



# ERIE COUNTY WATER AUTHORITY

## INTEROFFICE MEMORANDUM

May 24, 2024

To: Terrence D. McCracken, Secretary to the Authority

From: David M. Patton, Senior Production Engineer *DMP*

Subject: Van de Water Treatment Plant  
On-Line Algae Meter Purchase

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The Production Department is seeking approval for the purchase of an online algae meter for the Van de Water Treatment Plant. The algae meter proposed for purchase is the same algae meter that was purchased previously and has been in use for over 8 months at Sturgeon Pt. Water Treatment Plant. The algae meter has proven to be very beneficial in monitoring and process optimization, with no issues experienced with the meter itself.

The Production Department, therefore, recommends purchasing this same meter and appurtenances, for \$56,735.00, as the “standard” product for this application.

According to such, we are also requesting approval for the “sole source” purchase of this meter, as per the attached documentation, from PP Systems as they are the only vendor who supplies products manufactured by bbe Moldaenke (Germany) here in the United States.

### **Budget Information (Budget Year: 2023):**

Unit: 1015 Van de Water Treatment Plant  
Capital Budget Item No. 101740, Online Algae Meter

DMP:jmf  
Attachments  
cc: C. Eaton  
L.Kowalski  
M.Wymer  
L.Lester

# SOLE SOURCE JUSTIFICATION

Requisition Item: bbeMoldaenke PhycoSense On-Line Algae Analyzer

Purchase Order or Master Purchase Order Number: NAR24-0003

Prior Purchase Order or Master Purchase Order Number (if item has been approved previously): \_\_\_\_\_

1. Please describe the item and its function: This analyzer measures and classifies algae counts and types within our source water for treatment

2. This is a sole source\* because:

- Sole provider of a licensed or patented good or service;
- Sole provider of items that are compatible with existing equipment, inventory, systems, programs or services;
- Sole provider of goods and services for which the Authority has established a standard\*\*;
- Sole provider of factory-authorized warranty service;
- Vendor/distributor is a holder of a used item that would represent good value and is advantageous to the Authority (please attach information on market price survey, availability, etc.);
- Sole provider of goods or services that will meet the specialized needs of the Authority or perform the intended function (please detail below or in an attachment).

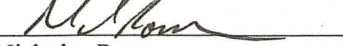
This analyzer will be used to identify potential problem causing algae blooms in the source water and aid in treatment.

3. What necessary features does this vendor provide which are not available from other vendors? Be specific. This analyzer uniquely identifies specific algae classes and also the toxic precursor Phycocyanin, which is released from the toxic algae cells upon their destruction which is only provide by this vendor.

4. What steps were taken to verify that these features are not available elsewhere?

- Verification from manufacturer of sole source attached (current year).
- Other brands/manufacturers were examined (please list phone numbers and names and explain why these were not suitable).  
-Realtech RealAlgae Analyzer which only measures total chlorophyll and not specific classes or toxins  
-Turner Designs C6P Submersible Fluorometer which measures classes but does not interface with SCADA in the appropriate capacity.
- Other vendors were contacted (please list phone numbers and names and explain why these were not suitable).

### SUBMIT TO DIRECTOR OF ADMINISTRATION FOR APPROVAL

Buyer's Signature:   
Buyer's Name Nicholas Roman  
(Please Print)

Date: 5/14/24

Approved:   
Director of Administration

Date: 5/24/2024

\* Sole Source: Only one vendor possesses the unique and singularly available capability to meet the requirement of the solicitation.

\*\* Procurement of items for which the Authority has established a standard by designating a brand or manufacturer or by pre-approving via a testing, shall be competitively bid if there is more than one vendor of the item.



May 13, 2024

Nick Roman  
Erie County Water Authority  
Van De Water Plant  
3750 River Rd  
Tonawanda, NY 14150

Dear Nick,

This letter is to inform you that our company, PP Systems International Inc., is the **exclusive** (sole-source) supplier of products manufactured by bbe Moldaenke (Germany) here in the United States. This includes the PhycoSens, which is a unique (patented), highly sensitive online measuring instrument for the analysis of chlorophyll a with algae class determination and also the additional measurement of Unbound Phycocyanin, which reflects the release of blue-green algae contents like toxins as well as flavors & odorous substances.

PP Systems is capable of providing all sales, service, installation, and technical support for all bbe Moldaenke products, including the PhycoSens.

If you have any questions whatsoever, please do not hesitate to contact me.

For and on behalf of  
PP Systems

A handwritten signature in blue ink that reads 'Tim Doyle'.

Tim Doyle  
Director of Sales

110 Haverhill Road  
Suite 301  
Amesbury, MA 01913  
U.S.A.

Tel: +1 978.834.0505  
Fax: +1 978.834.0545

Email:  
[sales@ppsystems.com](mailto:sales@ppsystems.com)

URL:  
[www.ppsystems.com](http://www.ppsystems.com)

Federal Tax ID#:  
04-3195594

DUNS #:  
808011191



NA124-0003



110 Haverhill Road, Suite 301  
 Amesbury, MA 01913 USA  
 Tel: +1 978-834-0505 Fax: +1 978-834-0545  
 Email: sales@ppsystems.com  
 URL: www.ppsystems.com

**Formal Quotation**

**25306**

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DUNS: 808011191 Federal ID: 04-3195594

**Quote Prepared for:** ER140  
 Nick Roman  
 Erie County Water Authority  
 Van De Water Plant  
 3750 River Rd  
 Tonawanda NY 14150  
 USA  
 Email: nroman@ecwa.org  
 Phone: 716 685 8324  
**Please reference this quotation with your payment and order.**

**U.S. Customers:** If you are sales tax exempt, PP Systems requires your tax exempt certificate prior to processing your order. Please email your certificate to jf@ppsystems.com. ( AK, DE, MT, NH, and OR are excluded.) Otherwise, we may have to charge sales tax.  
**Int'l Customers:** Prices exclude VAT, local taxes, import duties, customs clearance and brokerage fees.  
**Warranty:** One year, parts and labor included.

Our standard Terms & Conditions apply and are available at:  
[www.ppsystems.com/terms-and-conditions](http://www.ppsystems.com/terms-and-conditions)

<b>Prepared By</b> Timothy Doyle		<b>Email</b> td@ppsystems.com		<b>Quote Date</b> 13-May-24
<b>Estimated Delivery</b> 6-10 weeks ARO	<b>Prices</b> US Dollar (\$)	<b>Shipping Terms</b> Prepaid & Add	<b>Payment Terms</b> Net 30 Days	<b>Quote Expiration</b> 11-Aug-24

Line	Part	Description	Quantity	Unit Price	Ext. Price
1	BG91000	PhycoSense AlgaeOnlineAnalyzer - Including Housing and PC With activity measurement	1.00 EA	48,600.00	48,600.00
2	F10149-V	bbe MODBUS Software TCP/IP	1.00 EA	750.00	750.00
3	BG80150	Control Unit w/ Switching Valve AO for 2 sample inlets (up to 8 total inlets are possible with more valves added at additional cost - please inquire)	1.00 EA	6,785.00	6,785.00

Miscellaneous Charges	
Freight & Insurance (Estimated)	600.00

Line(s) Subtotal: 56,135.00 USD  
 Misc. Charges Subtotal: 600.00 USD  
**Total: 56,735.00 USD**

ERIE COUNTY WATER AUTHORITY  
AUTHORIZATION FORM  
For Approval/Execution of Documents  
(check which apply)

**PO #:** NAR24-0003 **Project No.:** \_\_\_\_\_  
**Project Description:** On-Line Algae Meter – Van de Water WTP

**Item Description:**

<input type="checkbox"/> Agreement	<input type="checkbox"/> Professional Service Contract	<input type="checkbox"/> Amendment	<input type="checkbox"/> Change Order
<input type="checkbox"/> BCD	<input type="checkbox"/> NYSDOT Agreement	<input type="checkbox"/> Contract Documents	<input type="checkbox"/> Addendum
<input checked="" type="checkbox"/> Recommendation for Award of Contract		<input type="checkbox"/> Recommendation to Reject Bids	
<input type="checkbox"/> Request for Proposals			
<input type="checkbox"/> Other _____			

**Action Requested:**

<input type="checkbox"/> Board Authorization to Execute	<input checked="" type="checkbox"/> Legal Approval
<input checked="" type="checkbox"/> Board Authorization to Award	<input type="checkbox"/> Execution by the Chairman
<input type="checkbox"/> Board Authorization to Advertise for Bids	<input type="checkbox"/> Execution by the Secretary to the Authority
<input type="checkbox"/> Board Authorization to Solicit Request for Proposals	
<input type="checkbox"/> Other _____	

**Approvals Needed:**

**APPROVED AS TO CONTENT:**

<input checked="" type="checkbox"/> Sr. Production Engineer	<u><i>Richard W. [Signature]</i></u>	Date: <u>5/24/2024</u>
<input checked="" type="checkbox"/> Chief Operating Officer	<u><i>[Signature]</i></u>	Date: <u>05/24/2024</u>
<input checked="" type="checkbox"/> Executive Engineer	<u><i>Joseph F. Koralik</i></u>	Date: <u>5/24/2024</u>
<input checked="" type="checkbox"/> Director of Administration	<u><i>Dawnysa [Signature]</i></u>	Date: <u>05/24/2024</u>
<input checked="" type="checkbox"/> Risk Manager	<u><i>Molly Jo Musarra</i></u>	Date: <u>5/28/2024</u>
<input checked="" type="checkbox"/> Chief Financial Officer	<u><i>[Signature]</i></u>	Date: <u>05/24/2024</u>
<input checked="" type="checkbox"/> Legal	<u><i>[Signature]</i></u>	Date: <u>5/27/2024</u>

**APPROVED FOR BOARD RESOLUTION:**

<input checked="" type="checkbox"/> Secretary to the Authority	<u><i>[Signature]</i></u>	Date: <u>5/28/24</u>
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**Remarks:** \_\_\_\_\_

**Resolution Date:** \_\_\_\_\_ **Item No:** \_\_\_\_\_