


**PUBLIC WORKS AND UTILITIES  
MEMORANDUM #08-19**

**DATE:** September 11, 2008  
**TO:** Honorable Mayor Kathleen M. Novak and City Council Members  
**FROM:** David F. Allen, Acting City Manager / Public Works and Utilities Director   
**SUBJECT:** Ultra-violet System Lamp Replacement and Other Accessories

**RECOMMENDATION:**

Attached to this memorandum is a Resolution which, if approved, would authorize the City Manager to approve a purchase order with Water Control Corporation to provide ultra-violet lamps and other accessories for an amount not to exceed \$32,808. Staff recommends approval of the Resolution.

**BACKGROUND:**

The City is required to disinfect the discharge from the Wastewater Treatment Facility (WWTF) in accordance with the State of Colorado Water Quality Control Commission Regulation Number 22. The City of Northglenn currently uses ultra-violet light (UV) to disinfect the discharge of the mechanical plant. The disinfection system was installed during the 2004 WWTF Expansion Project which included two banks of UV lights.

The banks are made up of modules with UV light ballasts (lamp) and end caps. The UV light from the lamps disinfects the effluent and is the most critical component of the UV disinfection system. The lamps have a life expectancy of 12,000 hours of operations. One bank of lamps has been in operation for approximately 11,400 hours and the other has already reached its 12,000 hours life expectancy.

During the lamp replacement, the end caps which seal the ballast area of the modules will also require replacement. The replacement of the end caps will help prevent flooding of the individual modules containing the ballasts and the lamps by discharge water. The replacement of the end cap is essential as, the City has experienced flooding in the past of the individual modules during power failures or other unplanned emergency shut downs.

Water Control Corporation is the factory authorized representative and sole source of Trojan Technology Incorporated in Colorado. In order to maintain the equipment performance guarantee, components must be purchased directly from Trojan Technologies.

**BUDGET/TIME IMPLICATIONS:**

There is no impact to the General Fund. The not to exceed cost of the purchase order is \$32,808.00. There are sufficient funds in the 2008 Utilities Department Operating Budget (account number 510.65104.000.6000) to pay for the UV Lamps and end caps.

**STAFF REFERENCE:**

If Council Members have any comments or questions, they may contact David Allen at (303) 450-8783 or [dallen@northglenn.org](mailto:dallen@northglenn.org).

SPONSORED BY: MAYOR NOVAK

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-140  
Series of 2008

\_\_\_\_\_  
Series of 2008

A RESOLUTION TO AUTHORIZE THE CITY MANAGER TO ISSUE A PURCHASE ORDER TO WATER CONTROL CORPORATION IN AN AMOUNT NOT TO EXCEED \$32,808 FOR THE PURCHASE OF ULTRA-VIOLET LAMPS AND ACCESSORIES FOR THE WASTEWATER TREATMENT FACILITY

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. The City Manager is hereby authorized to issue a Purchase Order to Water Control Corporation in an amount not to exceed \$32,808 for the purchase of UV Lamps and accessories to be used to disinfect the discharge from the Wastewater Treatment Facility

DATED at Northglenn, Colorado, this \_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
SHERI L. PAIZ  
Mayor Pro Tem

ATTEST:

\_\_\_\_\_  
JOHANNA SMALL, CMC  
Acting City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
COREY Y. HOFFMANN  
City Attorney

# WACCO

WATER CONTROL CORPORATION  
2460 W. 26<sup>th</sup> Avenue, Suite 215-C  
Denver, CO 80211-5359  
(303)477-1970 • FAX: (303)477-1981

## QUOTATION FOR TROJAN PARTS

<b>Quote To:</b>	Karl Heil	<b>Date:</b>	8-12-2008 <b>REVISED</b>
<b>Company:</b>	Northglenn, CO	<b>Terms:</b>	NET <b>30</b> DAYS
<b>Phone:</b>	303-457-0931	<b>Shipment:</b>	Upon Receipt of P.O.
<b>Fax No. Or e-mail address:</b>	kheil@northglenn.org	<b>NOTE:</b>	<b>Damage claims will only be accepted if shipment is inspected and damages are reported within 24 hours of receipt of order to Water Control Corp.</b>

### \$50 MINIMUM ORDER

QTY	PART NO.	DESCRIPTION	UNIT PRICE	TOTAL
18	316506-003	End Cap Replacement Kit – Contains all parts required to retrofit entire module (plain and power)	71.00 ea.	1,278.00
150	302509	Lamp, GA64T6 Amalgam	208.00 ea.	31,200.00
		Estimated Freight Charges		330.00

**Water Control Corporation does not accept credit cards at this time.**

### **NO VERBAL ORDERS WILL BE ACCEPTED**

Purchase Orders for the above equipment must be made out as follows:

**Water Control Corporation**  
2460 West 26<sup>th</sup> Avenue, Suite 215-C  
Denver, CO 80211-5359

Water Control Corporation  
by **Debby**  
**Patton**

**Include your BILL TO and SHIP TO address,  
telephone and fax number.**



**WACO** WATER CONTROL  
CORPORATION



**Trojan Technologies Inc.**

World Leader in UV Disinfection Systems

September 4, 2008

City of Northglenn  
Attn: Mr. Karl Heil  
5445 Weld County Road 2  
Brighton, CO 80602

**RE: TROJAN UV REPLACEMENT PARTS**

Dear Mr. Heil,

In order to keep your Trojan Technology equipment performance guarantee intact, it is recommended that specialized system components be purchased and contracted directly from Trojan Technologies. Based on the above information, Water Control Corporation would be your sole source of purchasing all Trojan Technology replacement parts in Colorado.

If you have any questions regarding replacement parts or if you wish to purchase Trojan Technology parts for your system, please contact us at 303-477-1970.

Sincerely,

Debby Patton  
Water Control Corporation