

# VILLAGE OF EPHRAIM

FOUNDED 1853



Wastewater Committee Agenda  
Monday, November 4th, 9:00 AM  
Village Hall 9996 Water Street

**NOTE: This Meeting of the Village Wastewater Committee will also be held via teleconferencing. It will be available to the public to attend in person or by computer, phone, tablet, or dial in. Connection information is included below in this notice.**

1. Call to order
2. Changes in Agenda
3. Previous minutes – 10/7/2024
4. Visitors' comments
5. Plant managers report
6. Discussion and recommendation regarding REU status assignment to property 1210124312723J1 at 9868 Hidden Springs Rd.
7. Discussion and recommendation regarding purchasing a Hach DR3900 Spectrophotometer and equipment.
8. Visitors' comments
9. New business for the next meeting
10. Adjournment

## WW Meeting

Nov 4, 2024, 9:00 – 11:00 AM (America/Chicago)

**Please join my meeting from your computer, tablet or smartphone.**

<https://meet.goto.com/186022989>

**You can also dial in using your phone.**

Access Code: 186-022-989

United States: [+1 \(571\) 317-3112](tel:+15713173112)

*\*It is possible that a quorum of the Village Board or other Village Committees may be present at the meeting. However, no action will be taken by any other Board or Committee unless specifically noticed.*

	<b>Date</b> <u>10/31/2024</u>
<hr/> <b>Andrea Collak, Clerk</b>	<input checked="" type="checkbox"/> Village Administrative Office
	<input checked="" type="checkbox"/> Visitors' Center
	<input checked="" type="checkbox"/> Post Office
<hr/> <b>Kim Roberts, Deputy Clerk</b>	<input checked="" type="checkbox"/> Website <a href="http://www.ephraim-wisconsin.com">www.ephraim-wisconsin.com</a>
	<input checked="" type="checkbox"/> Emailed to WDOR/Peninsula Pulse

# VILLAGE OF EPHRAIM

FOUNDED 1853



## Wastewater Committee Minutes Monday, October 7, 2024, 9:00 AM

**Present:** Karen McMurtry- Chair, Michael McCutcheon, Dennis Jewell, Bruce Nelson, Jim Peterman

**Staff:** Brad Rasmusson – Wastewater Manager/Operator in Charge, Dan Oakley – Operator, Andrea Collak – Clerk/Treasurer

1. **Call to order:** The meeting was called to order by Chair - McMurtry and a quorum was present for this meeting.
2. **Changes in Agenda:** None
3. **Previous minutes – Minutes from August 26, 2024**

**Nelson moved, Jewell seconded to approve August 26, 2024, meeting minutes as presented, all ayes, and the motion carried.**

4. **Visitors' comments:** None

5. **Discussion and recommendation for the ITA/PERF submittal for possible projects in 2026**

Rasmusson noted that with the Facility Plan Amendment, the committee needs to decide if we are going to divide the project into two phases which seems to be the way that the Village would get the most principal forgiveness on a Clean Water Fund loan from the DNR.

**Phase one** would be the lift stations and collection system.

**Phase two** would be treatment plant facility upgrades.

The committee also needs to decide that if the Village intends on doing work in 2026, it is recommended to the Village Board that McMahon Associates, Inc. submit the ITA/PERF “Intent to Apply / Priority Evaluation and Ranking Formula” to the DNR by 10-31-2024 for possible clean water funding in 2026.

Tony Kappell from McMahon Associates, Inc. explained in the report that this project is needed to extend the services life of the collection systems and treatment facility, address current needs associated with the existing facilities, improve operator safety, operability, and maintainability, and to ensure compliance with permit effluent limits.

**Jewell moved, McCutcheon seconded to approve dividing the Facility Plan Amendment project into two phases; and that the McMahon Associates, Inc. is to submit the ITA/PERF (Intent to Apply/Priority Evaluation and Ranking Formula) to the DNR by 10-31-2024 for possible Clean Water Funding in 2026, and pass it onto the Village Board, all ayes and the motion carried.**

6. **Ephraim Wastewater Operator in Charge Report:** Rasmusson reviewed the WW, WWT, and SS OIC reports as included in the agenda packet. Wastewater duties were completed according to schedule.

On August 25th, the last effluent pump#1 broke down.

August 29th, Vacuum, Pump & Compressor on-site to swap out effluent pump 1 with the new spare we had on hand. A new spare was ordered.

On September 3rd, a new decant line for West Basin was plumbed, and an electric hoist was installed.

September 4th, Northern Electric on-site to replace electrical contactor for effluent pump 1 which also went out at the time of the pump failure.

On September 11th, shipped out the ammonia test.

On September 18th, a new water media was certified.

On September 25th, repaired the water hammer dampener on the East HT Pump.

On September 27th, transferred West Basin to Digester.

On September 30th, the decant digester.

On October 1st, 5 loads of sludge were sent to Sturgeon Bay.

WW has been working with Advanced Microbial Solutions (AMS) on introducing their sludge-eating microbes into our extended air digester. They have had a lot of success with removing organic sludge from ponds and lagoon systems but have never tried their product in an extended air system such as ours. WW has been conducting solids tests bi-weekly since we started in August. Rasmusson reported that unfortunately, they did not see the results that they did in anaerobic systems. Our organic solids only dropped 1.49% from the start which is not worth the cost of the product. We purchased one tote of their sludge-removing bacteria, and they gave us a second tote to try it. Rasmusson asked for a refund. They asked if the WW would try conducting another study and sent us two more totes free of charge. We can try the study in the winter with a lower suspended solids count and better mixing.

*The months of August 25-October 2, 2024:*

There were 259 in-house bacteria tests completed (1,205 for the year so far), 223 water tests (1,136 for the year so far), and 36 clean water tests (69 for the year so far). 11 holding tank pump-outs and 7 septic pump-outs. There were no emergency call-ins.

**7. Discussion and recommendation of the 2025 Rates and Changes:**

Rasmusson reported that he did not see the reason to change the expenditure or change amounts for well water testing. They received pricing for 2025 testing supplies and the WW department will make roughly \$11.40 per bacteria test.

Rasmusson noted that the committees should also consider raising rates across the board except for the well water test by another 5% - 10% so that we can meet inflation and still contribute to the replacement fund with upcoming projects. Rasmusson noted that the rates went up 7% last year.

Rasmusson presented the committee with the rate comparison chart. Rasmusson noted that he was talking to Wastewater representatives from Sister Bay, Fish Creek, Baileys Harbor, and Egg Harbor.

After a short discussion, the committee members agreed to increase the **Hauler Septic per 1000 Gal** from \$127.00 to \$150.00. **Water Test** will stay the same at \$30.00. The committee members agreed with a 7% increase in all the other wastewater revenue accounts.

**McMurtry moved, McCutcheon seconded to approve 2025 Wastewater Rates and Changes as presented, and pass it onto the Village Board, all ayes, and the motion carried.**

8. **Visitors' comments:** McCutcheon noted that it would be beneficial to provide any new Wastewater Committee member with a Facility Plan Amendment document for educational purposes.
9. **New business for the next meeting:** Testing for LED/Arsenic and Nitrite. The next meeting is November 4, 2024.
10. **Adjournment**

**McMurtry moved, Jewell seconded to adjourn the meeting, all ayes, and the motion carried.**

Recorded by,  
Andrea Collak- Clerk/Treasurer

**November 4<sup>th</sup> 2024**  
**Ephraim WW, WWT, SS**  
**Manager OIC Report**



Reporting from 10-3-2024 to 10-30-24

Po4 lab setup-complete with lab cleanup samples twice per week

EFF samples sent to Northern Lake Services for ammonia testing:

Ph testing: Five times per week as required.

TSS, BOD labs with lab cleanup: Twice per week as required.

10-9 Sent out ammonia sample

10-10 Decant thickener tank

10-11 Submitted EDMR to WI DNR

10-15 Sent out 6 loads of sludge

10-21 Transfer sludge and pumped out contact chamber

10-22 Signed N. Shore Rd winter SOP agreement with Kristine Diekman.

10-22 Had a load of Alum delivered

10-24 Dan and I attended the WWOA annual conference in Appleton

**Ephraim Well Water Testing**

Number of Water Tests: 99	total for 2024 so far 1306
In-House Bacteria: 92	1230
Clean Water Testing: 7	76

**Ephraim Septage Service:**

Holding Tank Pump Outs: 5

Septic Pump Outs: 22

**Emergency Call Ins:** 0

**Weather:**

Precipitation: 0.88 inches

Max Temp: 79

Min Temp: 34

Respectfully submitted,  
*Brad Rasmusson*

*Village of Ephraim*  
*Wastewater Manager*

## Brad's Notes for 11-4-24 Meeting

### Item # 1 REU status assignment at 9868 Hidden Springs Rd.

Kim through her STR permits found that the cottage on the back of this property was remodeled and is now available to rent. Currently, the property has a 1.0 REU. With the addition of the cottage, they should probably be assigned 1.5 REU as in some cases in the past. I believe that the cottage was previously used mostly for storage but is now available for dwelling.

### Item # 2 Purchasing a Hach DR3900 spectrophotometer and the associated equipment.

This is associated with the business for next meeting from the previous. With this equipment we could expand our lab to accept Nitrate and Ammonia samples, we could also cut our phosphorous testing from basically two days to a couple hours. With the current Po4 method we have to digest the samples with our autoclave which is a \$7000.00 piece of equipment on its own, with the new method there is no need for the autoclave. Also, our current spectrophotometer would be \$4000 to \$5000 to replace.

Our thoughts are if we can expand our services and save time that this would only make sense. We would suggest take the cost of the spectrophotometer itself out of the replacement fund and to let the profits from the water testing lab pay for the rest or all of it.

We would also need to recertify the lab for the new parameters with the DNR. The recertification fee is \$885.00

We would also need to purchase blind standards from WSLH to prove our proficiencies before we can test the new parameters for hire.

Hope this helps, please let me know if you have any questions.

Thanks,

Brad

Village of Ephraim  
REU Status Review

Date: 10/23/2024

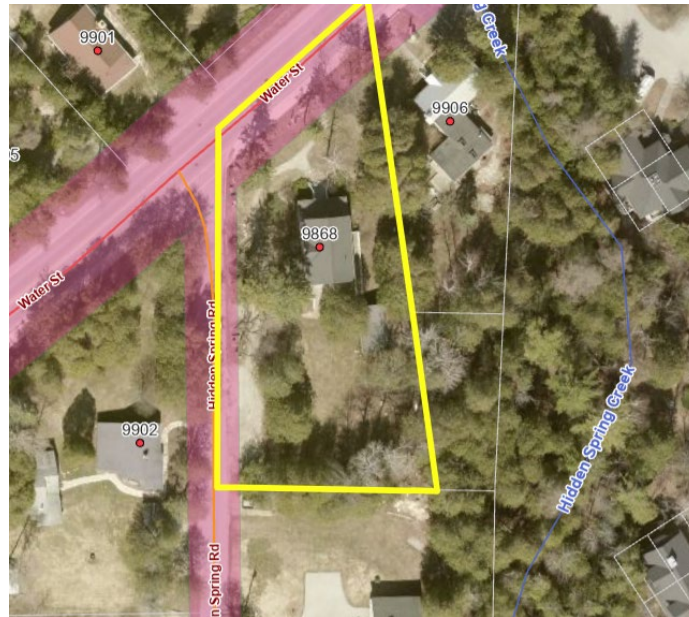
Property Address: 9868 Hidden Spring

Parcel(s) #: 1210124312723J1

Owner: GTA HIDDEN SPRING LLC – Jacob and Greta Odders

Current REU: 1.0

Sewer Account Number: -357



Notes:

During the STR renewal process, it was found that the owners of 9868 Hidden Spring have added an additional rental dwelling to their licensed STR property. Their current REU is 1.0. The movement (repositioning on the property) of the dwelling was approved by the BOA in September of 2023. The cottage has a full bathroom and full kitchen hence it is connected to the sewer system.

Real Estate Listing from 6/2023: "Charming Door County home. Bright, beautifully maintained, historical property within walking distance of everything you love in downtown Ephraim: footsteps to the beach and sunsets over Eagle Harbor, marina, restaurants, shopping, parks, and more, with partial water views from 1st floor & views of water and bluff from 2nd/3rd floors. The owner had plans to create a master suite in the large attic space (currently storage). **Also seasonal, plumbed 22 x 16 cottage (sold as-is) used for storage behind the main residence.** Room sizes are approximate. Commercial MLS 137127. Copyright: Geoffrey Lardiere 2021 All artworks in this marketing are the intellectual property of Geoffrey Lardiere & are protected under US copyright law. All rights reserved. Call today."





**Request:** The request is to review the information and determine if sewer account number #306 should be increased to 1.5 REU.



Determination by the WW Committee:

Date of Determination by WW Committee:

Date approved by Village Board:

Date letter sent to owner:



Be Right™

# Quotation

**Quote Number: 101106860v1**

Use quote number at time of order to ensure that you receive prices quoted

Hach  
PO Box 608  
Loveland, CO 80539-0608  
Phone: (800) 227-4224  
Email: quotes@hach.com  
Website: www.hach.com

Quote Date: 18-Oct-2024

Quote Expiration: 17-Dec-2024

EPHRAIM WASTEWATER  
10285 TOWNLINE DR  
SISTER BAY, WI 54234-9244

Name: Brad Rasmusson  
Phone: 920) 854-4991  
Email: brasmusson@ephrain.wi.gov

Customer Account Number : 40282982

Sales Contact: Shawn Buettner Email: sbuettne@hach.com Phone: 414-315-4142

## PRICING QUOTATION

Line	Part Number	Description	Qty	Unit Price	Extended Price
1	LPV440.99.00012	DR3900 Laboratory VIS Spectrophotometer with RFID* Technology. Standard lead time 3 days.	1	6,996.00	6,996.00
2	DRB200-01	DRB200 Digital Reactor Block for TNTplus: 9x13mm vial wells, 2x20 mm vial wells, 115 VAC. Standard lead time 3 days.	1	1,677.00	1,677.00
3	1864100	Cooling rack for 10 cuvettes (Ø 16 mm), stainless steel. Standard lead time 3 days.	1	159.00	159.00
4	LZP320	Set of 2 pipettes, variable volume, incl. tips. Standard lead time 20 days.	1	1,123.00	1,123.00
5	TNT843	Phosphorus (Reactive and Total) TNTplus Vial Test, LR (0.15-4.50 mg/L PO <sub>4</sub> ), 25 Tests. Standard lead time 3 days.	5	92.49	462.45
6	TNT830	Ammonia TNTplus Vial Test, ULR (0.015 - 2.00 mg/L NH <sub>3</sub> -N), 25 Tests. Standard lead time 3 days.	5	89.25	446.25
7	TNT850	Lead TNTplus Vial Test (0.1-2.0 mg/L Pb), 25 Tests. Standard lead time 3 days.	5	125.00	625.00
8	TNT835	Nitrate TNTplus Vial Test, LR (0.23-13.5 mg/L NO <sub>3</sub> -N), 25 Tests. Standard lead time 3 days.	5	72.19	360.95
9	BSPDRB200	Bnch Svc-DRB200 COD Reactor	1	355.00	355.00
10	BSPDR3900	Bnch Svc-DR3900 (FRV1)	1	941.00	941.00
				<b>Grand Total</b>	<b>\$ 13,145.65</b>

Line	Part Number	Description	Qty	Unit Price	Extended Price
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## TERMS OF SALE

**Freight:** Ground Prepay and Add

**FCA:** Hach's facility

**ALL LEAD TIMES ARE ESTIMATED AND NOT GUARANTEED.**

All purchases of Hach Company products and/or services are expressly and without limitation subject to Hach Company's Terms & Conditions of Sale ("Hach TCS"), incorporated herein by reference and published on Hach Company's website at [www.hach.com/terms](http://www.hach.com/terms). Hach TCS are contained directly and/or by reference in Hach's offer, order acknowledgment, and invoice documents. The first of the following acts constitutes an acceptance of Hach's offer and not a counteroffer and creates a contract of sale "Contract" in accordance with the Hach TCS: (i) Buyer's issuance of a purchase order document against Hach's offer; (ii) acknowledgement of Buyer's order by Hach; or (iii) commencement of any performance by Hach pursuant to Buyer's order. Provisions contained in Buyer's purchase documents (including electronic commerce interfaces) that materially alter, add to or subtract

from the provisions of the Hach TCS are not part of the Contract.

Due to International regulations, a U.S. Department of Commerce Export License may be required. Hach reserves the right to approve specific shipping agents. Wooden boxes suitable for ocean shipment are extra. Specify final destination to ensure proper documentation and packing suitable for International transport. In addition, Hach may require : 1). A statement of intended end-use; 2). Certification that the intended end-use does not relate to proliferation of weapons of mass destruction (prohibited nuclear end use, chemical / biological weapons, missile technology); and 3). Certification that the goods will not be diverted contrary to U.S. and/or applicable laws in force in Buyer's jurisdiction.

**ORDER TERMS:**

Terms are Subject to Credit Review

In order for Hach to process the order as quickly as possible, please provide the following information.

- Complete Billing address.
- Complete Shipping address.
- Part numbers and quantities of items being ordered.
- Please reference the quotation number on your purchase order

If the order is over \$25,000 Hach will also require the following additional information.

- Pricing
- Purchase Order Number
- Freight terms and INCO term FOB Origin or FCA Shipping Point
- Required delivery date
- Vendor name should specify "Hach Company" with the Loveland address:
  - Hach, PO Box 389, Loveland, CO 80539
- Credit terms of payment. Default payment terms are Net 30.
- Indicate if order needs to ship complete or if it can ship partial.
- Tax status
- Special invoicing instructions

Sales tax is not included on quote. Applicable sales tax will be added to the invoice based on the U.S. destination, if applicable provide a resale/exemption certificate.

Shipments will be prepaid and added to invoices unless otherwise specified.

Equipment quoted operates with standard U.S. supply voltage.

Hach standard terms and conditions apply to all sales.

Additional terms and conditions apply to orders for service partnerships.

Prices do not include delivery of product. Reference attached Freight Charge Schedule and Collect Handling Fees.

This Quote is good for a one time purchase

Virtual and/or on-site training must be scheduled/completed within 30 days of order, or the price will be subject to change.

**Sales Contact:**

Name: Shawn Buettner  
 Title: Regional Sales Manager  
 Phone: 414-315-4142  
 Email: sbuettne@hach.com



## HACH COMPANY

**Headquarters**  
 P.O. Box 389  
 5600 Lindbergh Drive  
 Loveland, CO 80539-0389

**Purchase Orders**  
 PO Box 608  
 Loveland, CO 80539-0608

**WebSite:** www.hach.com

**U.S.A.**  
 Phone: 800-227-4224  
 Fax: 970-669-2932  
 E-Mail: orders@hach.com  
 quotes@hach.com  
 techhelp@hach.com

**Export**  
 Phone: 970-669-3050  
 Fax: 970-461-3939  
 Email: intl@hach.com

**Remittance**  
 2207 Collections Center Drive  
 Chicago, IL 60693

**Wire Transfers**  
 Bank of America  
 231 S. LaSalle St.  
 Chicago, IL 60604  
 Account: 8765602385  
 Routing (ABA): 071000039

**Quotation Addendum**

### ADVANTAGES OF WORKING WITH HACH

<b>Hach Service</b>	<b>Pick&amp;Ship™</b>	<b>Technical Support</b>
<p><i>Protect your investment &amp; peace of mind</i></p> <ul style="list-style-type: none"> <li>✓ A global partner who understands your needs</li> <li>✓ Delivers timely, high-quality service you can trust</li> <li>✓ Provides team of unique experts to help you maximize instrument uptime</li> <li>✓ Ensure data integrity</li> <li>✓ Maintain operational stability</li> <li>✓ Reduce compliance risk</li> </ul> <p>www.hach.com/service-contracts</p>	<p><i>Pick&amp;Ship™ Program offers a better way to keep your supplies in stock</i></p> <ul style="list-style-type: none"> <li>✓ <b>Convenience</b> of one purchase order for the entire year</li> <li>✓ <b>Flexibility</b> to change, cancel or create new orders</li> <li>✓ <b>Savings</b> from locking in prices &amp; thus avoiding price surges and rush charges</li> <li>✓ <b>Peace of mind</b> with automatic, reliable shipments just as you need them</li> </ul> <p>www.Hach.com/pickandship</p>	<p><i>Provides post-sale instrumentation and application support</i></p> <ul style="list-style-type: none"> <li>✓ Hach's highly skilled Technical Support staff is dedicated to helping you resolve technical issues before, during and after the sale.</li> <li>✓ Available via phone, e-mail, or live online chat at Hach.com!</li> <li>✓ Fast access to answers at <a href="https://support.hach.com">https://support.hach.com</a></li> <li>✓ Toll-free phone: 800-227-4224</li> <li>✓ E-mail: techhelp@hach.com</li> </ul> <p>www.Hach.com</p>

### ADVANTAGES OF SIMPLIFIED SHIPPING AND HANDLING

<b>Safe &amp; Fast Delivery</b>	<b>Save Time – Less Hassle</b>	<b>Save Money</b>
<ul style="list-style-type: none"> <li>✓ Receive tracking numbers on your order acknowledgement</li> <li>✓ Hach will assist with claims if an order is lost or damaged in shipment</li> </ul>	<ul style="list-style-type: none"> <li>✓ No need to set up deliveries for orders or to schedule pickup</li> <li>✓ Hach ships order as product is available, at no additional charge, when simplified shipping and handling is used.</li> </ul>	<ul style="list-style-type: none"> <li>✓ No additional invoice to process – save on time and administrative costs</li> <li>✓ Only pay shipping once, even if multiple shipments are required</li> </ul>

STANDARD SIMPLIFIED SHIPPING AND HANDLING CHARGES <sup>1, 2, 3, 4</sup> Pricing Effective 7/13/2024						Collect <sup>4</sup> Handling Fee Effective 7/13/2024
Total Price of Merchandise Ordered	Standard Surface (Mainland USA)	Second Day Delivery (Mainland USA)	Next Day Delivery (Mainland USA)	Second Day Delivery (Alaska & Hawaii)	Next Day Delivery (Alaska & Hawaii)	
\$0.00 - \$49.99	\$10.75	\$26.89	\$50.14	\$43.15	\$82.02	\$8.00
\$50.00 - \$149.99	\$12.90	\$38.02	\$71.75	\$54.52	\$103.65	\$8.00
\$150.00 - \$349.99	\$15.05	\$40.15	\$81.79	\$55.37	\$106.26	\$8.00
\$350.00 - \$649.99	\$17.20	\$44.98	\$89.44	\$56.22	\$108.87	\$8.00
\$650.00 - \$949.99	\$17.20	\$54.49	\$112.39	\$66.20	\$128.13	\$8.00
\$950.00 - \$1,999.99	\$30.10	\$64.01	\$135.34	\$76.17	\$147.38	\$8.00
\$2,000.00 - \$3,999.99	\$30.10	\$79.14	\$165.12	\$91.12	\$176.99	\$8.00
\$4,000.00 - \$5,999.99	\$53.75	\$94.27	\$194.90	\$106.06	\$206.59	\$8.00
\$6,000.00 - \$7,999.99	\$64.50	\$108.99	\$225.36	\$118.80	\$229.04	\$8.00
\$8,000.00 - \$9,999.99	\$96.75	\$162.82	\$318.16	\$174.21	\$330.40	\$8.00
Over \$10,000	1.0% of Net Order Value	1.8% of Net Order Value	2.8% of Net Order Value	1.8% of Net Order Value	2.8% of Net Order Value	\$8.00

- Shipping & Handling charges shown are only applicable to orders billing and shipping to U.S. destinations. Shipping & Handling charges will be prepaid and added to invoice. Shipping & Handling for the Pick&Ship Program is charged on each shipment release and is based on the total price of each shipment release. Shipping & Handling charges are subject to change without notice.
  - Additional Shipping & Handling charges will be applied to orders containing bulky and/or especially heavy orders. Refrigerated and all weather Samplers do not qualify for simplified Shipping & Handling charges, and are considered heavy products. Dissolved Oxygen Sensors can be damaged if exposed to temps below freezing, causing sensor failure. Must be shipped over night or 2nd day air during the cold weather months.
  - Orders shipping to Alaska or Hawaii: Additional Shipping & Handling charges may be applied at time of order processing. Second Day and Next Day delivery is not available to all destinations.
  - Hach Company will assess a collect handling fee on orders with collect shipping terms. This handling fee covers the additional costs that Hach Company incurs from processing and managing collect shipments.
- Due to variations in component characteristics, regulatory transportation requirements and/or associated shipping and handling costs, individual kit components may or may not be packaged together in a single carton at time of final packaging and shipping.

### SALES TAX

Sales Tax is not included in the attached quotation. Applicable sales and usage taxes will be added to your invoice, at the time of order, based on U.S. destination of goods, unless a valid resale/exemption certificate for destination state is provided to the above address or fax number, attention of the Tax Dept.

## TERMS & CONDITIONS OF SALE FOR HACH COMPANY PRODUCTS AND SERVICES

This document sets forth the Terms & Conditions of Sale for goods manufactured and/or supplied, and services provided, by Hach Company of Loveland, Colorado ("Hach") and sold to the original purchaser thereof ("Buyer"). Unless otherwise specifically stated herein, the term "Hach" includes only Hach Company and none of its affiliates. Unless otherwise specifically stated in a previously-executed written purchase agreement signed by authorized representatives of Hach and Buyer, these Terms & Conditions of Sale establish the rights, obligations and remedies of Hach and Buyer which apply to this offer and any resulting order or contract for the sale of Hach's goods and/or services ("Products").

1. **APPLICABLE TERMS & CONDITIONS:** These Terms & Conditions of Sale are contained directly and/or by reference in Hach's offer, order acknowledgment, and invoice documents. The first of the following acts constitutes an acceptance of Hach's offer and not a counteroffer and creates a contract of sale ("Contract") in accordance with these Terms & Conditions: (i) Buyer's issuance of a purchase order document against Hach's offer; (ii) acknowledgement of Buyer's order by Hach; or (iii) commencement of any performance by Hach pursuant to Buyer's order. Provisions contained in Buyer's purchase documents (including electronic commerce interfaces) that materially alter, add to or subtract from the provisions of these Terms & Conditions of Sale are not a part of the Contract.

2. **CANCELLATION:** Buyer may cancel goods orders subject to fair charges for Hach's expenses including handling, inspection, restocking, freight and invoicing charges as applicable, provided that Buyer returns such goods to Hach at Buyer's expense within thirty (30) days of delivery and in the same condition as received. Buyer may cancel service orders on ninety (90) day's prior written notice and refunds will be prorated based on the duration of the service plan. Inspections and re-instatement fees may apply upon cancellation or expiration of service programs. Seller may cancel all or part of any order prior to delivery without liability if the order includes any Products that Seller determines may not comply with export, safety, local certification, or other applicable compliance requirements.

3. **DELIVERY:** Delivery will be accomplished FCA Hach's facility located in Ames, Iowa or Loveland, Colorado, or Romeoville, Illinois United States (Incoterms 2020). Legal title and risk of loss or damage pass to Buyer upon transfer to the first carrier. Hach will use commercially reasonable efforts to deliver the Products ordered herein within the time specified on the face of this Contract or, if no time is specified, within Hach's normal lead-time necessary for Hach to deliver the Products sold hereunder. Upon prior agreement with Buyer and for an additional charge, Hach will deliver the Products on an expedited basis. Standard service delivery hours are 8 am – 5 pm Monday through Friday, excluding holidays.

4. **INSPECTION:** Buyer will promptly inspect and accept any Products delivered pursuant to this Contract after receipt of such Products. In the event the Products do not conform to any applicable specifications, Buyer will promptly notify Hach of such nonconformance in writing. Hach will have a reasonable opportunity to repair or replace the nonconforming product at its option. Buyer will be deemed to have accepted any Products delivered hereunder and to have waived any such nonconformance in the event such a written notification is not received by Hach within thirty (30) days of delivery.

5. **PRICES & ORDER SIZES:** All prices are in U.S. dollars and are based on delivery as stated above. Prices do not include any charges for services such as insurance; brokerage fees; sales, use, inventory or excise taxes; import or export duties; special financing fees; VAT, income or royalty taxes imposed outside the U.S.; consular fees; special permits or licenses; or other charges imposed upon the production, sale, distribution, or delivery of Products. Buyer will either pay any and all such charges or provide Hach with acceptable exemption certificates, which obligation survives performance under this Contract. Hach reserves the right to establish minimum order sizes and will advise Buyer accordingly.

6. **PAYMENTS:** All payments must be made in U.S. dollars. For Internet orders, the purchase price is due at the time and manner set forth at www.hach.com. Invoices for all other orders are due and payable NET 30 DAYS from date of the invoice without regard to delays for inspection or transportation, with payments to be made by check to Hach at the above address or by wire transfer to the account stated on the front of Hach's invoice, or for customers with no established credit, Hach may require cash or credit

card payment in advance of delivery. In the event payments are not made or not made in a timely manner, Hach may, in addition to all other remedies provided at law, either: (a) declare Buyer's performance in breach and terminate this Contract for default; (b) withhold future shipments until delinquent payments are made; (c) deliver future shipments on a cash-with-order or cash-in-advance basis even after the delinquency is cured; (d) charge interest on the delinquency at a rate of 1-1/2% (one and one half percent) per month or the maximum rate permitted by law, if lower, for each month or part thereof of delinquency in payment plus applicable storage charges and/or inventory carrying charges; (e) repossess the Products for which payment has not been made; (f) recover all costs of collection including reasonable attorney's fees; or (g) combine any of the above rights and remedies as is practicable and permitted by law. Buyer is prohibited from setting off any and all monies owed under this from any other sums, whether liquidated or not, that are or may be due Buyer, which arise out of a different transaction with Hach or any of its affiliates. Should Buyer's financial responsibility become unsatisfactory to Hach in its reasonable discretion, Hach may require cash payment or other security. If Buyer fails to meet these requirements, Hach may treat such failure as reasonable grounds for repudiation of this Contract, in which case reasonable cancellation charges shall be due Hach. Buyer grants Hach a security interest in the Products to secure payment in full, which payment releases the security interest but only if such payments could not be considered an avoidable transfer under the U.S. Bankruptcy Code or other applicable laws. Buyer's insolvency, bankruptcy, assignment for the benefit of creditors, or dissolution or termination of the existence of Buyer, constitutes a default under this Contract and affords Hach all the remedies of a secured party under the U.C.C., as well as the remedies stated above for late payment or non-payment. See [120](#) for further wire transfer requirements.

7. **LIMITED WARRANTY:** Hach warrants that Products sold hereunder will be free from defects in material and workmanship and will, when used in accordance with the manufacturer's operating and maintenance instructions, conform to any express written warranty pertaining to the specific goods purchased, which for most Hach instruments is for a period of twelve (12) months from delivery. Hach warrants that services furnished hereunder will be free from defects in workmanship for a period of ninety (90) days from the completion of the services. Parts provided by Hach in the performance of services may be new or refurbished parts functioning equivalent to new parts. Any non-functioning parts that are repaired by Hach shall become the property of Hach. No warranties are extended to consumable items such as, without limitation, reagents, batteries, mercury cells, and light bulbs. **All other guarantees, warranties, conditions and representations, either express or implied, whether arising under any statute, law, commercial usage or otherwise, including implied warranties of merchantability and fitness for a particular purpose, are hereby excluded.** The sole remedy for Products not meeting this Limited Warranty is replacement, credit or refund of the purchase price. This remedy will not be deemed to have failed of its essential purpose so long as Hach is willing to provide such replacement, credit or refund.

8. **INDEMNIFICATION:** Indemnification applies to a party and to such party's successors-in-interest, assignees, affiliates, directors, officers, and employees ("Indemnified Parties"). Hach is responsible for and will defend, indemnify and hold harmless the Buyer Indemnified Parties against all losses, claims, expenses or damages which may result from accident, injury, damage, or death due to Hach's breach of the Limited Warranty. Buyer is responsible for and will defend, indemnify and hold harmless the Hach Indemnified Parties against all losses, claims, expenses or damages which may result from accident, injury, damage, or death due to negligence, misuse or misapplication of any goods or services, violations of law, or the breach of any provision of this Contract by the Buyer, its affiliates, or those employed by, controlled by or in privity with them. Buyer's workers' compensation immunity, if any, does not preclude or limit its indemnification obligations.

9. **PATENT PROTECTION:** Subject to all limitations of liability provided herein, Hach will, with respect to any Products of Hach's design or manufacture, indemnify Buyer from any and all damages and costs as finally determined by a court of competent jurisdiction in any suit for infringement of any U.S. patent (or European patent for Products that Hach sells to Buyer for end use in a member state of the E.U.) that has issued as of the delivery date, solely by reason of the sale or normal use of any Products sold to Buyer hereunder and from reasonable expenses incurred by Buyer in defense of such suit if Hach does not undertake the defense thereof, provided that Buyer promptly notifies



## TERMS AND CONDITIONS OF SALE FOR HACH® PRODUCTS

Hach of such suit and offers Hach either (i) full and exclusive control of the defense of such suit when Products of Hach only are involved, or (ii) the right to participate in the defense of such suit when products other than those of Hach are also involved. Hach's warranty as to use patents only applies to infringement arising solely out of the inherent operation of the Products according to their applications as envisioned by Hach's specifications. In case the Products are in such suit held to constitute infringement and the use of the Products is enjoined, Hach will, at its own expense and at its option, either procure for Buyer the right to continue using such Products or replace them with non-infringing products, or modify them so they become non-infringing, or remove the Products and refund the purchase price (prorated for depreciation) and the transportation costs thereof. The foregoing states the entire liability of Hach for patent infringement by the Products. Further, to the same extent as set forth in Hach's above obligation to Buyer, Buyer agrees to defend, indemnify and hold harmless Hach for patent infringement related to (x) any goods manufactured to the Buyer's design, (y) services provided in accordance with the Buyer's instructions, or (z) Hach's Products when used in combination with any other devices, parts or software not provided by Hach hereunder.

10. TRADEMARKS AND OTHER LABELS: Buyer agrees not to remove or alter any indicia of manufacturing origin or patent numbers contained on or within the Products, including without limitation the serial numbers or trademarks on nameplates or cast, molded or machined components.

11. SOFTWARE AND DATA. All licenses to Hach's separately-provided software products are subject to the separate software license agreement(s) accompanying the software media and/or included as an Appendix to these Terms & Conditions of Sale. Except to the extent such express licenses conflict with the remainder of this paragraph, the following also applies relative to Hach's software: Hach grants Buyer only a personal, non-exclusive license to access and use the software provided by Hach with Products purchased hereunder solely as necessary for Buyer to enjoy the benefit of the Products. A portion of the software may contain or consist of open source software, which Buyer may use under the terms and conditions of the specific license under which the open source software is distributed. Buyer agrees that it will be bound by all such license agreements. Title to software remains with the applicable licensor(s). In connection with Buyer's use of Products, Hach may obtain, receive, or collect data or information, including data produced by the Products. In such cases, Buyer grants Hach a non-exclusive, worldwide, royalty-free, perpetual, non-revocable license to use, compile, distribute, display, store, process, reproduce, or create derivative works of such data, or to aggregate such data for use in an anonymous manner, solely to facilitate marketing, sales and R&D activities of Hach and its affiliates.

12. PROPRIETARY INFORMATION; PRIVACY: "Proprietary Information" means any information, technical data or know-how in whatever form, whether documented, contained in machine readable or physical components, mask works or artwork, or otherwise, which Hach considers proprietary, including but not limited to service and maintenance manuals. Buyer and its customers, employees and agents will keep confidential all such Proprietary Information obtained directly or indirectly from Hach and will not transfer or disclose it without Hach's prior written consent, or use it for the manufacture, procurement, servicing or calibration of Products or any similar products, or cause such products to be manufactured, serviced or calibrated by or procured from any other source, or reproduce or otherwise appropriate it. All such Proprietary Information remains Hach's property. No right or license is granted to Buyer or its customers, employees or agents, expressly or by implication, with respect to the Proprietary Information or any patent right or other proprietary right of Hach, except for the limited use licenses implied by law. Hach will manage Customer's information and personal data in accordance with its Privacy Policy, located at <http://www.hach.com/privacypolicy>.

13. CHANGES AND ADDITIONAL CHARGES: Hach reserves the right to make design changes or improvements to any products of the same general class as Products being delivered hereunder without liability or obligation to incorporate such changes or improvements to Products ordered by Buyer unless agreed upon in writing before the Products' delivery date. Services which must be performed as a result of any of the following conditions are subject to additional charges for labor, travel and parts: (a) equipment alterations not authorized in writing by Hach; (b) damage resulting from improper use or handling, accident, neglect, power surge, or operation in an environment or manner in which the instrument is not designed to operate or is not in accordance with Hach's operating manuals; (c) the use of parts or accessories not provided by Hach; (d) damage resulting from acts of war, terrorism or nature; (e) services outside standard business hours; (f) site

prework not complete per proposal; or (g) any repairs required to ensure equipment meets manufacturer's specifications upon activation of a service agreement.

14. SITE ACCESS / PREPARATION / WORKER SAFETY / ENVIRONMENTAL COMPLIANCE: In connection with services provided by Hach, Buyer agrees to permit prompt access to equipment. Buyer assumes full responsibility to back-up or otherwise protect its data against loss, damage or destruction before services are performed. Buyer is the operator and in full control of its premises, including those areas where Hach employees or contractors are performing service, repair and maintenance activities. Buyer will ensure that all necessary measures are taken for safety and security of working conditions, sites and installations during the performance of services. Buyer is the generator of any resulting wastes, including without limitation hazardous wastes. Buyer is solely responsible to arrange for the disposal of any wastes at its own expense. Buyer will, at its own expense, provide Hach employees and contractors working on Buyer's premises with all information and training required under applicable safety compliance regulations and Buyer's policies. If the instrument to be serviced is in a Confined Space, as that term is defined under OSHA regulations, Buyer is solely responsible to make it available to be serviced in an unconfined space. Hach service technicians will not work in Confined Spaces. In the event that a Buyer requires Hach employees or contractors to attend safety or compliance training programs provided by Buyer, Buyer will pay Hach the standard hourly rate and expense reimbursement for such training attended. The attendance at or completion of such training does not create or expand any warranty or obligation of Hach and does not serve to alter, amend, limit or supersede any part of this Contract.

15. LIMITATIONS ON USE: Buyer will not use any Products for any purpose other than those identified in Hach's catalogs and literature as intended uses. Unless Hach has advised the Buyer in writing, in no event will Buyer use any Products in drugs, food additives, food or cosmetics, or medical applications for humans or animals. In no event will Buyer use in any application any Product that requires FDA 510(k) clearance unless and only to the extent the Product has such clearance. Buyer will not sell, transfer, export or re-export any Hach Products or technology for use in activities which involve the design, development, production, use or stockpiling of nuclear, chemical or biological weapons or missiles, nor use Hach Products or technology in any facility which engages in activities relating to such weapons. Unless the "ship-to" address is in California, U.S.A., the Products are not intended for sale in California and may lack markings required by California Proposition 65; accordingly, unless Buyer has ordered Products specifying a California ship-to address, Buyer will not sell or deliver any Hach Products for use in California. Any warranty granted by Hach is void if any goods covered by such warranty are used for any purpose not permitted hereunder.

16. EXPORT AND IMPORT LICENSES AND COMPLIANCE WITH LAWS: Unless otherwise specified in this Contract, Buyer is responsible for obtaining any required export or import licenses. Buyer will comply with all laws and regulations applicable to the installation or use of all Products, including applicable import and export control laws and regulations of the U.S., E.U. and any other country having proper jurisdiction, and will obtain all necessary export licenses in connection with any subsequent export, re-export, transfer and use of all Products and technology delivered hereunder. Buyer will comply with all local, national, and other laws of all jurisdictions globally relating to anti-corruption, bribery, extortion, kickbacks, or similar matters which are applicable to Buyer's business activities in connection with this Contract, including but not limited to the U.S. Foreign Corrupt Practices Act of 1977, as amended (the "FCPA"). Buyer agrees that no payment of money or provision of anything of value will be offered, promised, paid or transferred, directly or indirectly, by any person or entity, to any government official, government employee, or employee of any company owned in part by a government, political party, political party official, or candidate for any government office or political party office to induce such organizations or persons to use their authority or influence to obtain or retain an improper business advantage for Buyer or for Hach, or which otherwise constitute or have the purpose or effect of public or commercial bribery, acceptance of or acquiescence in extortion, kickbacks or other unlawful or improper means of obtaining business or any improper advantage, with respect to any of Buyer's activities related to this Contract. Hach asks Buyer to "Speak Up!" if aware of any violation of law, regulation or our Standards of Conduct ("SOC") in relation to this Contract. See [www.ethicspoint.veralto.com](http://www.ethicspoint.veralto.com) and [Integrity and compliance - Veralto](#) for a copy of the SOC and for access to our Helpline portal.

17. RELATIONSHIP OF PARTIES: Buyer is not an agent or representative of Hach and will not present itself as such under any circumstances unless and to



## TERMS AND CONDITIONS OF SALE FOR HACH® PRODUCTS

the extent it has been formally screened by Hach's compliance department and received a separate duly-authorized letter from Hach setting forth the scope and limitations of such authorization.

18. **FORCE MAJEURE:** Hach is excused from performance of its obligations under this Contract to the extent caused by acts or omissions that are beyond its control of, including but not limited to Government embargoes, blockages, seizures or freeze of assets, delays or refusals to grant an export or import license or the suspension or revocation thereof, or any other acts of any Government; fires, floods, severe weather conditions, or any other acts of God; quarantines; labor strikes or lockouts; riots; strife; insurrections; civil disobedience or acts of criminals or terrorists; war; material shortages or delays in deliveries to Hach by third parties. In the event of the existence of any force majeure circumstances, the period of time for delivery, payment terms and payments under any letters of credit will be extended for a period of time equal to the period of delay. If the force majeure circumstances extend for six months, Hach may, at its option, terminate this Contract without penalty and without being deemed in default or in breach thereof.

19. **NON ASSIGNMENT AND WAIVER:** Buyer will not transfer or assign this Contract or any rights or interests hereunder without Hach's prior written consent. Failure of either party to insist upon strict performance of any provision of this Contract, or to exercise any right or privilege contained herein, or the waiver of any breach of the terms or conditions of this Contract will not be construed as thereafter waiving any such terms, conditions, rights, or privileges, and the same will continue and remain in force and effect as if no waiver had occurred.

20. **FUNDS TRANSFERS (PAYMENTS):** Buyer and Hach both recognize that there is a risk of banking fraud when individuals impersonating a business demand payment under new banking or mailing instructions. To avoid this risk, Buyer must verbally confirm any new or changed bank transfer or mailing instructions by calling Hach at +1-970-663-1377 and speaking with Hach's Credit Manager before mailing or transferring any monies using the new instructions. Both parties agree that they will not institute mailing or bank transfer instruction changes and require immediate payment under the new instructions but will instead provide a ten (10) day grace period to verify any payment instruction changes before any new or outstanding payments are due using the new instructions.

21. **LIMITATION OF LIABILITY:** **None of the Hach Indemnified Parties will be liable to any Buyer Indemnified Parties under any circumstances for any special, treble, incidental or consequential damages, including without limitation, damage to or loss of property other than for the Products purchased hereunder; damages incurred in installation, repair or replacement; lost profits, revenue or opportunity; loss of use; losses resulting from or related to downtime of the products or inaccurate measurements or reporting; the cost of substitute products; or claims of any Buyer Indemnified Parties' customers for such damages, howsoever caused, and whether based on warranty, contract, and/or tort (including negligence, strict liability or otherwise). The total liability of the Hach Indemnified Parties arising out of the performance or nonperformance hereunder or Hach's obligations in connection with the design, manufacture, sale, delivery, and/or use of Products will in no circumstance exceed in the aggregate a sum equal to twice the amount actually paid to Hach for Products delivered hereunder.**

22. **APPLICABLE LAW AND DISPUTE RESOLUTION:** The construction, interpretation and performance hereof and all transactions hereunder shall be governed by the laws of the State of Colorado, without regard to its principles or laws regarding conflicts of laws. If any provision of this Contract violates any Federal, State or local statutes or regulations of any countries having jurisdiction of this transaction, or is illegal for any reason, said provision shall be self-deleting without affecting the validity of the remaining provisions. Unless otherwise specifically agreed upon in writing between Hach and Buyer, any dispute relating to this Contract which is not resolved by the parties shall be adjudicated in order of preference by a court of competent jurisdiction (i) in the State of Colorado, U.S.A. if Buyer has minimum contacts with Colorado and the U.S., (ii) elsewhere in the U.S. if Buyer has minimum contacts with the U.S. but not Colorado, or (iii) in a neutral location if Buyer does not have minimum contacts with the United States.

23. **ENTIRE AGREEMENT, TERM & MODIFICATION:** These Terms & Conditions of Sale constitute the entire agreement between the parties and supersede any prior agreements or representations, whether oral or written. Upon thirty (30) days prior written notice, Hach may, in its sole discretion, elect to terminate any order for the sale of Products and provide a pro-rated refund for any pre-payment of undelivered Products. No change to or modification of these Terms & Conditions shall be binding upon Hach unless in a written instrument specifically referencing that it is amending these Terms & Conditions of Sale and signed by an authorized representative of Hach. Hach

rejects any additional or inconsistent Terms & Conditions of Sale offered by Buyer at any time, whether or not such terms or conditions materially alter the Terms & Conditions herein and irrespective of Hach's acceptance of Buyer's order for the described goods and services.

24. **APPENDICES:** If checked, the following Appendices are attached hereto and incorporated by reference into these Terms & Conditions of Sale:

CLAROS SOFTWARE AS A SERVICE SUBSCRIPTION AGREEMENT

\* \* \*