

SPECIAL INSTRUCTIONS AND DELIVERY REQUIREMENTS
2018-19 YEAR

General Notes:

Specific NOTES Regarding Sodium Hypochlorite:

All Sodium Hypochlorite (bleach) shall be filtered using DE or by using an alternative process that meets or exceeds the indicated process.

Because of the concern for degradation of Sodium Hypochlorite Solutions to Chlorates, an alternative bid for refrigerated bulk storage and delivery, as well as certification of chlorate concentration is included in this year's bid package. Members may also request details of "time in storage and delivery" as part of product certification.

Member Utilities have the right to test delivered strength of ALL LIQUID SOLUTIONS and adjust payment based on delivered strength.

Many products are delivered in gallons but are being bid in Wet LBS. Important to pay specific attention to units required in BID FORM.

Any chlorine cylinders (150 or 2000 lb.) supplied shall have the accurate tare weight CLEARLY LABELLED in pounds on each cylinder's upper section and must be removed as soon as possible if the end user experiences a defective valve. Full credit must be given for returned unusable cylinders.

Chemical Delivery Vendors are responsible for removal of drip buckets used to catch any chemical that may drip due to leaks in seals on hoses and attachments.

Upon request, chemical distributors must supply members updated OSHA Compliant SDS and GHS labels and associated MDS data sheets.

Updated Pictograms will be required by a majority of our membership for low bid vendors.

Members may require a *Chemical Delivery Inspection Form* to be filled out with vendor driver at time of delivery (See Appendix A. at end of this section) for copy of form.

Interested potential vendors for Polyaluminum Chloride are required to pre-qualify their product using raw untreated water in both warm (summer) and cold (winter) water temperature conditions in a demonstration study, including but not limited to jar testing, to be conducted onsite and to be overseen by member's representative. All costs associated with this process shall be absorbed by the vendor/supplier.

Individual Towns

ACTON WATER DISTRICT:

Bulk Chemical Deliveries to Three Separate Sites
Dry Chemical Deliveries to Two Separate Sites
Drum and Pallet Deliveries by Truck with Hydraulic Lift Gate
A District Operator Must be Present During Deliveries
Call to District Main Office – (978) 263-9107. Must be made at Least 1 Hour Prior to Arrival
All Deliveries Must be Made Between 7:30 AM and 2:00 PM
All Hoses, Fittings etc. Must be Supplied by the Delivery Vendor for Product Offloading.

ANDOVER WATER TREATMENT:

Special instructions will be issued to the vendors when orders are placed.
Plant personnel will be present at all deliveries.
Sodium hypochlorite will be delivered to two (2) sites, the Water Treatment Plant & Fish Brook Station.
Deliveries must be received between 7:00 am and 3:00 p.m. on the day of delivery.
All drivers to display identification at chemical delivery.

ASHLAND WATER DEPARTMENT:

Tank truck delivery for sodium hydroxide, zinc orthophosphate, ferric chloride and polymer shall be pressurized air only to two inch quick connect female fittings.
Ammonium sulfate delivered on pallet, 40 – 50# bags.
Potassium permanganate delivery of 5/ 55 lb. pails.
Soda ash delivered in super sacks approximately 6 per delivery.
Liquid Oxygen to be delivered in 5,000 gallon quantities for total of approximately 35,000 gallons for the year.
All pallet deliveries shall be able to be off loaded by pallet jack.
All deliveries before 1:00 pm.
All Applicable AWWA and NSF/ANSI Standard 60 for drinking water specifications will be met for all delivered chemicals and a certificate of analysis and a certified weight ticket must accompany each delivery. The vendor must supply all hoses and fittings necessary to offload product.
150 Lb. chlorine cylinder deliveries must have lift gate.

AYER WATER and WASTEWATER DEPARTMENTS:

All deliveries between 7am and 1pm. For Sodium Hypochlorite and Potassium Hydroxide a pressurized with air 2 inch hose with quick connectors are required. Call ahead at 772-8240 for deliveries , all deliveries must supervised by Water Department personnel. Certificate of analysis and MSDS must be provided. Potassium Permanganate shall be free flowing grade in #5 pails. Potassium Hydroxide 45% delivered in bulk, split deliveries 2 sites. Sodium Hypochlorite delivered in bulk, Split deliveries 2 sites. All chemicals must meet AWWA standards.

BILLERICA WATER TREATMENT PLANT:

All applicable AWWA and NSF/ANSI Standard 60 for drinking water specifications will be met for all delivered chemicals.

A Certificate of Analysis and a certified weight ticket must accompany each delivery and must be signed off by the Duty Operator before off –loading.

The vendor must supply all hoses and fittings necessary to offload product.

Liquid alum must be manufactured from unrefined bauxite ore and sulfuric acid. Aluminum trihydrate based products will not be accepted.

No surcharge for after hours, weekend or holiday deliveries.

Town of Billerica reserves the right to award business to most qualified bidder.

Liquid oxygen requirements are as follows: Dew point -80 degrees F, 0-15 ppm hydrocarbon content filtered through 1 micron filter, argon limited to 3-4%, nitrogen up to 5%.

<u>Chemical</u>	<u>Estimated Quantity</u>	<u>Delivery Amount (maximum)</u>
Alum	150,000 gallons	5,000 gallons
NaOCl	50,000 gallons	3,000 gallons
H ₂ SiF ₆	4,500 gallons	1,000 gallons
NH ₃ (aqueous)	4,000 gallons	1,000 gallons
LOX	150,000 gallons	5,000 gallons
NaOH	60,000 gallons	5,000 gallons

Deliveries will be accepted between 7 AM and 7 PM. Certificate of Analysis required with all deliveries.

BILLERICA WASTEWATER TREATMENT PLANT:

Trucks delivering to the plant cannot be over twelve feet six inches in height.

Sodium Bisulfite must be able to be unloaded to bulk storage tank. Supplier must furnish all equipment necessary for delivery. Sodium Bisulfite must be 38-42% concentration.

A truck with hydraulic tailgate must make all pallet deliveries.

All new vendors should call the treatment plant for special instruction prior to their first delivery.

Sodium Hypochlorite delivery truck must be rear discharge.

All chemical suppliers must be equipped with the proper fitting, connections and hose to properly and safely unload chemical.

If split delivery, must use metered trucks.

ALL Deliveries must be between the hours of 7:00 AM – 1:30 PM, Monday – Friday. Plant Closes at 3:00 PM.

BURLINGTON WATER TREATMENT PLANT:

(Groundwater Plant - 171 Middlesex Street/Mill Pond Plant – 70 Winter Street)

All drum, cylinder, and dry product deliveries require a hydraulic tailgate capable of lowering the delivery to the ground.

A grab sample must be available from all bulk delivered chemicals by delivery personnel, and checked by WTP personnel before the delivery is accepted.

All deliveries shall be made Monday through Friday 7:00 a.m. to 3:00 p.m. Please notify WTP personnel 24 hours prior to delivery. 781-270-1648/rmakiej@burlington.org

All applicable AWWA Standards and ANSI/NSF Standard 60 must be met for ALL Chemicals delivered.

Calcium Nitrate and Calcium Chloride are to be delivered to the Highway Department located at 1 Great Meadow Road.

Polyaluminum Chloride must meet the following specifications:

- 1) AL2O3 = 10.5% +/- .3
- 2) Basicity = 65% to 75%
- 3) Specific Gravity = 1.22 to 1.27

Must meet AWWA standard B-408-93 for liquid polyaluminum chloride.

Must also meet NSF Standard 60 certification for Drinking Water Chemicals.

Vendor/supplier must make delivery within 48 hours of our order placement. Must also be able to provide timely delivery on an emergency basis and possibly on weekends if/when needed.

Based on the importance of this chemicals' performance in our treatment process, interested potential vendors are required to pre-qualify their product using our Raw untreated water in both warm (summer) and cold (winter) water temperature conditions in a demonstration study, including but not limited to jar testing, to be conducted onsite and to be overseen by our consulting engineer. All costs associated with this process shall be paid by the vendor/supplier.

CANOBIE LAKE PARK:

Sodium Hypochlorite deliveries are to 2 separate locations and must arrive by 9:00 AM (except for June they must arrive by 8:00 AM).

Muriatic Acid is 20° Baume delivered in 4 – 1 gallon jugs per box.

All deliveries require a purchase order number prior to delivery

CHELMSFORD WATER DISTRICT:

Potassium hydroxide 45%, 500-1000 gallons - bulk delivery.

Potassium permanganate shall be cairox free flowing grade; delivered on pallets THAT EASILY ACCOMMODATE a hand operated pallet truck. (Pallet - 36/55 lbs. pails). Sodium hypochlorite 15% - delivered in clean 5 gallon containers, minimum of 12-5 gallon containers per delivery. 55 gallon drum containers, minimum of 2 per delivery- bulk 500-1000 gallons. Aluminum sulfate 500 gallon bulk delivery. All dry products and drum deliveries require hydraulic tailgates. Delivery hours are from 7:00am to 2:00pm. No deliveries after 2:00pm. All bids must meet AWWA standards. We reserve the right to accept or reject any and all deliveries at the vendor's expense that do not meet these standards. District personnel must be present at all deliveries.

CONCORD, MA. WATER / SEWER DIVISION:

All applicable AWWA and ANSI/NSF Standard 60 for drinking water specifications will be met for all chemicals delivered.

No deliveries shall be accepted unless requested by Town. The Town must be notified by the firm (and not by the driver) of the name of the driver who will be delivering to our facility. The driver must produce a photo ID before the Town will allow unloading from the truck.

A phone call shall be placed stating an estimated time of arrival at least one hour before delivery to insure that Town personnel can be present for the delivery. All chemical deliveries shall be accompanied by a certificate of analysis, certificate of origin, a bill of lading or a certified weight ticket must accompany each delivery. Town personnel must be present at all deliveries. Liquid deliveries must note the specific gravity of the chemical on the delivery slip.

Deliveries shall only be accepted by the Town between 7:30 AM and 2:00 PM Monday through Friday with the exception of deliveries of Potassium Hydroxide. For all Potassium Hydroxide deliveries,

shipments will only be accepted between 7:30 AM and Noon. All goods shall be delivered within four (4) business days from date of order.

All containers and appurtenance shall be dedicated solely to the chemical that is being delivered. Otherwise a Tank Cleanout Certificate is required with each chemical delivery. Tank trucks shall be equipped with a hatch or other suitable means for drawing sampled for testing directly from the tank. A grab sample of all bulk liquid chemicals must be collected by the driver in the presence of a Town Employee, who will be given up to 15 minutes to verify the quality of the product prior to the start of offloading. The Town reserves the right to accept or reject any and all deliveries at the vendor's expense that do not meet these standards. All delivery vehicles must be equipped with a spill kit to handle a spill of transported chemicals and other potential releases originating from delivery vehicle.

Chlorine delivery site is 300 Great Road in Acton, Massachusetts and is accessible to short-bed trailers only.

Zinc Hexametaphosphate shall be free flowing dry blend with total phosphate and zinc concentrations of 67% (Phosphates P04) and 6.6% Zinc by weight (with <1% Orthophosphate). Bags shall not deviate from the recorded weight by more than 2.5% plus or minus. All bags must be clearly labeled in compliance with the most Recent AWWA standard, satisfy all ANSI/NSF 60 labeling requirements and be clearly labeled with factory/origin of the product.

Sodium fluoride shall be a dry, coarse crystalline material containing no lumps. Bags shall not deviate from the recorded weight by more than 2.5% plus or minus. All bags must be clearly labeled in compliance with the most Recent AWWA standard, satisfy all ANSI/NSF 60 labeling requirements and be clearly labeled with factory/origin of the product

Potassium hydroxide must be delivered to stations and locations in the Town as designated by a representative of the

Water/Sewer Division. Split deliveries to multiple sites shall be required. Each facility is equipped with a steel or PVC bulk storage container, which is filled via a 2-inch threaded fill pipe. Delivery vehicle must supply 20-40 foot delivery hose.

Bulk sodium hypochlorite will be delivered to a facility equipped with a PVC tank and 2" quick connect fill pipe. Delivery vehicle must supply a 20-40 foot delivery hose. **Deliveries shall be provided within one week of manufacture and maintaining chemical temperature below 20 degrees Celsius.**

CONCORD, NH - WATER AND WASTEWATER TREATMENT PLANTS:

DELIVERY REQUIREMENTS FOR WATER AND WASTEWATER PLANTS:

All applicable AWWA and ANSI/NSF Standard 60 for drinking water specifications will be met for all chemicals delivered. A certificate of analysis is to accompany each load. Occasional split load required for caustic and hypochlorite between the water and wastewater plants. Deliveries shall be received 7:30am to 2:00pm Monday thru Friday (except holidays) at the following locations 53 Hutchins Street (water) and 125 Hall Street (wastewater) and 7 Penacook Street (wastewater). When required, delivery trucks must be equipped for pneumatic delivery with proper couplings for unloading.

DELIVERY SLIPS AND INVOICES:

Delivery is not to be made until the City has provided the vendor with a **purchase order number**. Delivery slips are to be provided to the City upon delivery to the water or wastewater plants. Delivery slips shall include the item description, quantity delivered, unit of measure and the **correct City purchase order number**. Invoices are to be submitted as indicated on the purchase order. The invoice must be itemized and include the vendors name, address and contact telephone number, ship to and bill to addresses, date of delivery, item description, quantity delivered, unit of measure, unit and extended

prices, payment terms (to include any prompt payment discounts) and must reference the correct City of Concord purchase order number.

DANVERS WATER TREATMENT PLANT and WELL #2 GREENSAND PLANT:

Tank truck delivery discharge shall be pressurized air only to a 2 inch disconnect male fitting.

Copper sulfate shall be size **D**. ½ - 1" crystals.

The temperature of all liquid materials shall not exceed 130 degrees F.

All fluoride, metaphosphate, ammonium sulfate, and copper sulfate shall be supplied in 50 lb. net, moisture resistant bags or other container approved by the Town of Danvers. All fluorides and ammonium sulfate must be free flowing. Fluoride originating from Brazil will not be accepted.

Zinc orthophosphate shall be Carus 3050 or equal and will be delivered in 50 lb. plastic pails.

Deliveries shall be guaranteed five working days from date of order.

Call ahead 978-774-5054 for delivery and directions.

DOVER NH WATER AND WASTEWATER DEPARTMENTS:

Occasional split load is required. Deliveries shall be received 7:30am to 1:00pm Monday thru Friday (except holidays) City has 8-10 locations within city limits.

DELIVERY SLIPS AND INVOICES:

Delivery is not to be made until the City has provided the vendor with a purchase order number.

Delivery slips are to be provided to the City upon delivery to any city location. Delivery slips shall include the item description, quantity delivered, unit of measure and the correct City purchase order number.

Invoices are to be submitted as indicated on the purchase order. The invoice must be itemized and include the vendors name, address and contact telephone number, ship to and bill to addresses, date of delivery, item description, quantity delivered, unit of measure, unit and extended prices, payment terms (to include any prompt payment discounts) and must reference the correct City of Dover purchase order number.

Delivery will be to various locations within the City of Dover. Vendors must have own pallet jack and/or tail gate lift if delivering drums or barrels. Quantities are estimates based on past usage. A delivery schedule, if required, must be arranged with and agreed to by any department requesting it. Inability to arrive at an acceptable schedule may be cause to negate a bid. When required, delivery trucks must be equipped for pneumatic delivery with proper couplings for unloading.

DRACUT WATER DEPARTMENT:

The special instructions and delivery requirements are shown as follows:

- No chemical deliveries shall be accepted unless requested by the water department.
- All applicable AWW A and ANSI/NSF Standard 60 for drinking water specifications will be met for all chemicals delivered.
- Certificate of Analysis and MSDS to accompany each delivery
- Split Deliveries to 1430 Hildreth Street and/or 170 Frost Road.
- Deliveries shall be received from 8:00 AM to 2:00 PM, Monday – Friday (excluding holidays).
- Calls to District Main Office (978-957-0441) shall be placed with an estimated time of arrival, at least one (1) hour before delivery. District Operator Must be present during deliveries

- All chemical suppliers must be equipped with the proper fittings, connections and hoses to properly and safely unload chemicals. The chemical company will be responsible for clean-up of all spills at their expense.

EAST CHELMSFORD WATER DISTRICT:

Vendor shall call with approximate delivery time, telephone number 978-453-0121 or Cell #978-337-4754 or Pager 978-245-0059. Delivery point is to be water district plant off Canal Street, East Chelmsford MA.

Delivery is to be guaranteed five working days from date of order.

Billing to: East Chelmsford Water District, 75 Canal St., East Chelmsford, MA 01824

ESSEX WATER DEPARTMENT:

All potassium permanganate must be delivered in minimum size 50 lb. drums, up to 330 lb. drums acceptable. Hydrofluosilicic acid only accepted in 55-gallon drums.

Deliveries accepted 7:00 am until 2:30 pm.

FITCHBURG WATER DEPARTMENT:

All chemical deliveries shall be from 7:00 am to 2:00 pm Monday through Friday except holidays. Water department personnel shall be present for all deliveries.

A phone call shall be placed with an estimated time of arrival, at least one (1) hour before delivery to insure that water department personnel shall be present.

Two deliveries: Regional Water Treatment Plant, 18 Hager Park Road, Westminster, MA and the Falulah Water Treatment Plant, 1200 Rindge Road, Fitchburg, MA.

Split loads for these two (2) facilities may be considered for hydrofluosilicic acid, polymer, and polyaluminum chloride.

Sodium Hypochlorite shall be delivered to the Meetinghouse gatehouse, Worcester Road, Westminster, MA. or to other locations as required by the water department.

Deliveries of sodium hypochlorite must be made in a straight truck with a lift gate.

Where there are two quantities mentioned for delivery, the smaller amount will be delivered to Falulah W.T.P. and the larger amount to Regional W.T.P.

Hydrofluosilicic acid, polyaluminum chloride, and sodium hydroxide shall be pneumatically fed with a 2" connection.

All chemical deliveries shall be accompanied with a certificate of analysis, certificate of origin, wash down certificate (if required), a legible MSDS sheet and a bill of lading.

Chlorine cylinders (150 lb.) shall be delivered with lead washers only.

GEORGETOWN WATER DEPARTMENT:

Hours are Monday through Friday from 8:00 am to 2:30 pm. Deliveries will be to 75 West Street or 15 Bailey Lane. These are UNMANNED stations. Please call ahead (978) 352-5750 or (978) 352-5738. Pallet deliveries are made to ground level OR a loading dock with power pallet jack required. Sodium hypochlorite delivery at 75 West Street-Treatment Plant, requires three lengths of hose. Potassium hydroxide 45% in bulk delivery of 600-750 gallons at 15 Bailey Lane or 1,000-1,400 gallons at 75 West Street-Well. Separate tank trailer for delivery. Access is via a 2" fill pipe with quick connects. Bring 2-3 hoses.

GRAFTON WATER DISTRICT:

Delivery of potash shall be made before noon on day of delivery.
Trinity Avenue well and pumping station delivery can only be made with a small truck - no tractor trailers style truck.

GREATER LAWRENCE SANITARY DISTRICT:

Sodium bisulfite: Deliveries less than 70 F will be rejected.
Sodium hypochlorite deliveries must be made within 48 hours of request.
Potassium permanganate shall be delivered in 55-pound containers on pallets if 330-pound drums are not available. (U.S. made only), and free flowing.
For all quantities listed on the bid sheets, these are anticipated not guaranteed quantities.

GROTON WATER DEPARTMENT:

No chemical deliveries shall be accepted unless requested by the water department. The chemical firm must identify the name of the driver providing the delivery at the time the order is placed. The driver must produce a photo I.D. prior to unloading as well as a certificate of analysis. All deliveries are required to call the Water Department (1-978-448-1122) prior to reaching the intended facility destination so that water department staff can accompany the delivery truck and coordinate the offloading of the chemicals requested. Deliveries are to be made between the hours of 8:00 AM and 1:00 PM Monday through Friday. Deliveries at the Baddacook facility shall require a delivery truck smaller than a tanker truck. Deliveries at the Whitney Pond facility will require a minimum of 100 feet of hose for off-loading of potassium hydroxide. **Minimum orders of Potassium Hydroxide at Baddacook or Whitney may be as little as 300 gallons. The Town of Groton shall not be responsible for cost of placing minimum orders.** The Groton Water Department reserves the right to cancel or suspend future chemical deliveries if it is deemed in the best interest of the Town of Groton without prejudice.

GROVELAND WATER/SEWER DEPARTMENT:

Deliveries on Monday through Friday between 8:00 AM and 2:30 PM. Split Deliveries to 183 R. Main Street and/or 476 Main Street. These are Unmanned station, so one must call ahead for deliveries.
Sodium fluoride-50# bags one or two pallets ground level delivery w/ power lift gate required – split delivery.
Sodium hydroxide 25% in bulk delivery of 2,000 gallons is via 25' to a 2" fill pipe with quick connects at 183R Main Street.
Sodium hydroxide 4 – 55 gallon drums via power lift gate and ground delivery to 476 Main Street.
Dry chlorine (HTH) – 3 or 4, 50 lbs. pails, ground level delivery.

HAMILTON WATER DEPARTMENT:

Sodium fluoride shall be course-granulated type in 50 lb. bags.
Sodium hypochlorite shall be delivered in 15 gallon carboys or 55 gallon drums.
It is imperative that all delivery trucks must be straight trucks equipped with a hydraulic tailgate to facilitate unloading.
All deliveries will be to the Water Treatment Plant, 79 Pinetree Drive in Hamilton MA.
Deliveries must be made Monday through Friday between 8:00 am and 3:00 pm.

Prior to delivery please call Dave Dolan (Primary Operator) @ 978-375-3450 or Gail @ 978-468-5581
All chemicals must meet AWWA and all other regulatory standards for use in public drinking waters.

HUDSON WATER DIVISION:

Bulk Chemical Deliveries to Seven Separate Sites

Drum and pallet deliveries by truck with hydraulic lift gate

An operator must be present during Deliveries

Call to Gates Pond WTP (978) 568-9629 must be made 30 minutes prior to arrival.

All Deliveries Must be Made Between 7:30 AM and 1:00 PM

All hoses, fittings etc. must be supplied by the Delivery Vendor for Product Offloading.

Whenever possible, material will be ordered in quantities to consolidate deliveries to multiple sites with one truckload. The Delivery Vendor will allot enough time to accommodate multiple stops as the Town will not accept Demurrage Charges.

Rate of unloading shall be as determined in the field so as not to damage in any way the storage tanks, piping, equipment, etc. Unloading is the responsibility of the supplier.

The supplier is required to provide all necessary hoses and fittings to deliver material to the Town's bulk storage tanks. An additional 100 feet of delivery hose may be needed at some locations.

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

The Owner, prior to delivery, shall identify the specific delivery site(s). Chemicals shall be unloaded using the exterior fill line at each building.

Each prospective bidder shall visit all the delivery sites to determine length of hose or any other equipment they need to unload chemicals.

Liquid Alum must be manufactured from unrefined Bauxite Ore and Sulfuric Acid.

An *Original* Certificate of Analysis and a *Current* Safety Data Sheet (SDS) shall be presented with each delivery.

HUDSON WASTEWATER DIVISION:

SODIUM HYDROXIDE 50% SOLUTION (Caustic Soda):

The Town intends to purchase approximately 155,000 gallons of Sodium Hydroxide for the period from July 1, 2017 to June 30, 2018.

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

The Sodium Hydroxide Solution delivered to the Town of Hudson shall be 50% technical grade and must comply with the requirements of "AWWA Standard for Caustic Soda ANSI/AWWA B501-98".

The actual quantity may increase or decrease in accordance with the operating needs of the wastewater treatment facility. The Town makes no guarantee that a minimum quantity of Sodium Hydroxide will be purchased or consumed during the above stated period. Solely the Town shall determine the application of the Sodium Hydroxide.

Delivery shall be accepted at the Wastewater Treatment Facility (WWTF) in the Department of Public Works Yard at 1 Municipal Drive in Hudson, in full load 4,000 to 5,000 gallon shipments. Delivery shall be made between 7:30a.m. and 2:30p.m.. Delivery trucks must have their own means for off-loading the Sodium Hydroxide and adapting to the quick connect fill line at the WWTF. 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. A current MSDS shall be presented with the initial delivery. An Original Certificate of Analysis shall be presented with each delivery.

SODIUM HYPOCHLORITE 12.5% SOLUTION:

The Town intends to purchase approximately 10,000 gallons of Sodium Hypochlorite for the period from July 1, 2017 to June 30, 2018.

The supplier shall furnish within forty-eight (48) hours of notification sufficient quantities of the product as required by the Town of Hudson.

The Sodium Hypochlorite Solution delivered to the Town of Hudson shall be 12.5% technical and meet AWWA Standard B300-87 (and subsequent revisions).

The actual quantity may increase or decrease in accordance with the operating needs of the wastewater treatment facility. The Town makes no guarantee that a minimum quantity of Sodium Hypochlorite will be purchased or consumed during the above stated period. Solely the Town shall determine the application of the Sodium Hypochlorite.

Delivery shall be accepted at the Wastewater Treatment Facility (WWTF) in the Department of Public Works Yard at 1 Municipal Drive in Hudson, 2,000 gallon shipments. Delivery shall be made between 7:30a.m. and 2:30p.m.. Delivery trucks must have their own means for off-loading the Sodium Hypochlorite and adapting to the quick connect fill line at the WWTF. 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.

A current MSDS shall be presented with the initial delivery.

SODIUM BISULFITE SOLUTION:

The Town intends to purchase approximately 5,600 gallons of Sodium Bisulfite Solution for the period from July 1, 2017 to June 30, 2018.

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

The Sodium Bisulfite Solution delivered to the Town of Hudson shall be 38%-40% technical grade or equivalent. The Sodium Bisulfite must be void of sediment and 100% soluble in water

The actual quantity may increase or decrease in accordance with the operating needs of the wastewater treatment facility. The Town makes no guarantee that a minimum quantity of Sodium Bisulfite will be purchased or consumed during the above stated period. Solely the Town shall determine the application of the Sodium Bisulfite.

Delivery shall be accepted at the Wastewater Treatment Facility (WWTF) in the Department of Public Works Yard at 1 Municipal Drive in Hudson, 800 gallon shipments. Delivery shall be made between 7:30a.m. and 2:30p.m.. Delivery trucks must have their own means for off-loading the Sodium Bisulfite and adapting to the quick connect fill line at the WWTF. 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.

A current MSDS shall be presented with the initial delivery.

HOOKSETT VILLAGE WATER PRECINCT:

All vendors must guarantee delivery within five working days from date of order. Quantities listed on the bid sheets are anticipated not guaranteed quantities. All chemicals must meet the latest revisions of all applicable AWWA / NSF standards (including but not limited to NSF 60/61, AWWA B300 for sodium hypochlorite and AWWA B201 for dense soda ash) for use in potable public drinking water supplies. Deliveries shall be received from 8:30 AM to 2:30 PM Monday through Friday excluding holidays. HVWP

personnel shall be present for all deliveries. Split loads shall be delivered to the South Well (38 Pinnacle Street) and East Well (19 Ardon Street). Vendors are encouraged to visit the delivery sites upon award of the bid to ensure that deliveries can be made with their trucks. Deliveries of drums and palletized chemicals shall be made to ground level from a straight truck equipped with a hydraulic tailgate. Vendor must email security info (including, at a minimum: Driver's name, truck # and chemical names/volumes) PRIOR to delivery, or the delivery will be refused. Vendor shall call HVWP at least 30 minutes prior to driver's arrival. Every delivery must be inspected by HVWP prior to unloading, and the vendor's driver must be able to draw a sample for inspection, if requested by HVWP during the delivery. A Certificate of Analysis (CoA), driver's photo ID and a Safety Data Sheet (SDS) compliant with OSHA's most recent Hazard Communication Standard must be provided by the driver at the time of delivery, along with the Bill of Lading. The pH, specific gravity and water solubility must be shown on the CoA. We reserve the right to accept or reject any and all deliveries at the vendor's expense that do not meet our requirements.

HOOKSETT, NH WASTEWATER PLANT (Sewer Dept.):

A Certificate of Analysis for Sodium Hypochlorite must accompany deliveries.

Sodium Hypochlorite must be delivered from rear of truck.

All chemical suppliers must be equipped with the proper fittings, connections and hoses to properly and safely unload chemical.

All deliveries shall be made Monday – Friday, between 7:30 AM and 3:00 PM.

Sodium Hypochlorite certified to NSF/ANSI Standard 60.

HOLLISTON WATER DEPARTMENT:

All deliveries shall be made between 7:30am – 2 pm, Monday. – Friday.

All Bids must meet AWWA and NSF/ANSI Standards for use in potable water treatment.

Deliveries may be less than 1,000 gallons due to bulk storage tank restrictions.

The vendor must have a pallet jack on the truck to place the pallets at the end of the truck.

A Water Department employee must be present at all deliveries.

Deliveries may include multiple stops per order.

MSDS sheets must accompany the first delivery faxed or emailed ok.

Delivery of drums, containers and bagged chemicals must be on secured pallets.

Quantities listed on the bid sheets are anticipated not guaranteed quantities.

We reserve the right to accept or reject any and all deliveries at the vendor's expense that do not meet our requirements.

All rejected loads shall be at the vendors own expense.

The chemical company will be responsible for clean-up of all spills at their expense.

Town of Holliston reserves the right to award business to most qualified bidder.

All chemical suppliers must be equipped with the proper fitting, connections and hose to safely unload chemical.

Potassium Permanganate to be delivered in 55 pound containers on pallets (U.S. made only) and free flowing.

IPSWICH WATER TREATMENT PLANT:

A ***Certificate of Analysis*** must accompany all chemical deliveries as to the batch delivered. This information may be e-mailed to the W.T.P. just prior to delivery. Splitting of any bulk delivery chemical

shipments with other facilities will not be allowed unless compartmented tankers are used with separate weight slips.

All **treatment chemicals** must meet AWWA / NSF standards (latest revisions), for use in public drinking water supplies.

A **grab sample** must be taken from all bulk delivered chemicals by delivery personnel, and checked by WTP personnel before the delivery is accepted.

All **bulk deliveries** shall be able to be off-loaded by cam & groove quick connect couplings.

All **drum / tote deliveries** shall be able to be off-loaded by pallet jack or drum truck at our loading dock.

Polyaluminum chloride – Shall be Holland PC-H180 or demonstrated equal. Deliveries will only be accepted with product shipped in vendors own dedicated tankers.

Muriatic Acid (15%) – Shall be delivered in 2,600 lb. quantities (TOTE) and off-loaded into bulk storage tank.

Ortho-Polyphosphate – Shall be Carus Aqua-Mag or demonstrated equal.

All deliveries shall be made Monday through Friday between 7:00am and 3:00pm.

Please notify W.T.P. personnel 24 hours prior to delivery.

All new vendors are requested to visit the delivery site prior to the first delivery. All chemical suppliers must be equipped with the proper fittings, connections and hoses to properly and safely unload chemicals.

KEENE, N.H WATER AND WASTEWATER DEPARTMENTS:

DELIVERY REQUIREMENTS FOR WATER AND WASTEWATER PLANTS:

All applicable AWWA and ANSI/NSF Standard 60 for drinking water specifications will be met for all chemicals delivered. A certificate of analysis is to accompany each load.

Specifications for Sodium Bicarbonate are as follows:

For WWTP: Good quality Industrial Grade; no contaminants in toxic amounts may be present.

The product shall be delivered in 50 lb bags, palletized and restrained for stability during shipping (i.e. plastic wrapped, strapped)

Deliveries shall be approximately 40,000 pounds per load.

For the WTF: Product shall meet U.S.P XXIV specifications and applicable AWWA and NSF/ANSI standard 60 for drinking water

Iron content: 5 ppm maximum

Granulation: Cumulative retained on US standard

Screens 60 mesh (250 microns) 20% minimum

100 mesh (149 microns) 65% minimum

170 mesh (88 microns) 95% minimum

Product will be delivered in 50 lb bags, palletized and restrained for stability during shipping (i.e. plastic wrapped, strapped)

Double pallets shall be used to maintain a minimum clear opening of 3.5 inches (vertical) in the bottom pallet for motor driven pallet truck forks.

No pin wheeling of pallets will be allowed.

Deliveries shall be approximately 40,000 pounds per load.

No split deliveries, each facility orders and receives product separately.

DELIVERY SLIPS AND INVOICES:

Delivery slips are to be provided to the City upon delivery to the water or wastewater plants. Delivery slips shall include the item description, quantity delivered, unit of measure. Invoices must be itemized and include the vendors name, address and contact telephone number, ship to and bill to addresses, date of delivery, item description, quantity delivered, unit of measure, unit and extended prices.

LAWRENCE WATER TREATMENT PLANT:

All deliveries are taken Monday through Friday, 7a-3p. Telephone number: 978-620-3594 to get gate opened. Alternate number is 978-836-9082.

LINCOLN WATER DEPARTMENT:

All deliveries must be made between 7:00AM and 2:00 PM

A grab sample must be taken from all bulk delivered chemicals by delivery personnel, and checked by Town personnel before the delivery is accepted.

A phone call shall be placed stating an estimated time of arrival at least one hour before delivery to insure that Town personnel can be present for the delivery.

All chemical deliveries shall be accompanied by a certificate of analysis, a legible MSDS sheet, certificate of origin, a bill of lading or a certified weight ticket must accompany each delivery.

Supplier must furnish all equipment necessary for delivery.

Zinc Orthophosphate in 30 gallon containers. Sodium Fluoride in 50 lb.

bags. Chlorine gas in 150 lb. cylinders. NaOH concentration of 25%. KOH concentration of 45%.

Tank truck delivery discharge shall be pressurized air only to a two inch quick connect male fitting.

A hydraulic tailgate & pallet jack required for all container deliveries.

LITTLETON WATER DEPARTMENT:

Potassium hydroxide must meet AWWA B511 Standards and be certified under NSF/ANSI Standard 60. A two and one half inch quick connect fitting is located at all sites. Supplier must furnish all equipment necessary for delivery. All deliveries are to be supervised by Department employees. All deliveries are to be preceded by a telephone call to

978-540-2222 with an estimated time of arrival. A sample of KOH must be taken during the filling of tank truck and given to the Department employee before delivery is accepted. Liquid deliveries must note the specific gravity of the chemical on the delivery slip. A certificate of analysis and washout certificate must be provided at the time of delivery. Deliveries to the following locations: Littleton WTP 686 - Great Road, Beaver Brook Treatment Plant – 519 Great Road/Rte. 119, approx. 1/2 mile west of Rt. 495, and Well 1 and 3 - Whitcomb Ave. Typical order = 1,500-2,500 gallons.

Sodium hypochlorite bulk shall be delivered to Beaver Brook Treatment Plant, 519 Great Road/Route 119. All deliveries are to be preceded by a telephone call to 978-540-2222 with an estimated time of arrival.

Sodium Hexametaphosphate shall be Pristine SK 7641 or demonstrated equal. . All deliveries shall be delivered to 686 Great Road and preceded by a telephone call to 978-540-2222 with an estimated time of arrival.

All drum and pallet deliveries must be by truck with a hydraulic tailgate capable of lowering the delivery to the ground. A pallet jack is required for all drum and pallet deliveries. Delivery vehicles must supply a 20 - 40 foot delivery hose. All deliveries between 7:30am and 11:00am, Mon — Thurs. **No Friday deliveries.**

LITTLETON SEWER DEPARTMENT :

Deliveries shall be made to the Sewer Department Pump Station, located at the Littleton High School, Route 110/2a (King Street), Littleton, MA. All deliveries will require notification to the Sewer Operator

to arrange a time to meet. No deliveries can be made without prior notification to sewer operator (contract hire).

LOWELL REGIONAL WASTEWATER UTILITY:

Deliveries are to be made during our regular business hours of 7AM and 3 PM Monday thru Friday. All deliveries are to be preceded by a telephone call to 978-674-4248 with an estimated time of arrival.

A wastewater department operator must witness all deliveries. All deliveries must be signed in by an operator before hookup. Sodium hypochlorite deliveries must be made within 48 hours of request and will be split at the facility. The split will be 700 gallons and the rest in our bulk tank. Sodium Bisulfite deliveries must be made within 48 hours of request.

Sodium Hydroxide liquid 25% (25%% Caustic) deliveries will be in totes of 330 gallons.

LOWELL REGIONAL WATER UTILITY (W.T.P.):

All deliveries are to be made during our regular business hours of 7:00am to 4:00pm Monday thru Friday. However, occasionally, special arrangements for after-hours deliveries and/or weekend deliveries may be necessary and are by pre-approval only. All deliveries must be signed in by an Operator before hookup. All deliveries to the Intake Station must first check in at the Treatment Plant. An Operator will then go open the gate at the Intake Station.

Poly-Aluminum chloride deliveries must adapt to 3 inch stainless steel camlock quick connect. Caustic deliveries must adapt to a 2 inch camlock quick connect. Caustic and poly-aluminum chloride suppliers must provide tank trucks which have the capability to air unload with a minimum pressure of 25 psi. Silly acid, zinc orthophosphate, sodium hypochlorite and sodium chlorite deliveries must adapt to 2-inch camlock quick connect. Muriatic acid deliveries must adapt to a 2-inch four-bolt flange with gasket. Sodium hypochlorite deliveries must always have split load capability. Ability to purchase half-loads near end of the fiscal year is expected.

LUNENBURG WATER DISTRICT:

Sodium hydroxide deliveries made to the pump stations at 671 Lancaster Avenue, 100 Wintergreen Court, and 500 Leominster Shirley Road between 7:30 a.m. to 4:00 p.m. Call 978-342-9211 prior to delivery so an employee can be present. Sodium hypochlorite (15%) in 15 gallon containers is to be delivered to the Water District Office at 50 Lesure Avenue, Lunenburg, MA.

LYNN WATER TREATMENT PLANT:

Chemical deliveries to be made on Monday-Friday between 7:30am-12:00pm. Zinc orthophosphate shall be V-939 or equal.

A certificate of Analysis must accompany all deliveries as to the batch delivered.

All chemicals must meet latest AWWA specifications and NSF 60, 61 specifications.

All chemicals must be food grade or designated as PW grade.

All chemical delivery trucks must be designated for food grade or for PW grade products only.

Liquid Alum must be manufactured from unrefined Bauxite Ore and Sulfuric Acid.

Bulk Sodium Hypochlorite (15%) solution and 150 LB Chlorine Gas cylinders are expected to be needed when construction of temporary facilities are completed on or around January 1, 2019.

MANCHESTER BY-THE-SEA:

All deliveries must be made between 7:00AM and 2:00 PM. Town representative/operator must be present during all deliveries. Town representative/operator will coordinate all deliveries with the vendor.

All sites accessible by tank trucks for deliveries except as noted.

Trucks for delivery of drums and palletized chemicals must be equipped with hydraulic tailgate.

Location specific information listed below:

Water Treatment Plant, Chebacco Road, Hamilton. Chemicals to be delivered (volumes): aluminum sulfate (1,000gal), sodium hydroxide (1,000 gal), sodium hypochlorite (300 gal) hydrofluosilic acid (500 gal), potassium permanganate (9-55 lb. drums), sodium fluoride (2,000 lbs. in 50 lb. bags), zinc orthophosphate (3-55 gal drums). Bulk deliveries of liquid chemicals via 2-inch quick disconnect.

Lincoln Street Chemical Feed Facility, off Lincoln Street, Manchester. Chemicals to be delivered (volumes): sodium hydroxide (1,000 gal), sodium hypochlorite (200-400 gal). Bulk deliveries of liquid chemicals via 2-inch quick disconnect.

Round Pond Pump Station #1, Chebacco Road, Hamilton. Chemicals to be delivered (volumes): sodium hypochlorite (200 gal). Bulk deliveries of liquid chemicals via 2-inch quick disconnect.

Wastewater Treatment Plant 12 Church St., rear of Town Hall, Manchester. Chemicals to be delivered (volumes): sodium hypochlorite (200 – 400 gal), dense soda ash (minimum of one pallet of (50) 50 pound bags).

NOTE: Delivery will be made at multiple facilities

MAYNARD WATER DEPARTMENT:

All chemicals must meet AWWA and NSF/ANSI Standards for use in potable water treatment.

No chemical deliveries shall be accepted unless requested by the water department. The chemical firm must identify the name of the driver providing the delivery at the time the order is placed. The driver must produce a photo I.D. prior to unloading as well as a certificate of analysis.

Deliveries shall be accepted by water department staff between 7:00 AM and 2:00 PM Monday through Friday. All goods shall be delivered within 1 week from date of order. A maximum of 3 stops may be required for bulk chemicals of KOH, with up to 2,000 gallons total delivery at one time.

All chemical venders must be equipped with the proper fittings, connections and hoses to properly and safely unload chemical. The chemical venders will be responsible for all spills. Quick closing valves must be located on the truck to ensure swift response in case of an emergency.

MERRIMAC WATER DEPARTMENT:

Sodium Hypochlorite shall be delivered, as ordered by the Water Department in 15 gallon drums to the Merrimac Water Treatment Facility and the Bear Hill Pump Station. All deliveries of chlorine will be made by truck equipped with a power tail gate. Potassium hydroxide shall be liquid with a minimum available potassium hydroxide content of 45%. Potassium hydroxide shall be delivered, as ordered by

the Water Department, in minimum amounts of 1000 gallons per order to the Merrimac Water Treatment Facility.

Potassium permanganate shall be free flowing and in complete accordance with AWWA Standard B603-77 (latest revision) with a minimum available potassium permanganate content of 95%. Potassium permanganate shall be delivered, as ordered by the Water Department, in sealed pails with handles weighing no more than 25 kg each, in minimum amount of 36 pails per order to the Merrimac Water Treatment Facility.

All deliveries shall be made Monday – Friday no holidays, 7:30 a.m. to 2:30 p.m. Please notify Merrimac Water personnel 24 hours prior to delivery and call 30 minutes prior to arrival.

METHUEN WATER TREATMENT PLANT:

If the vendor has not previously been contracted to supply chemical, a site visit is required.

Bill of Lading is required.

Certificate of Analysis is required.

All containers and appurtenances shall be dedicated solely to the chemical that is being delivered. Otherwise a Tank Cleanout Certificate is required with each chemical delivery.

All deliveries shall be scheduled in advance so trained staff are present to accept and monitor delivery process.

All chemical deliveries will only be scheduled for specified times.

In case of emergency situation quick closing valves must be located on the truck to ensure swift response

Tank Trucks shall be equipped with a hatch or other suitable means of drawing samples for testing directly from the tank. If deemed necessary, the tank piping system shall be tested along with the tank sample.

The driver shall obtain samples of the chemical to facilitate testing (If appropriate).

Weight Certificates shall accompany all deliveries.

Vendor is to supply their delivery SOP.

Vendors shall be able to supply enough chemical to meet the needs of Methuen W.T.P.

NASHUA N.H. WASTEWATER TREATMENT PLANT:

The Plant Operations Supervisor will order the chemical to be delivered when: A. the chemical storage tank can receive a standard load (typically 3,000 to 4,000 gals) and B. when filled the tank will be at 95% capacity or less.

Deliveries will be scheduled between the hours of **7:00 am till 1:30 pm** Monday through Friday.

The delivery driver must check in at the main building, before off-loading any cargo.

The NWTF staff person will check to insure the following: A. Proper tank is being filled and that there is sufficient space in the tank for the amount of product being delivered. The staff person will also verify that the correct product is going into the correct tank as well.

Both the NWTF staff person and the delivery driver will wear the proper protective clothing that is listed at the bottom of this document.

The NWTF staff person will remain present during the entire off-loading process. They will have a two-way radio at all times. This is to insure an immediate response to any emergency that may arise.

There should be no product leaking from any fittings or hoses. If leaks occur, steps must be taken to collect product and stop the leak. Any product spilled on the ground must be hosed down.

The NWTF will provide a hose for rinsing spills and the containment area.

The doors to the building that the chemical is being delivered to will remain open during off-loading to insure access to the safety shower and the eyewash.

When the filling procedure is complete, the NWTF staff person will insure that the area is properly cleaned up and the building is secured.

Chemical clothing that must be worn:

Goggles face shield, chemical resistant apron, long sleeve shirt, chemical resistant gloves.

NEWBURYPORT WASTEWATER TREATMENT PLANT:

The truck that delivers potassium permanganate on pallets must be equipped with a hydraulic tailgate and bring an electric pallet jack to unload.

NEWBURYPORT WATER TREATMENT PLANT:

Sodium fluoride shall be coarse granulated type with delivery to Ferry Road Well-Site.

Potassium Permanganate to be American Made and Free Flowing

Phosphorus Acid to have 2-handles on drums and empties to be picked-up when new delivery is made.

NORTH ANDOVER WATER TREATMENT PLANT:

No deliveries shall be accepted unless requested by Town.

All deliveries are to be preceded by a telephone call to 978-688 9574 with an estimated time of arrival.

The Town must be notified by the firm (and not by the driver) of the name of the driver who will be delivering to our facility.

The driver must produce a photo ID before the Town will allow unloading from the truck. .

All chemical deliveries shall be between 7:00 AM and 3:00 PM. AM deliveries preferred.

WTP personnel must be present at all deliveries.

Truck drivers must show ID, Bill of Lading, Clean Tank Certificate (or Dedicated Tank Certificate) and Certificate of Analysis, Certificate of Origin, and a legible MSDS along with the specific gravity on the delivery slip for liquid chemicals.

A grab sample must be taken on-site from all bulk delivered chemicals by delivery personnel and witnessed and checked by W.T.P. personnel before the delivery is accepted. For this purpose tank trucks shall be equipped with a hatch or other suitable means of drawing samples for testing directly from the tank.

PPE should be worn at all times during the offload.

All fittings are male quick connect.

The chemical company will be responsible for all spills. Quick closing valves must be located on the truck to ensure swift response in case of an emergency.

No more than 18 pounds per square inch of air pressure in the chemical blow-off line to clear chemical from the line.

Copper sulfate shall be **# 30 mesh** delivered in small trucks with hydraulic tailgates.

Zinc orthophosphate shall be 7.85% as Zn and 7.85% as PO4 (1:1 ratio only) (Chem. Spec. V-932).

For Zinc orthophosphate deliveries, the truck has to be able to off load from the rear of the truck, as the truck will be parked on a slope during deliveries. It does not matter for all other chemicals as the point of delivery is on a flat surface.

All dry products and drums require hydraulic tailgates.

Polyaluminum chloride shall be Holland PC-H180 or equivalent (if meets DEP approval)

All PCH180, potassium hydroxide, sodium hypochlorite and silly acid deliveries shall be guaranteed within 4 working days of the order.

For all quantities listed on the bid sheet, these are anticipated, not guaranteed quantities.

We reserve the right to accept or reject any and all deliveries at the vendor's expense that do not meet any of the above guidelines.

NORTH CHELMSFORD WATER DISTRICT:

All mailing should be sent to: North Chelmsford Water District, North Chelmsford MA 01863, ATTN: Superintendent.

All Chemical deliveries will be at the Bomil Water Treatment Facility, 55 Richardson Road, North Chelmsford, MA.

All Chemical suppliers must be equipped with the proper fitting, connections and hose to properly and safely unload All Chemicals.

Sodium hypochlorite delivered in 5-gallon reusable clean vented containers. A minimum of 6 containers of 5 gallons, ordered at a time, twice a year.

Potassium hydroxide deliveries will be six to eight times a year, potassium hydroxide deliveries of 2500 to 3000 gallons.

Poly-Aluminum Chloride, (PCH180) deliveries will be two to three times a year, PCH180 deliveries of 1000 to 2000 gallons.

Citric Acid deliveries will be Twelve times a year, deliveries of 1000 to 1100 gallons shall be received in 250 gallon totes and used totes shall be picked up by vendor.

Citric Acid 24/50 Lbs. Bag deliveries shall be once a year on one Pallet.

Safe-T-Chlor deliveries will be six times a year, deliveries of four, 55 gallon drums, dry weight.

Chlorine Gas deliveries will be six times a year, four, 150 pound cylinders.

Sodium Thiosulfate 24/25 KG bag deliveries shall be once a year on one Pallet.

All Vendors must guarantee delivery five working days from date of order.

Vendor must call (978) 251-3931 for directions and verification of delivery date.

Deliveries must be made between 9:00 a.m. and 1:00 p.m.

A Water District representative will escort the truck to delivery location.

NORTH READING WATER DEPARTMENT:

Sodium fluoride is to be delivered to West Village WTP, 0 Cold Spring Road, North Reading. Materials shall be shipped in 50-pound maximum net multi-ply water resistant bags only, with a minimum of 40 bags per order (1 pallet). Sodium fluoride shall meet the requirements of the latest edition of AWWA Standard B701 for sodium fluoride.

Potassium permanganate shall be delivered as ordered by the North Reading Water Department to two locations: the Lakeside Boulevard WTP, 66 Lakeside Boulevard, North Reading; and the West Village WTP, 0 Cold Spring Road, North Reading. Potassium permanganate shall be free flowing, and shall conform to the latest edition of AWWA Standard B603 for potassium permanganate. Potassium permanganate shall be delivered in sealed pails with handles weighing no more than 25 Kg each, with a minimum of 24 pails per order (1 pallet).

Potassium hydroxide shall be delivered as ordered by the North Reading Water Department to three locations: the Lakeside Boulevard WTP, 66 Lakeside Boulevard, North Reading; the West Village WTP, 0 Cold Spring Road, North Reading; and the Central Street Pumping Station, 246 Central Street, North Reading. Deliveries may include from one to three stops per order, with a minimum available potassium

hydroxide content of 45%. Orders will be for a minimum of 1,000 gallons per order. Materials shall meet the requirements of the latest edition of AWWA Standard B511 for potassium hydroxide.

Bulk sodium hypochlorite shall be delivered as ordered by the North Reading Water Department to two locations: the Lakeside Boulevard WTP, 66 Lakeside Boulevard, North Reading; and the West Village WTP, 0 Cold Spring Road, North Reading. Deliveries may include from one to two stops per order, with a minimum total volume of 1,000 gallons per order. In addition, sodium hypochlorite in 15-gallon reusable containers shall be delivered as ordered to the Central Street Pumping Station, 246 Central Street, North Reading. Minimum order shall be ten (10) 15-gallon containers. Sodium hypochlorite shall be liquid with a minimum available chlorine concentration of 15%. Materials shall meet the requirements of the latest edition of AWWA' Standard B300 for hypochlorites. All deliveries of chemicals shall be made between 7:30 a.m. and 3:00 p.m. to the sites described above. Deliveries shall be coordinated with North Reading Water Department personnel.

PEABODY WATER DEPARTMENT:

All chemicals must meet AWWA and NSF/ANSI Standards for use in potable water treatment. No chemical deliveries shall be accepted unless requested by the water department. The chemical firm must identify the name of the driver providing the delivery at the time the order is placed. The driver must produce a photo I.D. prior to unloading as well as a certificate of analysis.

Deliveries shall be accepted by the City between 7:30 AM and 5:00 PM Monday through Friday. All goods shall be delivered within four (5) business days from date of order. Off hours delivery will be accepted by pre-approval of the City.

All chemical venders must be equipped with the proper fittings, connections and hoses to properly and safely unload chemical. The chemical venders will be responsible for all spills. Quick closing valves must be located on the truck to ensure swift response in case of an emergency.

All liquid chemical deliveries must not be delivered at temperatures exceeding 100 °F.

A truck having a hydraulic tailgate to insure safe unloading must do all pallet deliveries to Winona WTP and Coolidge Avenue W.T.P.

All pallet deliveries to Winona WTP and Coolidge Avenue WTP shall be off loaded to a storage position identified by Water Department personnel (low lift pump jack required).

Sodium fluoride shall be the coarse granules supplied in 50-55 lb. bags.

Copper sulfate shall be the large crystals (1/2" -1") supplied in 50-55 lb. bags.

Sodium Hydroxide, sodium hypochlorite and ammonium sulfate deliveries will be split between the Coolidge WTP and Winona WTP.

Sodium Hypochlorite certificate shall include time in storage and delivery.

Polyaluminum Chloride and Aluminum Sulfate are required to pre-qualify their product using our Raw untreated water in both warm (summer) and cold (winter) water temperature conditions in a demonstration study, including but not limited to jar testing, to be conducted onsite and to be overseen by our consulting engineer. All costs associated with this process shall be paid by the vendor/supplier.

RIVER CROSSING CONDOMINIUMS – TYNGSBOROUGH, MA

All chemicals must meet AWWA and NSF/ANSI Standards for use in potable water treatment.

No chemical deliveries shall be accepted unless requested by the water department. The chemical firm must identify the name of the driver providing the delivery at the time the order is placed. The driver must produce a photo I.D. prior to unloading as well as a certificate of analysis.

Deliveries shall be accepted by the Condominium Public Water Supply, Village Lane, Tyngsborough, MA. between 8:00 AM and 5:00 PM Monday through Friday. All goods shall be delivered within 2 weeks from date of order, because of limited size of bulk delivery.

All chemical venders must be equipped with the proper fittings, connections and hoses to properly and safely unload chemical. The chemical venders will be responsible for all spills. Quick closing valves must be located on the truck to ensure swift response in case of an emergency.

KOH shall be delivered in bulk, between 275 and 350 gallons, every 7 to 10 months.

ROWLEY, MA. WATER DEPARTMENT:

Deliveries accepted Monday through Friday from 7 AM until 3 PM. All Deliveries must be scheduled in advance and a specific date for delivery set. Contact for the office is at 1-978-948-2640 EXT: 101. The Water Department may have three different addresses with four different buildings, all in Rowley, for chemical deliveries. **435 Haverhill Street**, Well #2, on Left 2.7 miles from the Entering Rowley sign on Rt. 133 East from Exit 54, off of Rt. 95 for bulk deliveries of 600 or 700 gallons of 25% Sodium Hydroxide (Caustic Soda) Delivery needs one length of two-inch hose to a two-inch MALE quick connect. Tanker can pull along beside the delivery point. **401 Central Street**, Water Department Garage, for Palletized delivery of Poly Ortho Phosphate drums, and 15% Sodium Hypochlorite drums. A Lift Gate is needed for ground level delivery. **64 Pingree Farm Road**, a dirt road on right 0.5 miles from the Entering Rowley sign, on Rt. 133 East from Exit 54, off of Rt. 95. Water Treatment Plant for BULK delivery of 25% Sodium Hydroxide (Caustic Soda), 15% Sodium Hypochlorite, and Aluminum Chlorohydrate (ACH). Tanker must back in, down slope, to the loading area. Isolated Inlet boxes each have a two-inch MALE quick connect above the loading dock. This loading dock is accessible with a tractor trailer or straight truck to be used for delivery of palletized Citric Acid, Ascorbic Acid, Potassium Permanganate and Ortho-Phosphate. The loading dock is slightly up-grade accessible with a tractor trailer or straight truck.

Note: 5 mph Pingree Farm road access road speed limit.

SALEM, NH WATER TREATMENT PLANT:

All deliveries shall be made Monday-Friday, between 7:30 AM and 2:30 PM.

Bill of lading and certificate of analysis is required.

A grab sample of all bulk chemical deliveries may be taken at any time.

The vendor will deliver the Ammonium Sulfate pallets on a truck equipped with a motorized lift-gate.

The product will be crystalline 99% Ammonium Sulfate without significant clumping or product dust and will not contain sodium ciproate or similar additives.

SHIRLEY WATER DISTRICT:

All chemical deliveries shall be from 8:00 am to 1:00 pm Monday through Friday excluding holidays. Water District personnel shall be present for all deliveries. A phone call shall be placed when delivery is within the town of Shirley boundaries (978.425.2245 or 978.425.2642).

The delivery location for Potassium Hydroxide shall be split into three (3) locations:

- Patterson Road Station, 17 Patterson Road
- Catacunemaug Road Station, 23 Catacunemaug Road
- Walker Chemical Feed Facility, 15 Patterson Road

Sodium hypochlorite shall be delivered to the Walker Chemical Feed Facility. Deliveries shall be made in a straight truck with a hydraulic lift gate.

SHREWSBURY WATER DEPARTMENT:

Sodium Fluoride-estimated annual usage- 17,200/lbs

(One or two pallet delivery size)

Sodium fluoride is to be delivered to the Home Farm Water Treatment Plant, 45 Main Street, Shrewsbury. Materials shall be shipped in 50-pound maximum net multi-ply water resistant bags only, with a minimum of 40 bags per order (1pallet). Sodium fluoride shall meet all requirements of the latest edition of AWWA Standard B701 for sodium fluoride. (Domestic or Japanese Origin Preferred if available). A truck with hydraulic tailgate and pallet jack required to facilitate unloading.

Potassium Hydroxide 45% Solution- estimated annual usage-22,000 gals/yr.

(4-5,000 gallon delivery size)

Potassium Hydroxide must meet AWWA B511 Standards and be certified under NSF/ANSI Standard 60. A two-inch male fitting with cap is located at the site. Supplier must supply all necessary equipment for delivery.

Sodium Hypochlorite 15% Solution-estimated annual usage-4,000 gals/yr.

(Delivery size- 500 gallons)

Sodium Hypochlorite must meet AWWA B300-latest edition. A two-inch male connector is located at the site.

Ortho-Polyphosphate- estimated annual usage- 4,000 gals

(Delivery size- 500 gallons)

Presently using a poly ortho phosphate 50% -50% blend. A two-inch male fitting is located at the site.

Deliveries accepted Monday through Friday from 7:30 AM until 2PM. Delivery address is Home Farm Water Treatment Plant, 45 Main Street, Shrewsbury, MA. All deliveries must be scheduled in advance and a specific date for delivery set. All deliveries must also be supervised by a Department employee present at all times. Contact number for deliveries are Office of the WATER & SEWER DEPARTMENT: TELEPHONE: (508) 841-8506 or the Water Treatment Plant (508) 841-8479. All chemical deliveries shall be accompanied with a certificate of analysis, certificate of origin, bill of lading and MSDS sheet.

STERLING WATER DEPARTMENT:

Deliveries shall be between the hours of 7:00 am – 2:00 pm. All deliveries shall be preceded by a phone call with an ETA. Deliveries will be split after June 1, 2007. All deliveries of potassium hydroxide shall provide an on-site sample to test for specific gravity.

SUDBURY WATER DISTRICT:

Sodium fluoride 50 lb. bags on pallets, course, granular. Potassium permanganate. Trucks equipped with hydraulic tailgates for deliveries. Hand Truck required as well.
No deliveries between 12- 1 PM

SWAMPSCOTT WATER DEPARTMENT:

Deliveries will be made to the wood shed at the rear of the VFW POST, located at 8 Pine Street. Sodium hypochlorite can be delivered in tank capacity of 850 gallons. Delivery hours are from 7:00 am to 3:30 pm, Monday through Friday.

TEWKSBURY WATER TREATMENT PLANT:

Delivery hours are 8:30am to 4:00pm. Monday through Friday. All chemical deliveries are subject to quality control testing to be performed by treatment plant personnel.

Muriatic acid will be delivered in tote tanks and transferred using a pumping system.

Zinc Ortho-Phosphate SLI-939 or equal (Sulfate base) to be delivered in bulk 1,000 gallons. Delivery truck must bring three lengths of hose.

“Silly Acid” to be delivered in 270 gallons totes as a pump off.

Sodium chlorite (25%), bulk deliveries of 1000 gallons, domestic product only.

NaOH, Alum, and Sodium Hypochlorite will be delivered in 4000 gallon quantities each.

All vendors must supply large DOT or chemical signs with adhesive backs if requested

All chemicals must meet latest AWWA specifications and NSF 60, 61 specifications.

All chemicals must be food grade or designated as a PW grade.

TOWNSEND WATER DEPARTMENT:

Sodium hydroxide deliveries shall be in bulk and sodium hypochlorite shall be delivered in 1 GALLON Containers. All deliveries shall be between the hours of 7:30 a.m. and 2:30 p.m. Outside fill connection for Sodium Hydroxide shall be a 2 inch male quick connect fitting. Deliveries shall be split consisting of up to five (5) stops. All deliveries must be preceded by a phone call to **978-597-2212** with an ETA. A Water Department employee must be present for all deliveries.

WEBSTER WATER DEPARTMENT:

- All deliveries must be made between 7:00am and 2:00 pm, Monday – Friday (excluding holidays)
- All stations shall be unmanned can calling ahead is required for deliveries
- Bill of lading and certificate of analysis are required
- Town personnel must be present for all deliveries
- Liquid deliveries must note the specific gravity of the chemical on the delivery slip

- All chemical deliveries are subject to quality control testing to be performed by treatment plant personnel
- Sodium Hypochlorite pallet deliveries shall be made in a straight truck with hydraulic lift gate and be able to be offloaded by pallet jack.

WELLESLEY WATER AND SEWER DIVISION:

No deliveries shall be accepted unless requested by the Town. The Town must be notified by the firm (and not by the driver) of the name of the driver who will be delivering to our facilities. The driver must produce a photo ID before the Town will allow unloading from the truck.

A phone call shall be placed stating an estimated time of arrival at least one hour before delivery to insure that Town personnel can be present for the delivery. All chemical deliveries shall be accompanied by a certificate of analysis, certificate of origin, a bill of lading or a certificate weight ticket must accompany each delivery. Town personnel must be present for all deliveries. Liquid deliveries must note the specific gravity of the chemical on the delivery slip.

Deliveries shall only be accepted by the Town between 7:30 AM and 2:00 PM Monday through Friday.

All goods shall be delivered within four (4) business days from date of order.

All containers and appurtenances shall be dedicated solely to the chemical that is being delivered. Otherwise a Tank Cleanout Certificate is required with each chemical delivery. Tank trucks shall be equipped with a hatch or other suitable means for drawing samples for testing directly from the tank. A grab sample of all bulk liquid chemicals must be collected by the driver in the presence of a Town Employee, who will be given up to 15 minutes to verify the quality of the product prior to the start of offloading. All bids must meet AWWA Standards for use in potable water treatment. The Town reserves the right to accept or reject any and all deliveries at the vendor's expense that do not meet these standards.

Potassium hydroxide and Sodium hypochlorite must be delivered to stations and locations in the Town as designated by a representative of the Water/Sewer Division. Split deliveries to multiple sites shall be required. Each facility is equipped with a chemical fill portal with a 2-inch diameter quick connect fitting fill pipe.

Potassium Permanganate shall be delivered to the Water Division Stockyard in single-trip moisture-proof drums of 55 lbs. net weight.

WEST BOYLSTON WATER DISTRICT:

Potassium hydroxide (45%) deliveries shall be in bulk, 1,000 gallon minimum. All deliveries shall be between the hours of 8:00 a.m. and 3:00 p.m. outside fill connection size is 2-inch male quick connect fitting. Deliveries shall be split consisting of up to three (3) stops. Short trailer (2,500 gal.) is required. All deliveries must be preceded by a phone call to 508-835-3025 with an ETA. A Water District employee must be present at all deliveries.

WEST GROTON WATER SUPPLY DISTRICT:

Deliveries shall be made between the hours of 8:00AM – 1:00PM. 24hr advance call pending delivery and 1 hour call before arrival.

Sodium Hexametaphosphate shall be Glassy Plate not Granular. No torn or damaged bags will be accepted. Sodium Hexametaphosphate and Sodium Hypochlorite deliveries shall be made in a straight truck with a hydraulic lift gate.

WEST NEWBURY WATER DEPARTMENT:

Chemical deliveries to be made to Wellfield #1 located at 999 Main Street, West Newbury, MA. All deliveries must be made between 7:00am and 2:30pm, Monday to Friday. No deliveries shall be made on weekends or holidays.

Wellfield #1 is unmanned and calling ahead is required for deliveries.

Sodium fluoride shall be delivered in 50 lb. Bags.

15% sodium hypochlorite shall be delivered in 55 gallon drums.

45% potassium hydroxide shall be delivered in 55 gallon drums until the new bulk storage tank is operational on 2016/17. At that point, 45% potassium hydroxide shall be bulk delivery. Access is 25' to a 2" fill pipe with quick connects.

All deliveries other than bulk must be made by a truck equipped with a power tail gate. We do not have a loading dock to back up to. All trucks can drive right into wellfield #1. There is room to turn around.

WESTFORD WATER DEPARTMENT:

Chemical deliveries must be made between 7:30 a.m. and 12:00 noon. Vendor must call ahead with approximate delivery time. Most deliveries are made to two (2) stops; 60 Forge Village Road and 17 Nutting Road. Driver will be accompanied to second stop. Suppliers must furnish all equipment necessary for delivery. All deliveries are to be supervised by Department employees. A certificate of analysis must be provided at the time of delivery. Potassium permanganate shall be the Cairox free flowing grade, delivered on pallets that easily accommodate a hand operated pallet truck. Polyaluminum Chloride must be Holland PCH180 or approved equal. All bids must meet AWWA and NSF/ANSI Standards (latest edition) for use in potable water treatment. Westford Water Dept. reserves the right to accept or reject any and all deliveries at the vendor's expense that do not meet these standards.

WILMINGTON DPW WATER DIVISION:

All vendors must guarantee delivery within five working days from date of order.

The Town of Wilmington has two drinking water treatment plants to which chemicals are delivered. 54 Butters Row and 11 Sewell Rd.

All successful bidders shall have available a customer technical support staff. This customer technical support staff shall provide free of charge product support, evaluations and safety training for all supplied chemicals at the customer location if requested.

All deliveries shall have an electric pallet truck available for unloading of every shipment delivered. All electric pallet trucks are required to enter into each location's chemical storage rooms for unloading as directed by WTP personnel. Some deliveries may include remote well sites.

Aluminum Sulfate shall be manufactured from unrefined Bauxite Ore and Sulfuric Acid low iron. All Aluminum Sulfate deliveries shall be subject to on-site testing as needed by WTP personnel. All Aluminum Sulfate delivery trucks shall off-load with the truck tractor located closest to the building. This will assist the alum trailer to completely off-load according to the parking lot grade.

Ammonium Sulfate supplied shall be NSF 60 approved standards and the water treatment grade only. Ammonium Sulfate delivery pallets for the Sargent WTP, are to be on a pallet 36" x 48" or smaller.

Lime shall be the hydrated type manufactured by Graymont Inc. from Canada, distributed by J.C. Madigan of Harvard Mass. delivered in 50-pound paper bags. A maximum of 2500 pounds of Lime shall be loaded on each pallet wrapped with plastic sheeting. The Lime pallet tops shall be covered with a sheet of cardboard to prevent broken or leaking lime bags. All Lime and other pallets supplied shall easily accommodate an electric or manually operated pallet truck.

All wood pallets used for chemical deliveries, including Lime, shall be in good condition and not damaged. Stacking of pallets indicates the bottom original pallet is damaged thus causing damage to the load stacked above. Any Lime pallets loaded with ripped, leaking or damaged Lime bags shall not be accepted. All rejected loads shall be replaced at the vendors own expense. All pallets shall be returned and accepted by each vendor that uses pallets for all deliveries.

Potassium Permanganate shall be the 55 lb. pails, free flowing granular type manufactured in the U.S. only. Potassium Permanganate pails shall be loaded on a pallet wrapped with plastic sheeting.

Muriatic acid shall be 20° Baumé strength delivered on wood pallet wrapped with plastic sheeting to secure load for 2 or more drums ordered when delivering to each water treatment plants available loading docks.

We reserve the right to accept or reject any and all deliveries at the vendor's expense that do not meet any of the above guidelines.

All deliveries of chemicals shall be Monday thru Friday 7:00 A.M. –2:00 P.M. E.S.T

WINCHESTER WATER TREATMENT PLANT:

- All bulk deliveries of 1,500 gallons will be delivered to the Treatment Plant at 345 South Border Road, Winchester, MA 01890.
- All deliveries must be made between 8:00 a.m. and 1:00 p.m. The Treatment Plant Operator will coordinate all deliveries with the vendor.
- Vendors must bring 60 feet of hose with them for the insides fill lines.
- Vendors must bring a 2-inch female Cam lock to connect to the chemical fill lines in the building.
- All deliveries made to the Treatment Plant must be 1,500 gallons or less due to bulk storage tank restrictions.
- All Hydrofluosilicic Acid deliveries will be delivered to the Winchester D.P.W. building at 15 Lake Street, Winchester, MA 01890.
- The vendor must have a pallet jack on the truck to place the pallets at the end of the truck. Winchester will provide a forklift to remove the drums on pallets from the rear of the truck.

APPENDIX A.

CHEMICAL DELIVERY INSPECTION FORM

CHEMICAL NAME _____

DATE: _____

TIME: _____

FACILITY: _____

RECEIVED BY: _____

STORAGE TANK TO RECEIVE DELIVERY: _____

		BILL OF LADING	CERTIFICATE OF ANALYSIS	NOTES
1	SUPPLIER/ SHIPPER			Should be Company Name
2	CHEMICAL NAME			For Example: Sodium Hypochlorite solution or any synonym
3	CHEMICAL ID#			For Example: For Sodium Hypochlorite, should be UN# 1791
4	ESTIMATED QUANTITY			NOTE: QUANTITIES ON VENDOR PAPERWORK ARE ESTIMATES; scale weights are most accurate.
5	DRIVER'S NAME			Verify that the driver has initialed the Cert. of Analysis or Bill of Lading
6	MANUF'S LAB SIGNATURE			Verify signature is present on the Certificate of Analysis
7	TRAILER #			Verify the trailer # on the paperwork is the same as the number on the trailer at the facility.

NOTE: IF YOU ANSWER NO TO ANY OF THE FOLLOWING QUESTIONS, CONTACT A SUPERVISOR

1. WAS THE DELIVERY PREVIOUSLY SCHEDULED? _____(Y or N)
2. DID THE DRIVER ARRIVE IN THE EXPECTED DELIVERY WINDOW? _____(Y or N)
3. DO YOU RECOGNIZE THE DRIVER? _____(Y or N)
4. IS THE DRIVER'S CDL CURRENT? _____(Y or N)
5. IS THE TANK TRUCK MARKED WITH THE CORRECT DOT UN#? _____(Y or N)
6. DOES THE DOCUMENTATION REFERENCE THE CORRECT DOT UN# AND CHEMICAL NAME? _____(Y or N)
7. IS TANK TRUCK FROM THE PROPER COMPANY? _____(Y or N)
8. DOES THE TRAILER NUMBER MATCH WHAT IS EXPECTED? _____(Y or N)
9. IS THE QUANTITY APPROPRIATE? _____(Y or N)
10. SPECIFIC GRAVITY _____ COLOR _____