

**BID NO. 50-104439 - ONE YEAR CONTRACT TO SUPPLY VARIOUS
CHEMICALS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC
WORKS – WATER.**

BID SPECIFICATIONS FOR CHEMICALS
LIQUID AMMONIA, ZINC SODIUM HEXAMETAPHOSPHATE, BULK
POLYDADMAC POLYELECTROLYTE CLARIFLOC, AMMONIUM HYDROXIDE
SOLUTION, POWDERED ACTIVATED CARBON, LIQUID CHLORINE,
FLUROSILICIC ACID, AND LIQUID ALUMINUM SULFATE

CONTRACTS WILL END 12/31/2013

SPECIFICATIONS FOR (BULK LIQUID AMMONIA)

A. THE LIQUID AMMONIA MUST BE CERTIFIED FOR USE IN DRINKING WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60.

B. THE VENDOR MUST PROVIDE FOR THE TRANSFER OF THE BULK LIQUID AMMONIA VIA HIS OWN HOSES AND TRUCK MOUNTED TRANSFER PUMP. VENDOR'S HOSE CONNECTIONS MUST BE COMPATIBLE WITH THE 1-1/4 INCH AMCE ADAPTOR ON OUR TANKS. VENDORS MUST VERIFY COMPATIBILITY OF THEIR HOSE CONNECTIONS WITH OUR TANKS BEFORE BIDDING (CONTACT PLANT SUPERINTENDANTS AT 504-838-4398 FOR EASTBANK AND 504-349-5085 FOR WESTBANK). THE AMMOINIA WILL BE PLACED INTO THE STORAGE TANKS AT EACH WATERWORKS LOCATION BY THE DELIVERY DRIVER AND WILL BE SUPERVISED BY THE APPROPRIATE WATERWORKS PERSONNEL.

C. THE AMMONIA VENDOR SHALL PROVIDE AN ANNUAL AMMONIA SAFETY TRAINING PROGRAM AT EACH WATERWORKS FACILITY AS PART OF THE CONTRACT OBLIGATION AT NO ADDITIONAL CHARGE.

SPECIFICATIONS FOR (ZINC SODIUM HEXAMETAPHOSPHATE)

A. THE ZINC SODIUM HEXAMETAPHOSPHATE BID MUST BE EQUIVALENT TO VIRGINIA CHEMICAL VIR CHEM 937, SHANNON CHEMICAL SHAN-NO-COR, OR CALGON C-8 OR C-9, CONTAINING NO LESS THAN 65% AS PHOSPHATE AND 6.5% AS ZINC; MUST BE A FREE-FLOWING GRANULAR MATERIAL SIZED SUCH THAT AT LEAST 75% WILL PASS A 10 MESH SIEVE AND WILL BE RETAINED ON A 80 MESH SIEVE; AND MUST BE SOLUBLE UP TO 3 LB/GAL OF COLD TAP WATER AND REMAIN FREE OF PRECIPITATES FOR AT LEAST 5 DAYS AFTER PREPARATION. PRODUCTS REQUIRING HOT WATER

FOR SOLUTION PREPARATION ARE NOT ACCEPTABLE.

B. THE ZINC SODIUM HEXAMETAPHOSPHATE MUST BE CERTIFIED FOR USE IN DRINKING WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60.

C. A TECHNICAL INFORMATION SHEET INDICATING THE PERCENT COMPOSITION OF ACTIVE INGREDIENTS MUST ACCOMPANY EACH BID. THE BID AWARD WILL BE BASED UPON THE LOWEST PRICE PER TON OF THE PRIMARY ACTIVE INGREDIENT, METAPHOSPHATE (P205).

D. THE ZINC SODIUM HEXAMETAPHOSPHATE MUST BE SUPPLIED IN 50 LB PAILS (OR EQUIVALENT, I.E. PLASTIC COATED BAGS), WHICH ARE PROPERLY PALLETIZED ON WOODEN PALLETS SUCH THAT UNLOADING CAN BE PROMPTLY ACCOMPLISHED BY WATERWORKS PERSONNEL USING THEIR FORKLIFT.

**SPECIFICATIONS FOR (BULK POLYDADMAC POLYELECTROLYTE
CLARIFLOC C-308P)**

A. THE POLYDADMAC (POLYDIALLYLDIMETHYLAMMONIUM CHLORIDE) BID MUST BE ONE OF THE FOLLOWING:

POLYDYNE C-308P, CYTEC INDUSTRIES 587-C, CHEMLINK PER CHEM 550, NALCO 8792, G.S. ROBIN 120, CPS CHEMICAL AGEFLOC WT-20HV, CALLAWAY CHEMICAL JAY FLOC 842, CITICHEM CHEMFLOC 615, OR CALGON CAT-FLOC T, T2, L OR LS.

B. THE POLYDADMAC SHALL HAVE A SPECIFIC GRAVITY OF 1.03-1.05 G/ML, A VISCOSITY LESS THAN 300 CPS AT 25 DEGREES, A SHELF LIFE OF 12-24 MONTHS, AND FREEZING POINT OF MINUS 5 DEGREES C.

C. THE POLYDADMAC MUST MEET THE REQUIREMENTS OF THE LATEST VERSION OF AMERICAN WATER WORKS ASSOCIATION STANDARD B451 AND MUST BE CERTIFIED FOR USE IN DRINKING WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60 TO A DOSAGE OF 10 MG/L.

D. EACH VENDOR MUST BID ONLY ONE POLYDADMAC PRODUCT, CLEARLY INDICATING THE PRODUCT NAME ON THE BID. A TECHNICAL INFORMATION SHEET ON THE PRODUCT BID AWARD WILL BE BASED UPON THE LOWEST PRICE PER TON OF

ACTIVE INGREDIENT.

E. SHIPPERS MUST PROVIDE THE NECESSARY PROPERLY SIZED EQUIPMENT TO QUICKLY UNLOAD THEIR PRODUCT INTO THE DESIGNATED STORAGE TANKS AT THE DELIVERY SITE.

SPECIFICATIONS FOR (AMMONIUM HYDROXIDE SOLUTION)

A. THE 29.4% AMMONIUM HYDROXIDE SOLUTION MUST BE CERTIFIED FOR USE IN DRINKING WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60.

B. THE BID PRICE OF THE AMMONIUM HYDROXIDE SHALL INCLUDE ANY AND ALL FEES ASSOCIATED WITH DRUM RETURN, SUCH AS ENVIRONMENTAL OR CLEANING FEE.

C. SHIPPERS MUST PROVIDE NECESSARY PROPERLY SIZED EQUIPMENT TO QUICKLY UNLOAD THEIR PRODUCT AT THE DELIVERY SITE.

SPECIFICATIONS FOR (BULK POWDERED ACTIVATED CARBON FOR BROAD SPECTRUM)

A. THE POWDERED ACTIVATED CARBON MUST MEET THE REQUIREMENTS OF THE LATEST VERSION OF AMERICAN WATER WORKS ASSOCIATION STANDARD B600, MUST HAVE A PHENOL VALUE OF 1.8 - 3.2 G/L, AND MUST BE CERTIFIED FOR USE IN DRINKING WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60.

B. EACH VENDOR MUST BID ONLY ONE PAC PRODUCT, CLEARLY INDICATING THE PRODUCT NAME ON THE BID. A TECHNICAL INFORMATION SHEET ON THE PRODUCT BID MUST ACCOMPANY THE BID.

C. SHIPPERS MUST PROVIDE THE NECESSARY PROPERLY SIZED EQUIPMENT TO QUICKLY UNLOAD THEIR PRODUCT INTO THE DESIGNATED STORAGE TANKS AT THE DELIVERY SITE.

SPECIFICATIONS FOR (LIQUID CHLORINE)

A. THE LIQUID CHLORINE MUST MEET THE REQUIREMENTS OF THE LATEST VERSION OF AMERICAN WATER WORKS ASSOCIATION STANDARD B301 AND MUST BE CERTIFIED FOR USE IN DRINKING

WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60.

B. A COMPREHENSIVE QUALITY TRACKING PROGRAM (QTP) MUST BE SUBMITTED BY THE SUPPLIER WITH THE BID PROPOSAL AND ANNUALLY THEREAFTER. THE QTP MUST ADDRESS THE REQUIRED CHLORINE PURITY SPECIFICATIONS AND INCLUDE DOCUMENTATION AND REPORTING PROTOCOLS TO INSURE CHLORINE CYLINDER INTEGRITY.

C. CHLORINE CYLINDER VALVES MUST BE PROPERLY ALIGNED AND THE VALVE THREADS MUST BE IN GOOD CONDITION UPON RECEIPT. OTHERWISE THE CYLINDER WILL BE REJECTED AND RETURNED TO THE VENDOR.

D. THE CHLORINE VENDOR SHALL PROVIDE AN ANNUAL CHLORINE SAFETY TRAINING PROGRAM AT EACH WATER WORKS FACILITY AS PART OF THE CONTRACT OBLIGATION AT NO ADDITIONAL CHARGE.

E. SHIPPERS MUST PROVIDE THE NECESSARY EQUIPMENT TO QUICKLY UNLOAD ONE TON CYLINDERS AT THE DELIVERY SITE AND PICK UP EMPTY CYLINDERS. ANY COST ASSOCIATED WITH THE PICK UP AND RETURN OF EMPTY CYLINDERS SHALL BE INCLUDED IN THE BID PRICE.

SPECIFICATIONS FOR (FLUOROSILICIC ACID)

A. THE FLUOROSILICIC ACID MUST MEET THE REQUIREMENTS OF THE LATEST VERSION OF AMERICAN WATER WORKS ASSOCIATION STANDARD B703 AND MUST BE CERTIFIED FOR USE IN DRINKING WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60.

B. THE BID PRICE OF THE FLUOROSILICIC ACID SHALL BE MADE ON A 100% DRY BASIS SUCH THAT A SHIPMENT OF 25% FLUOROSILICIC ACID SHALL BE PAID AT A RATE OF 25% OF THE BID PRICE. A CERTIFIED ANALYSIS INDICATING THE PERCENTAGE FLUOROSILICIC ACID MUST ACCOMPANY EACH SHIPMENT.

C. SHIPPERS MUST PROVIDE THE NECESSARY PROPERLY SIZED EQUIPMENT TO QUICKLY UNLOAD THEIR PRODUCT INTO THE DESIGNATED STORAGE TANKS AT THE DELIVERY SITE.

D. IN THE EVENT THAT ANY COMMODITY SOUGHT IN THIS BID IS THE SUBJECT OF A NATIONWIDE PRODUCT SHORTAGE WHICH CAN BE VERIFIED BY JEFFERSON PARISH, THEN JEFFERSON PARISH WILL

AGREE TO SUSPEND THE OBLIGATION OF THE VENDOR TO SUPPLY THAT COMMODITY DURING ANY PERIOD OF ITS UNAVAILABILITY. PRICE IS BASED ON 100 % ACIDITY ADJUSTED BASIS AND 20 TON MINIMUM RELEASES.

SPECIFICATIONS FOR **(LIQUID ALUMINUM SULFATE)**

- A. THE LIQUID ALUMINUM SULFATE MUST BE APPROXIMATELY 48.5% BY WEIGHT DRY ALUMINUM SULFATE ($Al_2(SO_4)_3 \cdot 14H_2O$, MW=594) AND MEET THE REQUIREMENTS OF THE LATEST VERSION OF AMERICAM WATER WORKS ASSOCIATION STANDARD B403, AND MUST BE CERTIFIED FOR USE IN DRINKING WATER UNDER NATIONAL SANITATION FOUNDATION STANDARD 60.
- B. THE BID PRICE OF THE LIQUID ALUMINUM SULFATE SHALL BE MADE ON A 100% DRY BASIS SUCH THAT A SHIPMENT OF 48.5% LIQUID ALUMINUM SULFATE SHALL BE PAID AT A RATE OF 48.5% OF THE BID PRICE. A CERTIFIED ANALYSIS INDICATING THE PERCENTAGE LIQUID ALUMINUM SULFATE MUST ACCOMPANY EACH SHIPMENT.
- C. SHIPPERS MUST PROVIDE THE NECESSARY PROPERLY SIZED EQUIPMENT TO QUICKLY UNLOAD THEIR PRODUCT INTO THE DESIGNATED STORAGE TANKS AT THE DELIVERY SITE.
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