not met
Serious Eye Damage/Irritation	OSHA HCS 2012 • Classification criteria not met

11.2 Potential Health Effects

Inhalation

- Acute (Immediate) • Exposure to dust may cause irritation.
- Chronic (Delayed) • No data available.

Skin

- Acute (Immediate) • May cause mild irritation. Exposure to dust may cause mechanical irritation.
- Chronic (Delayed) • No data available.

Eye

- Acute (Immediate) • May cause mild irritation. Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.
- Chronic (Delayed) • No data available.

Ingestion

- Acute (Immediate) • Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.
- Chronic (Delayed) • No data available.

Carcinogenic Effects

- This product does not contain any ingredient designed by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability	• No Data Found
Ecotoxicity	• No Data Found
Biological Oxygen Demand (BOD5)	• No Data Found
Chemical Oxygen Demand	• No Data Found
Additional Ecological Information	• The phosphate component of this product may act as a plant nutrient causing eutrofication.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Product Waste**

- In case of spill, contain material and call local authorities for emergency assistance. Collect in appropriate containers. Dispose of all waste in accordance with appropriate Federal, State and local regulations.

13.2 Container Disposal

- State and local requirements for container disposal often differ with Federal laws. Consult local authorities regarding proper disposal of drums and containers.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name	• Not Applicable
DOT Hazard Class	• Not Applicable
U.N. Number	• Not Applicable
Reportable Quantity (RQ)	• 5,000#
Packaging Group	• Not Applicable

SECTION 15: REGULATORY INFORMATION**U.S. Federal Regulations**

Chemical Inventory Status – Part 1:

Ingredient	CAS #	TSCA	EC
Zinc Sulfate	7733-02-0	Yes	Yes
Sodium Bisulfate	7681-38-1	Yes	Yes

		SARA 302		SARA 313	
Ingredient	CAS #	RQ	TPQ	List	Chemical Catg.
Zinc Sulfate	7733-02-0	No	No	Yes	Yes (Zinc compounds)
Sodium Bisulfate	7681-38-1	No	No	No	No

Ingredient	CAS #	CERCLA	RCRA	TSCA 8(d)
Zinc Sulfate	7733-02-0	Yes (RQ = 1000 lbs)	No	No
Sodium Bisulfate	7681-38-1	No	No	No

Ingredient	CAS #	CWC	TSCA 12 (b)	SARA 311/312
Zinc Sulfate	7733-02-0	No	No	10,000 lbs
Sodium Bisulfate	7681-38-1	No	No	10,000 lbs

Ingredient	CAS #	Acute	Chronic	Fire	Pressure	Reactivity	Mixture/Solid
Zinc Sulfate	7733-02-0	Yes	Yes	No	No	No	Mixture
Sodium Bisulfate	7681-38-1	Yes	Yes	No	No	No	Mixture

CAS# 7733-02-0 is found on the following state right to know lists: California, New Jersey, Pennsylvania, and Massachusetts.

CAS# 7681-38-1 is found only on the following NJ right to know list.

SECTION 16: OTHER INFORMATION

Preparation Date: 01/01/2014

Last Revision Date: 06/01/2015

Disclaimer/Statement of Liability

• The information herein is given in good faith but no warranty, expressed or implied, is made.



OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of
NSF/ANSI Standard 60 - Drinking Water Treatment Chemicals - Health Effects

This is the Official Listing recorded on March 15, 2017.

Shannon Chemical Corp.
P.O. Box 376
Malvern, PA 19355
610-363-9090

Facility: Exton, PA

Chemical/
Trade Designation

Function

Max Use

Blended Corrosion Inhibitor

SHAN-NO-CORR Lead Free
SNC-4442

Corrosion & Scale Control
Corrosion & Scale Control
Sequestering

14.8 mg/L
13 mg/L

SNC-Lead Free

Corrosion & Scale Control

14.8 mg/L

SNC-N2

Corrosion & Scale Control

10 mg/L

SNC-NO LEAD

Corrosion & Scale Control

14.8 mg/L

Blended Phosphates

SLI-1226

Corrosion & Scale Control

27 mg/L

SLI-5215

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5225

Corrosion & Scale Control

26 mg/L

Sequestering

SLI-5230

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5240

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5250

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5260

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5270

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5275

Corrosion & Scale Control

30 mg/L

Sequestering

SLI-5285

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5370

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-5385

Corrosion & Scale Control

28 mg/L

Sequestering

SLI-7150

Corrosion & Scale Control

30 mg/L

SLI-7275

Corrosion & Scale Control

30 mg/L

Sequestering

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.



SLI-7425	Corrosion & Scale Control Sequestering	28	mg/L
SLI-7450	Corrosion & Scale Control Sequestering	28	mg/L
SLI-7575	Corrosion & Scale Control Sequestering	36	mg/L
SLI-B	Corrosion & Scale Control	27	mg/L
SLI-DP	Corrosion & Scale Control	30	mg/L
SLI-HP	Corrosion & Scale Control Sequestering	30	mg/L
SLI-K200	Corrosion & Scale Control Sequestering	36	mg/L
SNC-1226	Corrosion & Scale Control	14	mg/L
SNC-5210	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5220	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5225	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5230	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5240	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5250	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5270	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5275	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5295	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5420	Corrosion & Scale Control Sequestering	10	mg/L
SNC-5520	Corrosion & Scale Control Sequestering	10	mg/L
SNC-7220	Corrosion & Scale Control Sequestering	12	mg/L
SNC-7435	Corrosion & Scale Control Sequestering	10	mg/L
SNC-HW	Corrosion & Scale Control	10	mg/L
SNC-RS2	Corrosion & Scale Control	10	mg/L
SNC-TYPE B	Corrosion & Scale Control	10	mg/L
Citric Acid [2] [3]			
SE-CA-50	Membrane Cleaner	N/A	
	Well Cleaning Aid		
Hydrofluosillicic Acid			
SE-1900 L-25	Fluoridation	6	mg/L
Miscellaneous Corrosion Chemicals			
SHAN-NO-CORR [ZN]	Corrosion & Scale Control	10	mg/L
SHAN-NO-CORR Plus, SNC + [ZN]	Corrosion & Scale Control	10	mg/L

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SHAN-NO-CORR TYPE L [ZN]	Corrosion & Scale Control	20	mg/L
SHAN-NO-CORR TYPE N [ZN]	Corrosion & Scale Control	10	mg/L
SHAN-NO-CORR-ZOP [ZN]	Corrosion & Scale Control	10	mg/L
SLI-333 [ZN]	Corrosion Control	25	mg/L
SLI-444 S	Corrosion & Scale Control	25	mg/L
SNC-444	Corrosion & Scale Control	10	mg/L
SNC-444 S	Corrosion & Scale Control	18.6	mg/L
SNC-ZOP 123 [ZN]	Corrosion & Scale Control	11	mg/L
SNC-ZOP 321 [ZN]	Corrosion & Scale Control	11	mg/L
Miscellaneous Treatment Chemical			
RSC-100X [1]	Ion Exchange Supplement	750	mg/L
Monosodium Orthophosphate			
SLI-5179	Corrosion Control	25	mg/L
SLI-SE 100	Corrosion Control	25	mg/L
SNC-5179	Corrosion & Scale Control	12.6	mg/L
	Sequestering		
SNC-MSP	Corrosion & Scale Control	12.6	mg/L
	Sequestering		
Phosphoric Acid			
SLI-PHOS 36	Corrosion & Scale Control	25	mg/L
SLI-PHOS 50	Corrosion & Scale Control	20.5	mg/L
SLI-PHOS 75	Corrosion & Scale Control	12	mg/L
Potassium Permanganate [PO]			
SE-3955 C	Disinfection & Oxidation Oxidant	50	mg/L
SE-3955 F	Disinfection & Oxidation Oxidant	50	mg/L
SE-3955 N	Disinfection & Oxidation Oxidant	50	mg/L
Sodium Acid Pyrophosphate			
SNC-318	Corrosion & Scale Control	12	mg/L
SNC-5185	Corrosion & Scale Control	12	mg/L
Sodium Permanganate [PO]			
SE-2355-10	Disinfection & Oxidation Oxidant	352	mg/L
SE-2355-15	Disinfection & Oxidation Oxidant	234	mg/L
SE-2355-20	Disinfection & Oxidation Oxidant	176	mg/L
SE-2355-25	Disinfection & Oxidation Oxidant	140	mg/L
SE-2355-40	Disinfection & Oxidation Oxidant	88	mg/L
Sodium Polyphosphates, Glassy			
SHAN-O-PHOS	Corrosion & Scale Control	10.7	mg/L
	Sequestering		
SLI-5125	Corrosion & Scale Control	42.8	mg/L
	Sequestering		
SLI-5130	Corrosion & Scale Control	35.6	mg/L
	Sequestering		

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SLI-5135	Corrosion & Scale Control Sequestering	30.5	mg/L
SLI-5140	Corrosion & Scale Control Sequestering	26.7	mg/L
SLI-5145	Corrosion & Scale Control Sequestering	23.8	mg/L
SLI-5150	Corrosion & Scale Control Sequestering	21.4	mg/L
SLI-5155	Corrosion & Scale Control Sequestering	19.5	mg/L
SLI-5160	Corrosion & Scale Control Sequestering	17.8	mg/L
SLI-Quest 25	Corrosion & Scale Control Sequestering	42.8	mg/L
SLI-Quest 30	Corrosion & Scale Control Sequestering	35.6	mg/L
SLI-Quest 35	Corrosion & Scale Control Sequestering	30.5	mg/L
SLI-Quest 40	Corrosion & Scale Control Sequestering	26.7	mg/L
SLI-Quest 45	Corrosion & Scale Control Sequestering	23.8	mg/L
SLI-Quest 50	Corrosion & Scale Control Sequestering	21.4	mg/L
SLI-Quest 55	Corrosion & Scale Control Sequestering	19.5	mg/L
SLI-Quest 60	Corrosion & Scale Control Sequestering	17.8	mg/L
SNC-5190	Corrosion & Scale Control Sequestering	10.7	mg/L
Sodium Tripolyphosphate			
SHAN-O-POLY	Corrosion & Scale Control Sequestering	12	mg/L
SNC-5177	Corrosion & Scale Control Sequestering	12	mg/L
Tetrapotassium Pyrophosphate			
SLI-6120	Corrosion & Scale Control Sequestering	30	mg/L
SLI-6134	Corrosion & Scale Control Sequestering	22.5	mg/L
SLI-K100	Corrosion & Scale Control Sequestering	30	mg/L
SLI-KPHOS	Corrosion & Scale Control Sequestering	22.5	mg/L
SNC-6157	Corrosion & Scale Control Sequestering	14	mg/L
SNC-KPHOS	Corrosion & Scale Control Sequestering	14	mg/L
Zinc Chloride [ZN]			
SLI-2125	Corrosion & Scale Control	15	mg/L
SLI-2150	Corrosion & Scale Control	8	mg/L

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SLI-2162	Corrosion & Scale Control	6	mg/L
Zinc Orthophosphate [ZN]			
SLI 3535	Corrosion & Scale Control	24	mg/L
SLI 4217	Corrosion & Scale Control	28	mg/L
SLI 5050	Corrosion & Scale Control	17	mg/L
SLI-1010	Corrosion & Scale Control	20	mg/L
SLI-1021	Corrosion & Scale Control	22	mg/L
SLI-1521-C	Corrosion & Scale Control	22	mg/L
SLI-2020	Corrosion & Scale Control	10	mg/L
SLI-321	Corrosion & Scale Control	10	mg/L
SLI-321L	Corrosion & Scale Control	10	mg/L
SLI-5024	Corrosion & Scale Control	16	mg/L
SLI-5210	Corrosion & Scale Control	20	mg/L
SLI-5215	Corrosion & Scale Control	40	mg/L
SLI-5216	Corrosion & Scale Control	29	mg/L
SLI-5217	Corrosion & Scale Control	28	mg/L
SLI-5218	Corrosion & Scale Control	25	mg/L
SLI-5219	Corrosion & Scale Control	22	mg/L
SLI-7215	Corrosion & Scale Control	28	mg/L
SLI-932	Corrosion & Scale Control	26	mg/L
SLI-939	Corrosion & Scale Control	25	mg/L

- [1] This product is designed to be used in conjunction with ion exchange resins for the purpose of reducing radium from drinking water.
- [2] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.
- [3] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.
- [PO] The finished drinking water shall be monitored to ensure that levels of manganese do not exceed 0.05 mg/L.
- [ZN] Based on an evaluation of health effects data, the level of zinc in the finished drinking water shall not exceed 2.0 mg/L.

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