



Board of Aldermen Request for Action

MEETING DATE: 5/2/2023

DEPARTMENT: Public Works

AGENDA ITEM: Resolution 1219, acknowledging the emergency purchase of replacement UV light sleeves at the wastewater treatment plant.

REQUESTED BOARD ACTION:

A motion to approve Resolution 1219, acknowledging the emergency purchase of replacement ultra-violet (UV) light sleeves at the wastewater treatment plant from Trojan Technologies in the amount of \$9,664.

SUMMARY:

The Purchasing Policy outlines the spending authority of the City Administrator at \$7,500. From time to time, it is necessary for the Administrator to authorize purchases exceeding that authority in order to address an immediate need. When this occurs, the Board is notified of the emergency need and that the Administrator has authorized the necessary purchase.

To this end, authorization of an emergency purchase in the amount of \$8,739 is included in the attached resolution. This purchase was approved by the City Administrator to expedite purchase ultraviolet (UV) light sleeves.

The City uses Ultraviolet light at the wastewater treatment plant to disinfect the effluent prior to discharging into the receiving stream. The use of UV light is a disinfection method used for destroying disease-causing organisms in wastewater effluent. The UV light destroys the genetic material of microorganisms which prevents them from reproducing.

The UV light bulbs are protected with plastic sleeves. The intensity of the lights has caused the sleeves to turn yellow, thus filtering the UV light reducing the penetration of the light thus reducing the efficiency of the disinfection process. When this happens, the plant's e-coli readings increase and are exceeding the plant's permit limits so the sleeves need to be replaced.

PREVIOUS ACTION: none

POLICY ISSUE:

Facility / infrastructure maintenance

FINANCIAL CONSIDERATIONS:

The 2023 CWWWS maintenance budget has sufficient funds for this expense.

ATTACHMENTS:☐ Ordinance☒ Resolution☐ Staff Report☒ Other: Quote☐ Contract☐ Plans☐ Minutes

RESOLUTION 1219

A RESOLUTION AUTHORIZING THE PURCHASE OF ULTRA-VIOLET LIGHT SLEEVES AT THE WASTEWATER TREATMENT PLANT

WHEREAS, the City Administrator's purchasing authority is \$7,500, however in emergency situations, the City Administrator is authorized to make purchases that exceed that amount in order to expedite repairs or purchases for city needs; and

WHEREAS, the City of Smithville operates a wastewater treatment plant to treat the City's sanitary sewage; and

WHEREAS, ultraviolet (UV) light is used to disinfect the effluent prior to discharge into the receiving stream; and

WHEREAS, the UV bulbs are protected by plastic sleeves; and

WHEREAS, the sleeves at the wastewater treatment plant have yellowed from use and are filtering the UV light limiting the effectiveness of the system and not providing the disinfection needed to meet the City's discharge limits necessitating replacement.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:

THAT the Board authorizes the purchase of the UV light sleeves in the amount of \$9,664 from sole source vendor Trojan Technologies.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 2nd day of May, 2023.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk



TROJAN TECHNOLOGIES
3020 GORE ROAD
LONDON, ON N5V 4T7
CANADA
T. 519-457-3400
www.trojantechnologies.com

QUOTATION
QO0005061

Sold to
CITY OF SMITHVILLE
107 West Main Street
Smithville MO 64089-9384
UNITED STATES

Ship to
CITY OF SMITHVILLE
107 West Main Street
Smithville MO 64089-9384
UNITED STATES

Customer Service Contact : tuvcustomerservice@trojantechnologies.com

Payment Terms : 0% / 00 / 30 net

Delivery Terms :

Carrier/LSP :

Internal Sales Rep : Erin Johnson

Customer No. : 100004650

Reference :

Quote Date : 04-14-2023

Quote Expiry Date : 05-14-2023

DALTON 816-772-5476
utilities@smithvillemo.org

Line	Project Item Description	Quantity	Price Discount %		Unit Net Price Net Amount	Tax Rate Tax Amount	Amount
10	316136 SLEEVE, QTZ UV3+ 28x25x1958	64.00	151.00/	EA	151.00 9,664.00	0.00% 0.00	9,664.00
20	FREIGHT FREIGHT & HANDLING	1.00	/	EA	0.00 0.00	0.00% 0.00	0.00
		Goods	9,664.00	Discount	0.00	Tax Amount	Total USD
		Costs	0.00	Subtotal	9,664.00	0.00	9,664.00



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