



1901 Inc.
2801 Syene Rd
Madison, WI 53713-3203
www.1901inc.com
Office: 608.308.1901 Fax: 608.273.9654

INVOICE NO. 23-5619

BILL TO COLUMBUS WASTE WATER TREATMENT
537 RIVER ROAD
COLUMBUS, WI 53925

JOB AS231764
COLUMBUS WWTP AS231764*WWTP
TESTING HOT WATER TERMINAL UNT
KATIE 920-350-2631
537 RIVER ROAD
COLUMBUS, WI 53925

ACCOUNT	INVOICE DATE	PO NUMBER	DUE DATE	JOB NUMBER	PAGE
COLUMWWT	1/9/2024		2/8/2024	AS231764	1

ATTN: KATIE ANDING

WORK REQUESTED: TESTING HOT WATER TERMINAL UNT

WORK COMPLETED: 10/24/23: Troubleshoot through and traced pneumatic lines throughout the building. I have found many runs disconnected and found two leaks by the disconnected air handler #2 and by the new boilers. Most of the time was tracing the lines from the pneumatic control panel for AHU-2. I have found all of the lines to the dampers of this unit to be no longer in use and the only way for the air handler to run at this time is when the motor control is put in hand. AHU-2 only supplies the lab which is currently being served by a separate furnace/ac. The main air pressure was also adjusted from 10 psi to 18 psi on the regulator located off of the air drier as there are other leaks that have not been found that is causing the thermostats and valves to not function properly. The thermostat in the main office has been calibrated to 5.5 psi as the valve calls for this for proper calibration. Once calibrated and the lines restored with enough air pressure to overcome the spring, the office will no longer over heat. The locker room was also calibrated but the actuator and valve need to be replaced. I have shut off the return ball valve to 3/4 to avoid overheating the space until a replacement can be installed. The unit heater in the main entrance is leaking by and requires further troubleshooting. The remainder of the day was going through the mess of abandoned pneumatic lines that still have pressure. There are unit heaters in each restricted chlorine rooms to the east of the boiler room. Each room has pneumatic lines run in the same conduit as the power lines to the fan control. It looks like the units used to be controlled via pneumatic thermostats but have been converted to electric thermostats that only control the fan on the units. Only one of these unit heaters which is located on the 4th room to the east of the boiler room still has a pneumatic actuator but there is no pneumatic thermostat and the lines are disconnected. The final unit heater was also turned off by a shutoff valve and will require more troubleshooting. I will need a return trip to finish going through the remaining terminal units and to calibrate there thermostats some of which do not have any thermostats and the lines have been bypassed.

10/24/23: Finished going through the remainder of the units. I have a separate data sheet with repairs needed. I was able to get the main office, office #1, the break room, and the hallway heaters to run and be able to heat on demand for this winter. All of the working thermostats have been calibrated. Two of the chemical room heaters have been disabled and one of the heaters has a leak and has been isolated. All of the repairs are detailed on the separate data sheet. I also recommend that all the pneumatic lines be ran with new to avoid leaking as we are still down 8 psi from the supply pressure due to unknown leaks. While running new lines we would be able to remove any of the abandoned runs to avoid further confusion for anyone troubleshooting future issues.

ITEM QTY.	DESCRIPTION OF ITEM	ITEM PRICE	ITEM TOTAL
25	HVAC SERVICE TECH LABOR	155.00	3,875.00*
2	FUEL SURCHARGE	10.00	20.00*

Amounts over 30 days subject to 1-1/2% service charge per month

AMOUNT DUE:

3,895.00

****NEW PAY YOUR BILL ONLINE****

To pay online, visit our website at www.1901inc.com/contact-1901 or follow one of these links:
[Pay 1901 Invoice via CC](#) (3% CC fee) **MasterCard / Visa / American Express / Discover Accepted**
[Pay 1901 Invoice via ACH](#) (no fee)

Please make checks payable and mail to 1901 Inc. 2801 Syene Road Madison, WI 53713-3203

Contact us for all our services

ELECTRICAL

FIRE PROTECTION

HVAC

PLUMBING



1901 Inc.
2801 Syene Rd
Madison, WI 53713-3203
www.1901inc.com
Office: 608.308.1901 Fax: 608.273.9654

INVOICE NO. 23-5619

BILL TO COLUMBUS WASTE WATER TREATMENT
537 RIVER ROAD
COLUMBUS, WI 53925

JOB AS231764
COLUMBUS WWTP AS231764*WWTP
TESTING HOT WATER TERMINAL UNT
KATIE 920-350-2631
537 RIVER ROAD
COLUMBUS, WI 53925

ACCOUNT	INVOICE DATE	PO NUMBER	DUE DATE	JOB NUMBER	PAGE
COLUMWWT	1/9/2024		2/8/2024	AS231764	2

FINAL BILLING

TOTAL AMOUNT: 3,895.00

* means item is non-taxable

Amounts over 30 days subject to 1-1/2% service charge per month	AMOUNT DUE:	3,895.00
---	--------------------	-----------------

****NEW PAY YOUR BILL ONLINE****

To pay online, visit our website at www.1901inc.com/contact-1901 or follow one of these links:
[Pay 1901 Invoice via CC](#) (3% CC fee) **MasterCard / Visa / American Express / Discover Accepted**
[Pay 1901 Invoice via ACH](#) (no fee)

Please make checks payable and mail to 1901 Inc. 2801 Syene Road Madison, WI 53713-3203

Contact us for all our services

ELECTRICAL

FIRE PROTECTION

HVAC

PLUMBING