



AGENDA

EAST ORANGE COUNTY WATER DISTRICT

ENGINEERING AND OPERATIONS COMMITTEE MEETING

Thursday, September 10, 2026 at 12:00 P.M.
185 N. McPherson Road, Orange, CA

1. Call meeting to order
2. Public communications to the Committee
3. Additional items arising after posting of agenda

Informational Items

4. Operations Report – Retail, Wholesale, and Sewer System Status - Handouts
5. Engineering Report – Project Updates
6. Emergency Response Plan Overview

Action Items

7. Chloramine Booster Station Approval

Adjournment

Members of the public shall be permitted to speak as to both agendized and non-agendized items, as reflected in the agenda. Those wishing to speak may submit a speaker request or by verbally indicating their desire to comment at the time the item is called. Additionally, members of the public may, but are not required to, e-mail comments to Sylvia Prado at sprado@eocwd.com up to 30 minutes before the Committee meeting, and such comments shall be provided to the Committee. Members of the public wishing to attend the meeting that require disability-related or other reasonable modifications or accommodation to facilitate such attendance should contact Ms. Prado at (714) 538-5815 or the e-mail address provided as soon as feasible before the meeting to make such request.

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the East Orange County Water District Engineering & Operations Committee in connection with a matter subject to discussion or consideration at an open meeting of the Engineering & Operations Committee are available for public inspection in the District's office, 185 McPherson Road, Orange, California ("District Office"). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available via phone or email request to Ms. Prado at (714) 538-5815 or sprado@eocwd.com.

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: OPERATIONS REPORT – RETAIL, WHOLESALE, AND SEWER SYSTEMS
DATE: SEPTEMBER 10, 2026

Background

This memo serves as cover for the Operations Report for the Retail, Wholesale, and Sewer systems' status. Handouts at the meeting may include Retail water use and well reports, Wholesale demands and imported water reports, and Sewer system status and permitting reports. Discussion will include Operational updates and recent activities.

Recommendation

Informational

Attachment(s):

July/August Work Reports
July/August Permit Activity Summary
July/August Water Usage Reports - Handouts



Monthly Sewer Asset Report

July 2026

Sewer Gravity Main Work

Worktype	Workflows Completed	Footage Completed
CCTV Inspection	52	13,392
Main Cleaning	362	81,572
Main Lining	0	0
Main Repair	0	0
Main Replace	0	0
Managers Form	0	0
Root Foaming	0	0
Grand Total	414	94,963

FOG Work

Worktype	Workflows Completed
BMP GRE Inspection	3
BMP GRE Violation Follow-up	1
BMP Inspection	0
BMP Violation Follow-up	1
GRE Inspection	0
GRE Violation Follow-up	2
Initial Inspection	0
Operational Status Investigation	3
Grand Total	10

Easement Work

Worktype	Workflows Completed
Easement Inspection	0

Lateral Work

Worktype	Workflows Completed
Lateral Connection Edit	0

Manhole Work

Worktype	Workflows Completed
Manhole Inspection	286
Manhole Rehab	0
Manhole Repair	0
Roach Spray	0
Smartcover Alarm Response	0
SSO Report	0
Grand Total	286

Water Hydrants

Worktype	Workflows Completed	Water Used in Gallons	Water Used in CCF
Hydrant Meter Read	4	66,450	89



Monthly Water Asset Report

July 2026

Meter Work

Workflow	Work Completed
Broken Meter Box	0
Meter Changeout	40
Meter Connect	5
Meter Disconnect	6
Meter Installation	0
Meter Investigation	0
Meter Leak	0
Meter Read	0
Meter Re-read	0
Meter Test	0
Miscellaneous Meter Work	2
Grand Total	53

Vault Work

Workflow	Work Completed
Cleaning	0
Construction Inspection	0
Maintenance	1
Repairs	0
Vault Maintenance	0
Wholesale Flushing	4
Grand Total	5

Air Vac Work

Workflow	Work Completed
Air Vac Maintenance	0
Grand Total	0

Hydrant Work

Workflow	Work Completed
Fire Flow Test	0
Hydrant Flushing	3
Hydrant Installation	0
Hydrant Maintenance	0
Hydrant Meter Install	0
Hydrant Meter Read	0
Hydrant Meter Removal	0
Hydrant Replacement	0
Grand Total	3

Pressure Reducing

Workflow	Completed
Pressure Reducing Station	1

Valve Work

Workflow	Work Completed
Main Line Restore	4
Main Line Shut Down	3
Valve Exercise	0
Valve Repair/Replace	0
Valve Shut Down	3
Grand Total	10

Production Meter Work

Workflow	Work Completed
Production Meter Changeout	0
Production Meter Maintenance	0
Production Meter Repairs	0
Production Meter Test	0
Wholesale Flushing	3
Grand Total	3

Facilities Work

Workflow	Work Completed
Cleaning	0
Maintenance	0
Repairs	0
Reservoir Cleaning	0
Tank Inspection	0
Grand Total	0

Water Site Work

Workflow	Work Completed
Rounds	75
Site Inspection	0
Site Maintenance	0
Site Repairs	0
Grand Total	75

Water Distribution Line Work

Workflow	Work Completed
Water Main Repair	0
Grand Total	0

Sample Work

Workflow	Work Completed
In-House WQ Data	60
Sample Post Work	0
THM / HAA5	0
Wholesale Flushing	3
Grand Total	63

Lateral Work

Workflow	Work Completed
Lateral Inspection	0
Lateral Installation	0
Lateral Leak	0
Lateral Repair	3
Lateral Replacement	0
Grand Total	3

Control Valve Work

worktype	Work Completed
Air Vac Maintenance	0
Control Valve Maintenance	0
Open Control Valve	0
Valve Exercise	0
Valve Repair/Replace	0
Grand Total	0

Pump Work

Workflow	Work Completed
Motor Installation	0
Pump and Motor Inspection	0
Pump and Motor Maintenance	0
Pump Efficiency Testing	0
Grand Total	0



Monthly Customer and Locate Work Report

July 2026

Customer Work

Workflow	Work Completed
Construction Inspection	1
Customer Door Tag	2
Customer High Water Bill Investigation	0
Customer Investigation	4
Customer Leak	2
Customer Water Quality Investigation	0
Preconstruction	0
Water Pressure Investigation	2
Grand Total	11

DigTicket Work

Workflow	Work Completed
Tickets completed by Sewer	219
Tickets completed by Water	57
Grand Total	276



Monthly Sewer Asset Report

August 2026

Sewer Gravity Main Work

Worktype	Workflows Completed	Footage Completed
CCTV Inspection	71	17,687
Main Cleaning	388	81,820
Main Lining	0	0
Main Repair	0	0
Main Replace	0	0
Managers Form	0	0
Root Foaming	0	0
Grand Total	459	99,507

FOG Work

Worktype	Workflows Completed
BMP GRE Inspection	4
BMP GRE Violation Follow-up	1
BMP Inspection	1
BMP Violation Follow-up	4
GRE Inspection	1
GRE Violation Follow-up	4
Initial Inspection	5
Operational Status Investigation	3
Grand Total	23

Easement Work

Worktype	Workflows Completed
Easement Inspection	0

Lateral Work

Worktype	Workflows Completed
Lateral Connection Ed	0

Manhole Work

Worktype	Workflows Completed
Manhole Inspection	335
Manhole Rehab	0
Manhole Repair	0
Roach Spray	1,837
Smartcover Alarm Response	0
SSO Report	0
Grand Total	2,172

Water Hydrants

Worktype	Workflows Completed	Water Used in Gallons	Water Used in CCF
Hydrant Meter Read	1	45,750	61

Monthly Water Asset Report

August 2026

Meter Work

Workflow	Work Completed
Broken Meter Box	0
Meter Changeout	19
Meter Connect	2
Meter Disconnect	1
Meter Installation	0
Meter Investigation	0
Meter Leak	0
Meter Read	1
Meter Re-read	0
Meter Test	0
Miscellaneous Meter Work	5
Grand Total	28

Valve Work

Workflow	Work Completed
Main Line Restore	14
Main Line Shut Down	12
Valve Comment	7
Valve Exercise	80
Valve Repair/Replace	1
Valve Shut Down	3
Grand Total	117

Water Site Work

Workflow	Work Completed
Rounds	83
Site Inspection	0
Site Maintenance	0
Site Repairs	0
Grand Total	83

Lateral Work

Workflow	Work Completed
Lateral Inspection	0
Lateral Installation	0
Lateral Leak	1
Lateral Repair	1
Lateral Replacement	0
Grand Total	2

Vault Work

Workflow	Work Completed
Cleaning	0
Construction Inspection	0
Maintenance	0
Repairs	1
Vault Maintenance	1
Wholesale Flushing	2
Grand Total	4

Air Vac Work

Workflow	Work Completed
Air Vac Maintenance	0
Grand Total	0

Production Meter Work

Workflow	Work Completed
Production Meter Changeout	1
Production Meter Maintenance	0
Production Meter Repairs	0
Production Meter Test	0
Wholesale Flushing	1
Grand Total	2

Water Distribution Line Work

Workflow	Work Completed
Water Main Repair	0
Grand Total	0

Control Valve Work

worktype	Work Completed
Air Vac Maintenance	0
Control Valve Maintenance	0
Open Control Valve	0
Valve Exercise	0
Valve Repair/Replace	0
Grand Total	0

Hydrant Work

Workflow	Work Completed
Fire Flow Test	1
Hydrant Comment	6
Hydrant Flushing	59
Hydrant Installation	0
Hydrant Maintenance	2
Hydrant Meter Install	0
Hydrant Meter Read	0
Hydrant Meter Removal	0
Hydrant Replacement	0
Grand Total	68

Pressure Reducing Station Work

Workflow	Completed
Pressure Reducing Station Maintenance	3

Facilities Work

Workflow	Work Completed
Cleaning	0
Maintenance	0
Repairs	0
Reservoir Cleaning	0
Tank Inspection	0
Grand Total	0

Sample Work

Workflow	Work Completed
In-House WQ Data	61
Sample Post Work	0
THM / HAA5	0
Wholesale Flushing	1
Grand Total	62

Pump Work

Workflow	Work Completed
Motor Installation	0
Pump and Motor Inspection	0
Pump and Motor Maintenance	0
Pump Efficiency Testing	0
Grand Total	0



Monthly Customer and Locate Work Report

August 2026

Customer Work

Workflow	Work Completed
Construction Inspection	4
Customer Door Tag	13
Customer High Water Bill Investigation	3
Customer Investigation	10
Customer Leak	7
Customer Water Quality Investigation	0
Preconstruction	0
Water Pressure Investigation	1
Grand Total	38

DigTicket Work

Workflow	Work Completed
Tickets completed by Sewer	211
Tickets completed by Water	51
Grand Total	262

PERMITS ISSUED FOR:

Jul-26

Received	Address	Type of Development	APN	Date Issued	Regional CFCC (OCSan) Fees	EOCWD Sewer Capacity Fees	Sewer PC&I Fees	Total Sewer Fees	WZ Meter Fees
9/15/2025	10671 Equestrian Dr.	ADU	503-201-06	7/21/2026	\$ 1,325.54	\$ 3,346.96	\$ 1,600.00	\$ 6,272.50	\$ 567.83
4/30/2026	2092 Shelterwood Rd.	ADU	104-331-17	7/20/2026	\$ 1,356.00	\$ 4,080.08	\$ -	\$ 5,436.08	\$ 692.20
6/11/2026	13122 Ranchwood Rd.	ADU	500-011-45	7/31/2026	\$ 1,711.95	\$ 5,633.67	\$ -	\$ 7,345.62	\$ 955.78
6/12/2026	18062 Norwood Park Pl.	ADU	401-463-02	7/29/2026	\$ 1,084.80	\$ 5,652.27	\$ -	\$ 6,737.07	\$ 719.00
6/30/2026	14282 Green Valley,	ADU	432-091-17	7/22/2026	\$ 1,101.75	\$ 2,284.81	\$ -	\$ 3,386.56	\$ 1,311.62
					Totals	\$ 6,580.04	\$ 20,997.79	\$1,600.00	\$ 29,177.83
					<i>Due to OCSAN</i>	<i>\$ 6,251.04</i>			

APPLICATIONS RECEIVED

Received	Address	Type of Development	APN	Permit Status
7/2/2026	13001 Malena Dr.	ADU	395-211-07	Pending payment and signature
7/7/2026	540 W. 3rd St. Tustin	ADU	401-364-04	Pending customer response
7/9/2026	145 N. B St. Tustin	ADU	401-531-08	Pending payment and signature
7/6/2026	138 N. B St. Tustin	ADU	401-523-20	Pending customer response
7/22/2026	13381 Epping Way	ADU	103-523-29	Pending payment and signature

PERMITS ISSUED FOR:

Aug-26

Received	Address	Type of Development	APN	Date Issued	Regional CFCC (OCSan) Fees	EOCWD Sewer Capacity Fees	Sewer PC&I Fees	Total Sewer Fees	WZ Meter Fees
2/11/2026	11141 Brunswick Way	ADU	503-502-06	8/27/2026	\$ 2,050.29	\$ 5,773.29	\$ -	\$ 7,823.58	\$ 979.46
5/5/2026	14851 Featherhill Rd.	ADU	432-273-11	8/3/2026	\$ 842.42	\$ 2,348.29	\$ -	\$ 3,190.71	\$ 719.00
5/1/2026	18191 Bigelow Park	ADU	401-453-08	8/6/2026	\$ 1,104.66	\$ 2,684.83	\$ -	\$ 3,789.49	\$ 2,518.00
7/2/2026	13001 Malena Dr.	ADU	395-211-07	8/18/2026	\$ 2,032.31	\$ 2,730.93	\$ -	\$ 4,763.24	\$ 463.31
7/7/2026	540 W. 3rd St. Tustin	ADU	401-364-04	8/3/2026	\$ 550.88	\$ 1,823.37	\$ -	\$ 2,374.25	\$ 185.64
7/6/2026	138 N. B St. Tustin	ADU	401-523-20	8/7/2026	\$ 813.96	\$ 4,586.04	\$ -	\$ 5,400.00	\$ 719.00
7/29/2026	12652 Prospect St.	ADU	094-402-22	8/26/2026	\$ 1,003.77	\$ 3,045.04	\$ -	\$ 4,048.81	\$ 310.02
Totals					\$ 8,398.29	\$ 22,991.79	\$ -	\$ 31,390.08	\$ 5,894.43
<i>Due to OCSAN</i>					\$ 7,978.38				

APPLICATIONS RECEIVED

Received	Address	Type of Development	APN	Permit Status
8/27/2026	115 Oranewood Ln.	ADU	401-532-23	Pending payment and signature
8/28/2026	12441 Country Ln.	ADU	103-501-16	Pending plans
8/18/2026	1791 Terry Lynn Ln.	S2S	503-491-17	Pending revised plan

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: ENGINEERING REPORT – PROJECTS STATUS UPDATE
DATE: SEPTEMBER 10, 2026

Background

The purpose of this report is to provide status updates for the various CIP projects and provide updates to other Engineering related activities. A handout may be provided at the meeting.

Recommendation

Informational

Attachment(s):

None

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER *[Signature]*
SUBJECT: EMERGENCY RESPONSE PLAN UPDATE
DATE: SEPTEMBER 10, 2026

Background

As a follow up to previous requests regarding roles and responsibilities during an emergency, staff is providing this report along with excerpts from the Emergency Response Plan (ERP) for clarity. Per the plan, ultimate authority for day-to-day decision-making rests with the General Manager. Staff will provide status updates throughout an emergency and the General Manager will be the lead in communications.

Staff is underway with training on the ERP and its components, including enrolling in emergency response classes. There have been areas of continuous improvements identified with the ERP and updates are incorporated accordingly.

The ERP is considered an internal document, as it relates to specific actions at specific sites for continuous operation of water and sewer functions. While it may be shared with the public upon request, portions should be redacted for security reasons.

Recommendation

Informational

Attachment(s):

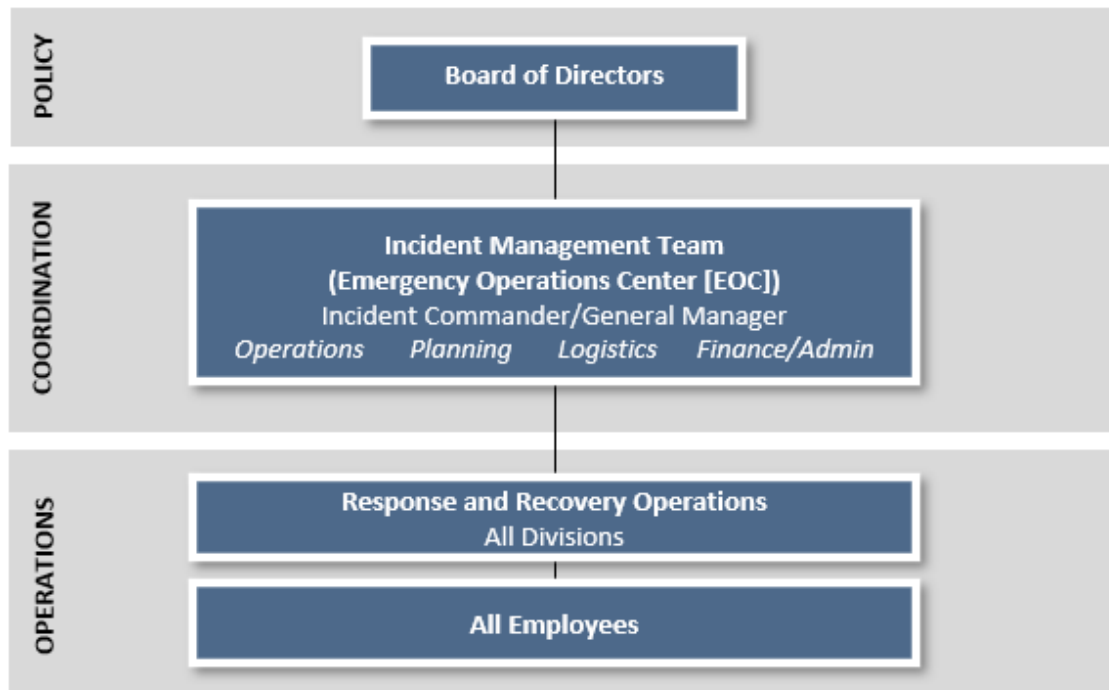
Excerpts from the Emergency Response Plan

- Table 4-1: Emergency Management Organization
- Table 5-1: Emergency Activation Levels

4 EMERGENCY MANAGEMENT ORGANIZATION

In the event the utility activates the EOC (see **Section 7**), utility actions will be managed using the ICS. **Figure 4-1** illustrates the fundamental relationships between the policy, coordination, and operations elements of the ICS management structure in the EMO.

Figure 4-1. Emergency Management Organization



- **Incident Command System (ICS).** Emergency Operations Center (EOC) field operations and EOC support will use the ICS to manage incidents. The EOCWD uses five primary ICS functions to manage incidents:
 - Command (field)/Management (EOC)
 - Operations
 - Planning/Intelligence
 - Logistics
 - Finance/Administration
- **Multi-Agency Coordination.** The EOCWD will proactively coordinate with internal and external partners, coordinate emergency response activities, and allocate resources. This includes coordinating with WEROC on strategies to integrate communication and information sharing.
- **Mutual Aid.** The EOCWD will use its own resources in the first instance and then pursue resource support through mutual aid. Resource requests may be escalated to the EOC or to WEROC to facilitate mutual aid through CalWARN.
- **Operational Area (OA).** The EOCWD is an active participant in the Orange County OA across all phases of emergency management, including operational coordination between the EOC and the OA EOC.

Table 5-1. EOCWD Emergency Activation Levels

Level	Type	Definition	EOCWD	Notifications
High	Disaster	- District resources are overwhelmed, and extensive county, State, and/or Federal resources are required. - Loss of water supply, water, contamination outbreak, total loss of power, cyber incident with business and operational impacts, loss of physical security with damage to multiple facilities or equipment, major earthquake or wildfire with impacts to EOCWD.	- Implement ERP. - On-scene Incident Command and Incident Command Post (ICP) established. - EOCWD EOC Full Activation. - Local disaster declaration issued.	- EOCWD Board of Directors - General Manager, Department Managers, staff, applicable contractors - Orange County Sheriff's Department (OCSD) and local police departments - Orange County Fire Authority (OCFA), City of Orange Fire Department - Metropolitan and WEROC - Orange County EOC - City of Tustin EOC and Public Works
Medium	Major Emergency	- District resources are not adequate and mutual aid is required; incident requires enhanced coordination. - Unsafe water supply, collapse of reservoirs, loss of power or public safety power shutoff (PSPS) with localized impacts, cyber incident with business operations impacts, loss of physical security or damage to a facility or select equipment, earthquake or wildfire with potential impacts to EOCWD.	- Implement ERP. - On-scene Incident Command and ICP established. - EOCWD Partial EOC Activation. - Local disaster declaration not issued.	- EOCWD Board of Directors, General Manager, Department Managers, staff, applicable contractors - OCSD and local police departments - OCFA, City of Orange Fire Department - Metropolitan and WEROC - Orange County EOC - City of Tustin, EOC and Public Works
Low	Minor Emergency	- Emergency can be managed by first responders and within available EOCWD resources. - Individual main break or equipment failure.	- Implement ERP, as needed. - On-scene Incident Command established and ICP if required. - EOCWD EOC not activated. - Local disaster declaration not issued.	EOCWD General Manager and Department Managers

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER 
SUBJECT: CHLORAMINE SYSTEM EQUIPMENT PURCHASE
DATE: SEPTEMBER 10, 2026

Background

The Wholesale System assets include three water reservoirs of storage capacities of 1 million gallons (MG), 6 MG, and 11.5 MG. Two of the three reservoirs have chloramine injection and mixing systems installed while the third reservoir has only mixers installed. Staff has generally been able to manage water quality in the Wholesale System by utilizing the chloramine booster systems and performing system flushing, as needed.

The District previously contracted with PSI Water Technologies for two reservoir chloramination systems at the 1 MG and 11.5 MG reservoir sites. The systems consist of a tank mixer and an enclosed chloramination trailer containing a water quality station, ammonia and sodium hypochlorite storage tanks, a sample pump, and chemical injection pumps. The systems have been proven to be effective in improving water quality in the reservoirs and helping to reduce flushing in the Wholesale Zone.

With recent retailer PFAS treatment plants coming online, the demands in the Wholesale System have seen a significant decline, thus presenting more operational challenges in order to maintain water quality throughout the system. Staff is proposing to add a chloramine injection system at the remaining reservoir in an effort maintain a disinfectant residual since the water has a longer detention time due to the decreased demands.

Staff solicited quotes from vendors for chloramination equipment to be installed at the remaining reservoir site. Two quotes for the new system were received and are summarized below. The quotes include taxes, freight, and training.

Chloramine Equipment Quotes	
D&H Water Systems	\$ 94,300
PSI Water Technologies	\$ 169,900

Installation of the system will be provided by staff with assistance from an electrician where necessary.

Fiscal Impact

Staff proposed an overall budget of \$1,450,000 for Wholesale Reservoir Management Systems in the FY26/27 budget. The intended budget covers improvements to all three reservoir sites, with a goal of making the equipment more permanent at all three sites along with full SCADA integration, since the mobility of the trailers is no longer necessary. Staff is still evaluating the improvements at the other two reservoir sites and may bring future items for Committee and Board approval.

Recommendation

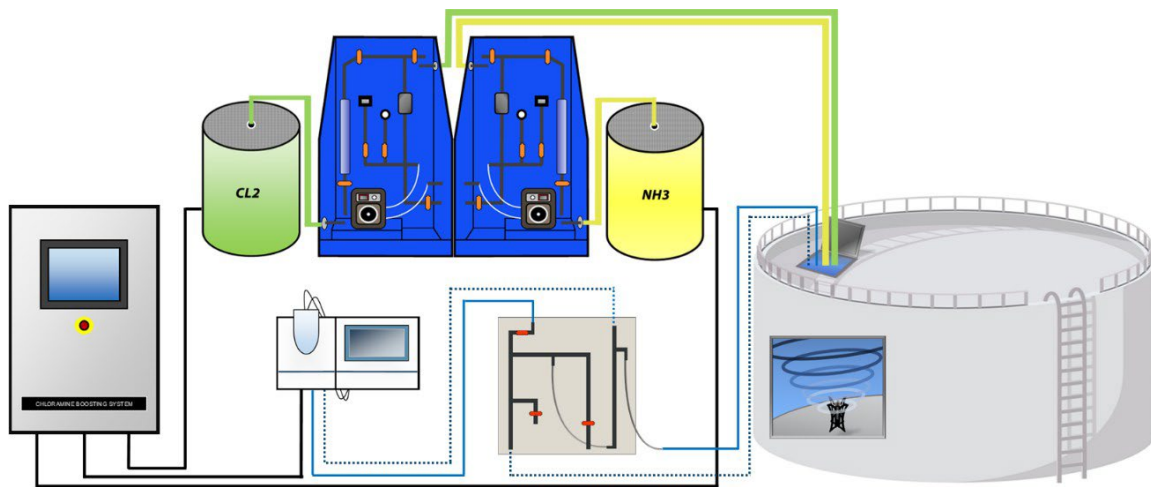
That the Committee authorize the General Manager to execute a Purchase Order in the amount of \$94,300 with D&H Water Systems to cover costs associated with equipment, freight, startup, and training.

Attachment(s):

Equipment Proposal

CHLORAMINE BOOSTING SYSTEM Equipment PROJECT PROPOSAL

Project Name:	CBS System Equipment
Tank Size:	6 Million Gallon
Prepared for:	East Orange County Water District
Proposal Date:	September 4, 2026



Prepared by:	Dan Hartwig
Address:	603 Seagaze Dr, #241 Oceanside, CA 92054
Phone Number:	
Email:	dan@dandhwatersystems.com



September 4, 2026

Re: CBS System Equipment

Dear Bobby Young,

Thank you for your interest in the Chloramine Boosting System manufactured by Big Wave Water Technologies, Inc.

System Features & Advantages

The Chloramine Boosting System is an automated disinfectant system that gives municipal operators the capability to set and control chlorine residual levels in potable water storage tanks. The Chloramine Boosting System uses water quality instruments, active mixing, and an automated chemical feed system to set and maintain chlorine residual levels in water storage tanks.

Our Chloramine Boosting System is comprised of all the equipment essential for a complete system, including:

1. High energy mixing to guarantee a uniform water quality throughout reservoirs.
2. Precise chemical dosing at the correct chlorine-to-ammonia ratio.
3. 24/7 monitoring and control logic to react to every water quality in potable water reservoirs.

The Chloramine Boosting System allows operators to:

1. Set and maintain constant chlorine levels within water storage tanks.
2. Continuously blend disinfectant residual and eliminate thermal stratification.
3. Remove the need for manual addition of chemicals.
4. Quickly react to changes in water quality automatically.

The Tidal Wave Mixer is a submersible active mixing system for potable water storage tanks and reservoirs. The Tidal Wave Mixer can quickly eradicate thermal stratification, quickly mix and deliver dosages of residual chlorine, and maintain uniform chemical and temperature conditions throughout the tank.



A comprehensive scope of supply and price for the complete system is listed in **Section 1** of this proposal, the proposal acceptance is in **Section 2**, and the terms and conditions are in **Section 3**.

We look forward to working with you on this project. If we can be of any further assistance, please do not hesitate to contact our sales representative Dan Hartwig at D&H Water Systems, Inc. at .

For a period of one year from the installation date, Big Wave Water Technologies offers a full refund if the customer becomes dissatisfied with our equipment for any reason.

Sincerely,

Kevin Chapa

CC: Dan Hartwig, D&H Water Systems, Inc.

Section 1

SCOPE OF SUPPLY

- I. Scope of Supply by Big Wave Water Technologies
- II. Scope of Work by Others
- III. Clarifications
- IV. Terms of Payment
- V. Delivery

I. SCOPE OF SUPPLY BY BIG WAVE WATER TECHNOLOGIES – Chloramine Boosting System

The following equipment and services constitute our scope of work. All equipment will be manufactured in accordance with the descriptions below.

Item	Description	Quantity
CBS Control Panel	- Power: 120VAC, 10 amp circuit breaker - HMI 10" LCD Touch Screen - Emergency stop button on panel - CBS Control Logic Program - SCADA connectivity with read/write capabilities for remote access and control via ethernet cable - Full communication for all components of the CBS - Dimensions: 24" W x 20.5" H x 14" D - Material of Construction: NEMA 4 FRP enclosure - Easily integrated plug-in components - Includes Qty (2) Prominent Dulcolevel Radar Level Sensors - Measurement of any tanks up to a height of 15m - 4 - 20mA Output	1
CBS Analyzer	Hach CLT10 Total Chlorine Analyzer with ORP - Reagentless, Electrochemical, Three-Electrode Amperometric System with SC Controller Package - Measuring Range 0-10 ppm for Total CL - SC4500 Controller (SC200 has been replaced by the SC4500) - Total Chlorine & ORP Probe Included - Modbus - 2 Digital Sensors - 100-240 VAC	1
Chlorine Chem Feed Skid	Chemical: Sodium Hypochlorite 12.5% Skid: Blue High Density Marine Grade Polyethylene that is 100% UV inhibited and chemical resistant Piping: 1/2" SCH80 PVC, Viton seals Skid Accessories: Calibration column (250 ml), flow indicator, pressure relief valve, pressure gauge, pressure switch, check valve, and ball valves ProMinent DULCOFLEX (DFXa) Peristaltic Metering Pump 7.9 GPH, 72.5 PSI, NSF 61 Certified 3,000:1 Turndown Ratio 1-Year Warranty	1

	All skids shall be pre-plumbed prior to shipment *Please reference the chemical feed skid brochure for specific details*	
Ammonia Chem Feed Skid	Chemical: Liquid Ammonium Sulfate (LAS) Skid: Blue High Density Marine Grade Polyethylene that is 100% UV inhibited and chemical resistant Piping: 1/2" SCH80 PVC, EPDM seals Skid Accessories: Calibration column (250 ml), flow indicator, pressure relief valve, pressure gauge, pressure switch, check valve, and ball valves ProMinent DULCOFLEX (DFXa) Peristaltic Metering Pump 7.9 GPH, 72.5 PSI, NSF 61 Certified 3,000:1 Turndown Ratio 1-Year Warranty All skids shall be pre-plumbed prior to shipment *Please reference the chemical feed skid brochure for specific details*	1
250 Gallon Dual Wall Sodium Hypochlorite Storage Tank	- IMT0250X19/X19 Dual Wall 250 Gal Storage Tank 47" DIA x 61" HGT - MK07 Threaded Manway Cap - DWTDM075 Double Male Titanium Fitting - BHPVV100 1" Bulkhead Fitting For Fill Line - FLPVTVV100 1" Fill Line - MVPP300 3" Mushroom Vent Assembly - R-Float Reverse Float Level Indicator	1
Radar Level Sensor	Prominent Radar Level Sensor for Sodium Hypochlorite and LAS Drums	2
U-line Drum Containment	U-Line 1 Drum Containment	2
Sta-Rite Sample Pump	Sta-Rite Submersible Pump for Water Sample	1
3/8" Poly Tubing	1000' of 3/8" Polyethylene tubing	1
1/2" Poly Tubing	500' of 1/2" Polyethylene tubing	1
Submittal	Sent Electronically	1
Startup & Training	D&H Water Systems service tech to assist with startup and training	2
Shipping & Handling	Shipping and Handling - FOB Shipping Point.	1



Pricing

Subtotal For Equipment	<u>\$88,000.00</u>
Freight Cost (FOB Oceanside, CA)	<u>\$1,500.00</u>
Startup & Training	<u>\$4,800.00</u>
Total Lot Price	\$94,300.00

II. SCOPE OF WORK BY OTHERS

1. Receiving and unloading of equipment.
2. External and secondary containment of piping.
3. Chemical supply.
4. Labeling of chemical storage tanks. Check local regulations and requirements for safest environment.
5. Proper distance between chemical storage tanks must be maintained according to local regulations.
6. Any and all civil, underground, or structural work.
7. Supply, design, and calculations for anchor bolts and necessary restraints.
8. Anything pertaining to freeze protection.
9. All taxes, fees, lien waivers, bonds, and licenses.
10. Permitting or regulatory approval.
11. Any items not explicitly listed under Scope of Supply by Big Wave Water Technologies.
12. Hiring diver to attach feedlines to existing Pax Mixer
13. Running new conduits for chemical and sample from Conex box to reservoir

III. CLARIFICATIONS

14. All equipment, excluding Tidal Wave Mixers, must be installed in an indoor location with proper ventilation.
15. Sample water flow required is 10 GPH for analyzer.
16. Reservoir Low Water Level must be above 6' for the Tidal Wave Mixer to function properly.
17. The water sample after passing the Analyzer is presumed to be drained to a nearby drain.
18. A change in the selection of the chlorine analyzer may delay the delivery schedules spelled out in this scope of supply.
19. Big Wave Water Technologies recommends adding secondary containment to hypochlorite and ammonia chemical tanks.
20. Installation inspection, startup, and operator training can be provided by a Big Wave Water Technologies representative for a mutually agreed fee if they are not included in the Big Wave Water Technologies Scope of Supply above. Whether or not Big Wave Water Technologies is providing startup services, Big Wave Water Technologies will provide a startup checklist.
21. Big Wave Water Technologies requires a minimum of three (3) weeks' notification prior to performing onsite installation inspection, system startup and training. Big Wave Water Technologies will work with you to attempt to facilitate scheduling needs.
22. Once the onsite service has been scheduled, Big Wave Water Technologies requires a minimum of one (1) week notification in the event of a delay. Notice of delay received less than one (1) week prior to a scheduled site visit may result in a change fee.
23. Do not mix sodium hypochlorite and ammonia, as toxic vapors will be produced.

IV. TERMS OF PAYMENT

- Net 30 Days
- Price Valid for 90 Days

V. DELIVERY

- Submittal: After Receipt of Fully Executed Order 3-4 Weeks
- Equipment Shipment: After Approval of Submittals (expediting is available under certain circumstances)

Section 2

PROPOSAL ACCEPTANCE

Chloramine Boosting System
Big Wave Water Technologies, Inc.

- I. Big Wave Water Technologies, Inc., Seller (D&H Water Systems, Inc.) proposes to furnish the equipment described in this proposal. Any items not shown above as detailed under “Scope of Supply by Big Wave Water Technologies” are EXCLUDED. In addition:
 - A. Seller’s price will be held valid for a period of 90 days from the date of this proposal (August 26, 2026). Seller shall have the right to reprice this proposal if the Buyer’s (East Orange County Water District) order is received more than 90 days beyond the Proposal Date or delivery more than 365 days after commercial agreement or if the scope of supply has changed.
 - B. Prices are in US dollars.
 - C. Local or state taxes are not included in this proposal.
- II. This proposal by Seller is conditional upon: (i) Seller’s written receipt of the signed proposal, a purchase order; and (ii) Buyer’s acceptance to the terms and conditions contained in this proposal, such positions to take precedence in the event of conflict with any other terms or documents incorporated into the contract arising out of this proposal unless otherwise agreed in a writing, signed by Seller; and (iii) satisfactory completion of an anti-corruption due diligence review, if applicable.
- III. All of the information supplied by Seller in connection with this proposal (including drawings, designs, and specifications) is confidential and proprietary and has been arranged for Buyer’s use in evaluating the purchase of the equipment and services described here. Broadcast of all or any part of the material to others or use by Buyer for any purpose other than such evaluation, is expressly prohibited without Seller’s prior written consent.



IV. Please return a signed copy of this proposal and send your purchase order to:

D&H Water Systems, Inc.

603 Seagaze Dr, #241

Oceanside, CA 92054

Phone:

E-mail: dan@dandhwatersystems.com

Thank you for your interest in Big Wave Water Technologies, Inc. We are dedicated to meeting your expectations.

Proposal Acceptance

An authorized signature indicates Buyer's acceptance of this proposal, including without limitation Seller's Terms and Conditions below.

Company Name

Buyer's Name (Printed)

Buyer's Authorized Signature

Date

Section 3

TERMS AND CONDITIONS

Chloramine Boosting System

1. **Applicable Terms.** Big Wave Water Technologies, Inc., Seller (D&H Water Systems, Inc.) will sell, and the buyer (East Orange County Water District) will purchase, the products and/or services referred to in Seller's proposal or quotation (collectively, the "Products"), subject to these terms and conditions, including the Warranty Attachments hereto (the "Warranty Attachments," and such Warranty Attachments, together with these Terms and Conditions, being referred to herein as the "Terms"). The front page of Buyer's purchase order (disregarding any reference to terms and conditions and any provisions that conflict with the Terms), if any, together with the description of the Products in Seller's proposal or quotation and the Terms, constitute the complete and exclusive agreement between the parties related to the purchase and sale of the Products (the "Agreement"). All prior communications, documents, negotiations, and representations, if any, are merged herein. Whether the Terms are included in an offer or an acceptance by Seller, such offer or acceptance is conditioned on Buyer's assent to the Terms. Any additional, different, or conflicting terms contained in Buyer's request for proposal, specifications, purchase order or any other written or oral communication from Buyer shall not be binding in any way on Seller, whether they would materially alter this document, and Seller hereby objects thereto. All orders are subject to prior credit approval by Seller.
2. **Pricing.** The prices shall be as stated in Seller's proposal or order acknowledgment.
3. **Payment.** Unless otherwise stated, all payments shall be net 30 days from invoice date payable in United States Dollars. Unless provided otherwise in Seller's proposal, 20% of the purchase price will be invoiced on approved submittals, and 80% will be invoiced on shipment. If Buyer fails to make any payment to Seller when due, Buyer's entire account(s) with Seller will become immediately due and payable without notice or demand. Buyer will pay 1½% interest per month, compounded monthly, on all amounts not received by the due date. Buyer hereby grants Seller a purchase money security interest in the Products until such time as Seller is fully paid. Buyer will assist Seller in acting to perfect and protect Seller's security interest. Seller may make partial shipments, in which case, Buyer shall pay for each shipment in accordance with the terms hereof.
4. **Taxes, Shipping, Packing.** Except to the extent expressly stated otherwise in Seller's proposal, prices do not include any freight, storage, insurance, taxes, excises, fees, duties or other government

charges, and Buyer shall pay such amounts or reimburse Seller for any such amounts Seller pays. If Buyer claims a tax or other exemption or direct payment permit, it shall provide Seller with a valid exemption certificate or permit and indemnify, defend, and hold Seller harmless from any taxes, costs, and penalties arising out of same. Prices include the costs of Seller's standard domestic packing only. Any deviation from standard packing (domestic or export) shall result in extra charges. All increases, changes, adjustments, or surcharges (including fuel surcharges) which may arise in connection with the freight charges, rates or classification included as part of the Agreement, shall be for the Buyer's account.

5. **Delivery.** Products shall be delivered F.O.B. Seller's point of shipment. All delivery dates are estimated and are dependent in part upon prompt receipt of all necessary information from Buyer, including submittal approvals, if applicable, and all required commercial documentation. Seller will make a good faith effort to complete delivery of the Products on the date and to the location specified in writing by Buyer, but Seller assumes no liability for loss or damage due to delay or inability to deliver, whether such loss or damage was made known to Seller. If Buyer causes or requests a shipment delay, or if Seller ships or delivers the Products erroneously because of inaccurate, incomplete, or misleading information supplied by Buyer or its agents or representatives, storage and all other additional costs and risks will be borne solely by Buyer. Any claims for Products damaged or lost in transit ("Transit Losses") must be made by Buyer to the carrier and reported to Seller within one business day following delivery to Buyer.
6. **Inspection and Acceptance.** Buyer will have seven days from the date Buyer receives any Products to inspect such Products for defects and nonconformance which are not due to Transit Losses, and to notify Seller, in writing, of any defects, nonconformance or rejection of such Products. After such seven-day period, Buyer will be deemed to have irrevocably accepted the Products, if not previously accepted. After such acceptance, Buyer will have no right to reject or revoke acceptance of the Products for any reason.
7. **Returns and Cancellation.** Buyer may not return custom engineered Products. Buyer may return other Products only with Seller's prior written approval, which may be withheld in Seller's sole discretion. Any authorized return will be subject to payment of a restocking charge and will be allowed only if the subject Product: (i) is in new condition, suitable for resale, and (ii) has not been used, installed, modified, altered, or damaged. The restocking charge for authorized returns will be no less than (a) 25% of the purchase price, net of any freight charges included in the purchase price, plus (b) 100% of freight costs incurred by Seller. Buyer is responsible for the payment or reimbursement of return freight charges. Returns will be shipped F.O.B. Seller's location. Seller may, but will not be obligated to, treat any cancellation of an accepted order as an authorized return.

8. **Force Majeure.** Seller will have no liability for any breach caused by extreme weather or other act of God, strike or other labor shortage or disturbance, fire, accident, war or civil disturbance, delay of carriers, failure of normal sources of supply, act of government, or any other cause beyond Seller's reasonable control.
9. **Warranty.** Seller warrants (i) the principal components of the Chloramine Boosting System(s) identified in the applicable Warranty Attachment as set forth in such Warranty Attachment, and (ii) the Tidal Wave Mixer(s) as set forth in the applicable Warranty Attachment. Seller warrants that all other Products will be free from defects in material and workmanship for 12 months from initial operation or 18 months from shipment, whichever is earlier (the "Warranty Period"). Seller's warranties are conditioned on (i) the Product being stored, installed, operated and maintained in accordance with Seller's instructions; (ii) no repairs, modifications or alterations being made to the Product other than by Seller or its authorized representatives; (iii) Buyer providing prompt written notice of any warranty claims within the Warranty Period; (iv) Seller's verification of the claimed breach of warranty; and (v) at Seller's discretion, Buyer either removing and shipping the Product or non-conforming part thereof to Seller, at Buyer's expense, or Buyer granting Seller access to the Product at all reasonable times and locations to assess the warranty claims. Seller's warranties do not apply to software and do not cover ordinary wear and tear. If the claimed breach of warranty is verified by Seller, then, as the sole and exclusive remedy of Buyer or the initial end-user of the Product, Seller will, at Seller's sole option (a) repair the applicable Product or component free of charge, or (b) replace the applicable Product or component free of charge F.O.B. Buyer's facility. The warranty on repaired or replaced Products or component parts is limited to the remainder of the original Warranty Period. Buyer shall be responsible for (1) any labor required to gain access to the Product or component or so that Seller can assess the available remedies; and (2) all costs of installation of repaired or replacement Products or components.

THE WARRANTIES SET FORTH IN THIS SECTION 9 AND IN THE WARRANTY ATTACHMENTS ARE INTENDED TO BE SELLER'S SOLE AND EXCLUSIVE WARRANTIES WITH RESPECT TO THE PRODUCTS AND SELLER'S WARRANTIES ARE SUBJECT TO SECTION 10 BELOW. SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, OR ANY WARRANTIES THAT MIGHT ARISE FROM COURSE OF DEALING OR USAGE OF TRADE. NOTWITHSTANDING THE FOREGOING, IF IT IS ALLEGED OR DETERMINED THAT SELLER HAS MADE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BY COURSE OF DEALING OR USAGE OF TRADE, SUCH OTHER WARRANTIES SHALL BE SUBJECT TO ALL THE CONDITIONS, LIMITATIONS AND PROCEDURES SET FORTH IN THIS SECTION 9, THE WARRANTY ATTACHMENTS, AND SECTION 10 BELOW.

10. **LIMITATION OF LIABILITY.** NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE PRODUCTS WILL NOT EXCEED THE PURCHASE PRICE PAID FOR THE PRODUCTS. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY. THE REMEDIES SET FORTH IN THIS AGREEMENT ARE INTENDED TO CONSTITUTE A COMPLETE ALLOCATION OF THE RISKS BETWEEN THE PARTIES, AND BUYER ACKNOWLEDGES THAT IT IS KNOWINGLY LIMITING THE REMEDIES THAT MIGHT OTHERWISE BE AVAILABLE TO BUYER. BECAUSE THIS AGREEMENT AND THE PRICE PAID REFLECT SUCH ALLOCATION, THE REMEDIES PROVIDED TO BUYER HEREUNDER WILL NOT HAVE FAILED OF THEIR ESSENTIAL PURPOSE EVEN IF THEY OPERATE TO BAR RECOVERY FOR CERTAIN DAMAGES THAT BUYER MAY INCUR.
11. **Remedies of Seller.** Any of the following will constitute an event of default which will enable Seller, at its option and without liability to Buyer, to cancel any unexecuted portion of the order that is the subject of this Agreement and to exercise any other right or remedy expressed herein or otherwise available at law or in equity: (i) the failure of Buyer to make any payment required hereunder when due ("Payment Default") or to perform any other term or condition contained herein; (ii) the insolvency of Buyer or its failure to pay its debts as they mature, an assignment by Buyer for the benefit of its creditors, the appointment of a receiver for Buyer or for the materials covered by this Agreement, or the filing of any petition to adjudicate Buyer bankrupt; (iii) a failure by Buyer to provide adequate assurance of performance within ten days after a justified demand by Seller; or (iv) if Seller, in good faith, believes that Buyer's prospect of performance under this Agreement is impaired. Seller's obligations under Section 9 hereof and the Warranty Attachments will be suspended during the pendency of any Payment Default. No such suspension will extend Seller's obligations under Section 9 or the Warranty Attachments beyond the period provided therein. Seller's election of any remedy in the event of a default by Buyer will not preclude Seller from exercising any other remedy available to Seller hereunder or at law or in equity for the same or any other default. In the event it becomes necessary to incur any expense for collection of any overdue account, Seller's collection charges, including attorneys' fees and expenses, will be added to the balance due and Buyer will pay all such charges together with interest thereon from the date incurred in accordance with Section 3.
12. **Equal Employment Opportunity.** Seller is an equal opportunity employer. The parties shall, as applicable, abide by the requirements of 41 CFR 60-1.4(a), 41 CFR 60-300.5(a), 41 CFR 60-741.5(a) and Executive Order 13496 (29 CFR Part 471, Appendix A to Subpart A) (relating to the notice of employee rights under federal labor laws), and these laws are incorporated herein by reference.

13. **Export Compliance.** Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal, and usage of the Products provided under the Agreement, including any export license requirements. Buyer agrees that such Products shall not at any time directly or indirectly be used, exported, sold, transferred, assigned, or otherwise disposed of in a manner which will result in non-compliance with such export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be always maintained. BUYER WILL INDEMNIFY, DEFEND AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.
14. **Miscellaneous.** No part of this Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. As used in this Agreement, “including” and its variants mean “including without limitation” and its variants. No course of dealing or performance, usage of trade, or failure to enforce any term will be used to modify the Agreement. Buyer acknowledges that it has not relied upon any letters of intent, agreements, promises, negotiations, statements, or representations other than those expressly set forth in this Agreement and that no such extraneous document or other communication shall be of any force or effect. Buyer agrees and warrants that in entering into this Agreement, Buyer is relying solely upon the information contained in this Agreement and not in reliance upon any other information. If any of the Terms is unenforceable, such Term will be limited only to the extent necessary to make it enforceable, and all other Terms will remain in full force and effect. Buyer may not assign this Agreement without Seller’s prior written consent. This Agreement will be governed by the laws of the State of California without regard to its conflict of law’s provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is excluded. Any bond issued by Seller in connection with the sale of the Products shall remain in effect for a maximum of two (2) years after acceptance of the Products, and the only warranty, guaranty or Product performance obligations covered thereby shall be those at Section 9 above and in the Warranty Attachments. All Product performance obligations of Seller are contingent on the design criteria and the condition of the influent and the raw materials being as specified by Seller and will be considered satisfied and discharged upon successful completion of the initial Product performance testing. EACH OF THE PARTIES IRREVOCABLY AND UNCONDITIONALLY WAIVES ITS RIGHT TO TRIAL BY JURY IN RESPECT OF ANY LEGAL PROCEEDING DIRECTLY OR INDIRECTLY ARISING IN CONNECTION WITH THE TRANSACTION CONTEMPLATED HEREBY.



Control Panel

Product Specifications

CBS CONTROL PANEL



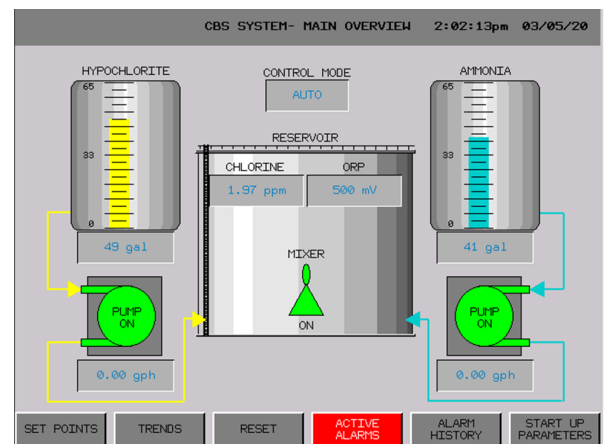
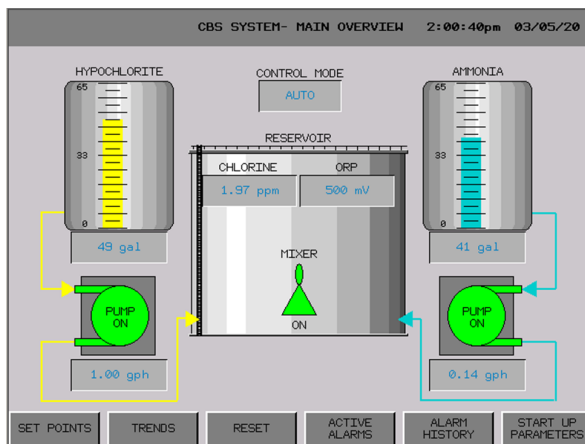
PRODUCT INFORMATION

The CBS Control Panel gives operators the ability to program residual level setpoints, chlorine to ammonia ratios, chemical feed rates, and alarms

- 24/7 water quality analysis
- Remote monitoring
- Touch screen enabled

CONTROL PANEL SPECIFICATIONS

Power Requirement	120VAC, 10 amp circuit breaker
Remote Connectivity	Yes
SCADA Connectivity	Yes
Safety Features	Emergency stop button on panel
Data Trending	Yes
Internal Memory Backup	Yes
Screen	10" LCD Touchscreen
Enclosure	NEMA 4X FRP
Dimensions	24" W x 30.5" H x 14" D



For more information call 667-BIG-WAVE

www.BIGWAVEWATER.com



Digital Controller SC4500

Applications

- Wastewater
- Drinking Water
- Industrial
- Other



Ready for Now. Ready for the Future.

Technologies are advancing rapidly, providing new levels of convenience, accuracy, and efficiency. Which is exactly why the SC4500 Controller from Hach® is designed to integrate easily into your current system while allowing you to upgrade as your capabilities advance, without having to replace inventory. With a wide range of analog and digital connectivity options and the availability of intelligent instrument and data management features, the SC4500 unlocks the future, today.

Easy Adoption

The familiar experience of a modern touchscreen, the ability to use your current Hach sensors, and the same footprint as the SC200, make installation and integration of the SC4500 Controller seamless.

No Time for Downtime

The SC4500's built-in predictive diagnostic software ensures measurement confidence and reduces the risk of unexpected equipment downtime by enabling proactive maintenance planning via MSM, including step-by-step instructions.

The Connectivity Options You Need

The Controller provides local communication to SCADA or a PLC, as well as remote access through a secure, cloud-based connectivity option to integrate with Claros, the Water Intelligence System from Hach. From analog and advanced digital protocols to Wi-Fi, cellular or LAN, the SC4500 gives you the flexibility to adapt in a rapidly changing world.

The power of Hach's real time controls (RTC) software is now hosted on the SC4500 controller. Take advantage of the potential energy, chemical and labor savings, from a simple and environmentally friendly solution.

Technical Data*

Description	Microprocessor-controlled and menu-driven controller that operates the sensor
Dimensions	½ DIN - 144 x 144 x 192 mm (5.7 x 5.7 x 7.6 in.)
Weight	3.7 lb (controller only, w/o modules)
Display	3.5-inch TFT colour display with capacitive touchpad
Enclosure Rating	UL50E type 4X, IEC/EN 60529-IP 66, NEMA 250 type 4X Metal enclosure with a corrosion-resistant finish
Operating Temperature Range	-20 to 60 °C (-4 to 140 °F) (8 W (AC)/9 W (DC) sensor load) -20 to 45 °C (-4 to 113 °F) (28 W (AC)/20 W (DC) sensor load) Linear derating between 45 and 60 °C (-1.33 W/°C)
Storage Conditions	-20 - 70 °C (-4 - 158 °F), 0 - 95% relative humidity, non-condensing
Altitude	3000 m (9842 ft) maximum
Installation Category	Category II
Indoor/Outdoor	Outdoor installation in direct sunlight or UV radiation requires UV protection screen and/or sunroof
Pollution Degree	4
Protection Class	I, connected to protective earth
Power requirements	AC controller: 100-240 VAC ±10%, 50/60 Hz; 1 A (28 W sensor load) DC controller: 24 VDC +15% -20%; 2.5 A (20 W sensor load)
Measurements	Two device digital SC connectors
Relays	Two relays (SPDT); Wire gauge: 0.75 to 1.5 mm ² (18 to 16 AWG) AC controller Maximum switching voltage: 100 - 240 VAC Maximum switching current: 5 A Resistive/1 A Pilot Duty Maximum switching power: 1200 VA Resistive/360 VA Pilot Duty DC controller Maximum switching voltage: 30 VAC or 42 VDC Maximum switching current: 4 A Resistive/1 A Pilot Duty Maximum switching power: 125 W Resistive/28 W Pilot Duty
Communication (optional)	Analog: Five 0-20 mA or 4-20 mA analog outputs on each analog output module Up to two analog Input modules (0-20 mA or 4-20 mA). Each input module replaces a digital sensor input. Digital: Profibus DPV1 module Modbus TCP Profinet IO module Ethernet IP module
Network Connectivity	LAN: Two Ethernet connectors (10/100 Mbps) Cellular: External 4G Wi-Fi
USB Port	Used for data download and software upload. The controller records approximately 20,000 data points for each connected sensor.
Compliance Certifications	CE, ETL certified to UL and CSA safety standards (with all sensor types), FCC, ISED, KC, RCM, EAC, UKCA, SABS, C (Morocco)
Warranty	12 months
Compatible Network Technologies	GSM 3G/4G (e.g. AT&T, T-Mobile, Rogers, Vodafone etc.) CDMA (e.g. Verizon)

*Subject to change without notice.

Compatible Instruments / Software Version (Release Year)

Amtax sc / V2.30 (2018) or higher

A-ISE sc / V1.02 or higher

AN-ISE sc / V1.08 (2013) or higher

N-ISE sc / V1.02 or higher

Nitratax clear sc, Nitratax eco sc,
Nitratax plus sc / V3.13 (2013) or higher

Phosphax sc / V2.30 (2018) or higher

Phosphax sc LR/MR/HR / V1.01 (2018)
or higher

TSS sc / V41.73 (2013) or higher

Solitax sc / V2.20 (2013) or higher

TU5300sc, TU5400sc / V1.34 (2017)
or higher

SS7 sc (in Bypass) / V1.06 (2006) or higher

Ultraturb sc / V3.06 (2017) or higher

1720E / V2.10 (2006) or higher

Sonatax sc / V1.15 (2016) or higher

CL17sc / V2.7 (2019) or higher

CL10sc / V1.14 (2013) or higher

9184sc, 9185sc, 9187sc* / V2.03 (2013)
or higher

Uvas plus sc / V3.01 (2017) or higher

LDO 2 sc* / V1.22 (2013) or higher

3798sc* / V2.03 (2013) or higher

3700sc + Inductive Conductive Digital
Gateway 6120800 / V3.00 (2017) or higher

3422sc, Analog 3400 + Contacting Cond.
Digital Gateway 6120700 / V3.00 or higher
pHD sc*, pHD-S sc / V3.10 (2016) or higher
1200-S sc* / V2.04 (2013) or higher

pHD analog + Digital Gateway 6120500 /
V3.00 (2017) or higher

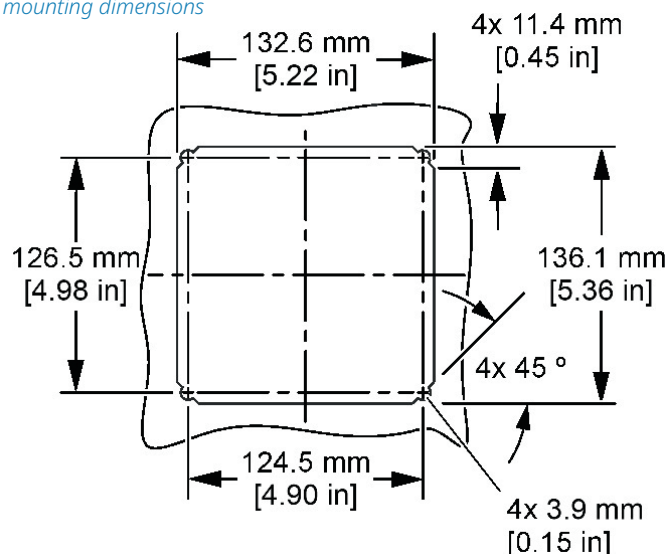
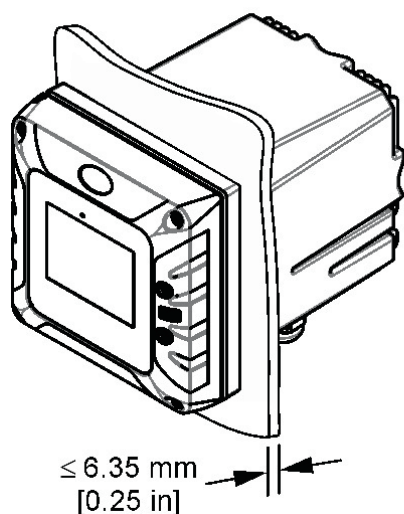
RC and PC analog sensor + Digital Gateway
for conventional analog pH and ORP
sensors 6120600 / V3.00 (2017) or higher

8362sc* / V3.00 (2017) or higher

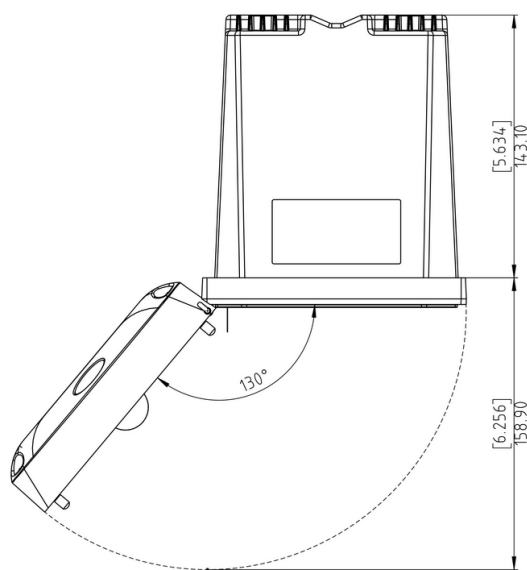
**Hardware Version 1 of instrument is not supported*

Dimensions

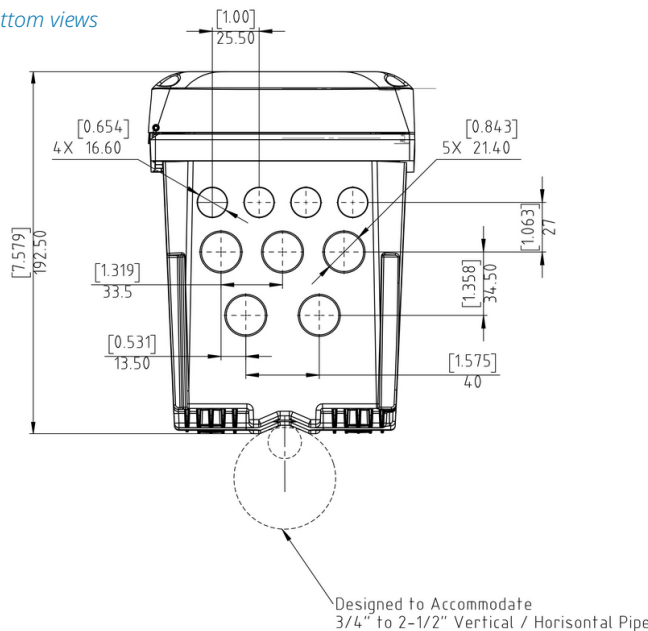
Panel mounting dimensions



Top and bottom views



Door Opening Details



Designed to Accommodate
3/4" to 2-1/2" Vertical / Horizontal Pipe



CHEMICAL FEED SKIDS

Product Specifications

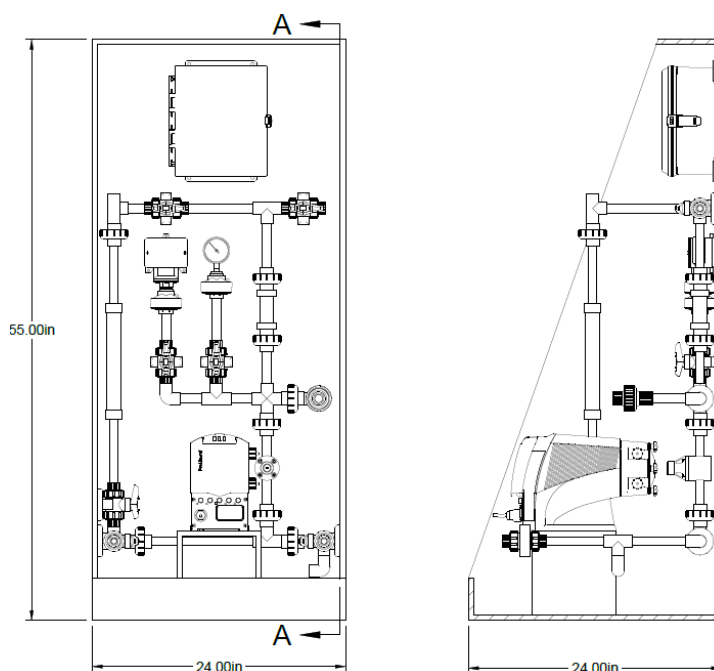
Chemical Feed Skids



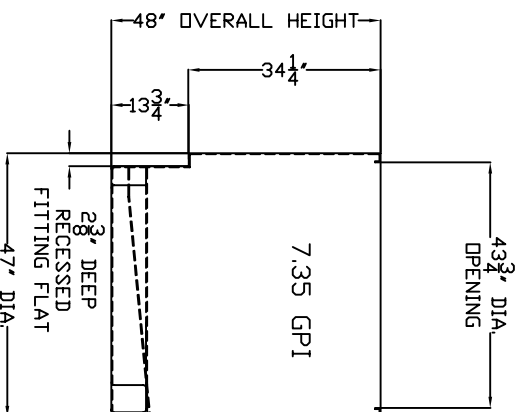
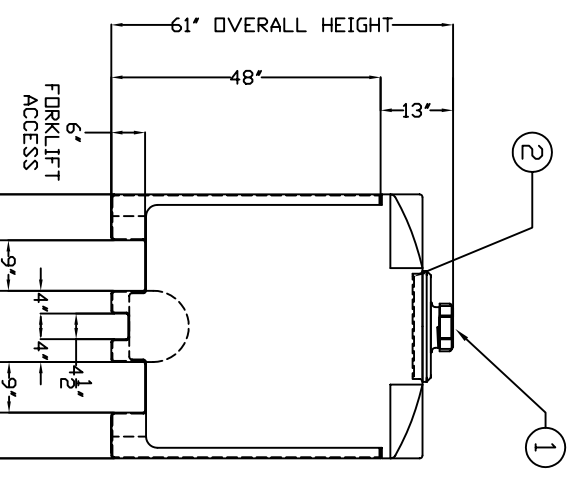
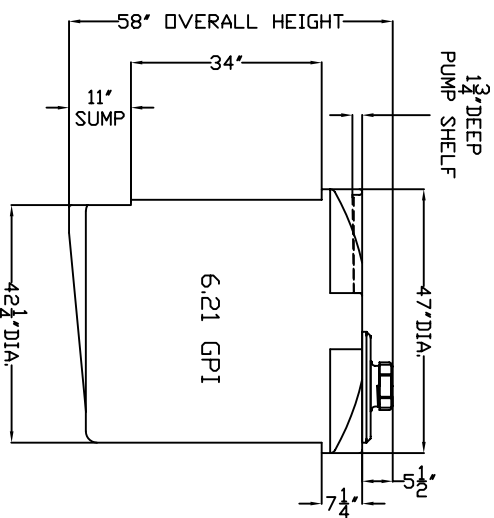
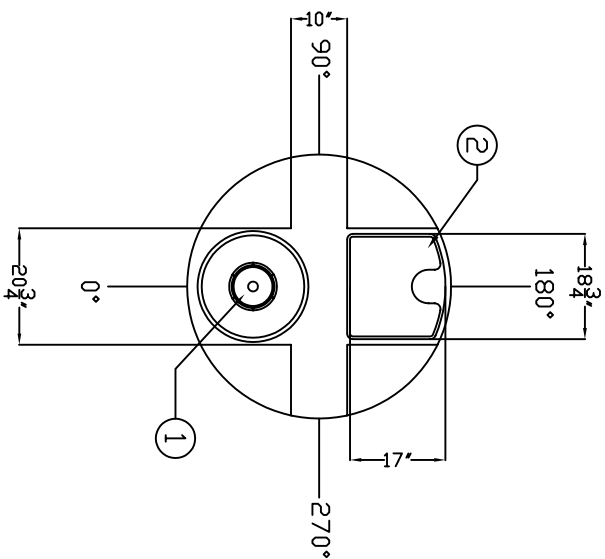
CHEMICAL FEED SKID SPECIFICATIONS	
Skid	High Density Polyethylene
Pump	Prominent DULCO Flex Peristaltic Metering Pump
Piping	Schedule 80 PVC
Tubing	3/8" O.D PFA NSF 61 Certified
Ball Valves	True Union, PVC Body
Pressure Relief Valve	PVC Body, adjustable pressure range 10 - 150 PSI
Calibration Cylinder	PVC Body, end caps, 250 ml / GPH
Pressure Gauge	2 1/2" dial, liquid filled stainless steel gauge
Pressure Switch	0 - 100 PSI, N.O. / N.C.
Check Valve	PVC Body, cracking pressure 1.0 - 1.5 PSI
Secondary Containment	9 gallons secondary containment
Dimensions	24" W x 50" H x 20" D

Product Information

- Manufactured out of Marine Grade High Density Polyethylene
- Built-in spill containment
- Pressure relief valve
- Pressure gauge, calibration column, pressure switch
- Socket welded joints to eliminate threaded connections
- Multiple unions for ease of maintenance
- Built in-leak detection
- Multiple pump options
- Built to your specification



For more information call
667-BIG-WAVE
www.BigWaveWater.com



ACCESSORIES			
MK	SIZE	DESCRIPTION	DEG ELEV DOME

- NOTES:
- 1 7" ACCESS V/ THREADED LID AND RIM
 - 2 MOLDED IN PUMP SHELF
 - 3 PRIMARY CALCULATED GALLONS PER INCH: 6.21 GPI
 - 4 CALCULATED STRAIGHT SIDE CAPACITY: 250 GAL.
 - 5 SECONDARY CALCULATED GALLONS PER INCH: 7.35 GPI
 - 6 CALCULATED STRAIGHT SIDE CAPACITY: 336 GAL.

B	TURNED THE TANK 180° SO THE ACCESS WAS AT 0° AND	6/12/08 MG
A	RENAMEP THE DIMENSIONS	6/12/08 MG
REV	INSERTED A NEW TITLE BLOCK	REV DATE
	REVISION DESCRIPTION	

		300 N TAYLOR ROAD GARRETT, IN 46738 PHONE: (260) 357-3181 FAX: (260) 357-3738	
PRIMARY VESSEL	SPECIFIC GRAVITY	SP.G. MAX	SECONDARY VESSEL
TANK WEIGHT	- LBS.		TANK WEIGHT
TANK COLOR	-		TANK COLOR

POLYETHYLENE TITLE IMT 250 DOUBLE WALL STORAGE TANK		DRAWING BY: D. CRAGER DWG NUMBER: IMT 250 B REV	
ALL DIMENSIONS ARE IN INCHES AND ARE ±3%		SALES ORDER TANK WEIGHT - LBS.	