

Date: 6/20/2024

Region: 4A

CSS No.: 98095

FAC ID: NY030

Maximo WO No.: 15817

Asset #: NA

Priority: Routine



Original Work Request:

Repair/Replace approximately 20 feet of piping in boiler room. Pipes show signs of corrosion and may start leaking.

Description of Repairs Needed:

Labor and material to a.) shut down and drain the boiler system, b.) remove 20 plus feet of piping, fittings, and valves c.) cut the 2 inch black pipe that has corrosion on it, d.) will need to reread it, e.) then install dielectric nut unions to prevent corrosion from happening again, f.) then install new copper line fittings and valves. g.) recharge the system, h.) test for leaks and proper operation. i.) Clean up and properly dispose of all debris generated at job site.

Labor	Labor Hrs	Labor Rate	Total
Technician	24	\$ 100.00	\$ 2,400.00
		\$ -	\$ -

Material List:

	Quantity	Cost	Total
2" Copper tubing, Type K, straight (10')	3	\$ 457.55	\$ 1,372.65
Di-electric union 2"	3	\$ 217.35	\$ 652.05
Manual Two-way Ball Valve 2", Brass, Straight 300psi (CWP)	3	\$ 406.85	\$ 1,220.55
Union, Bronze 2" Copper tube size, EPDM o-ring	2	\$ 218.21	\$ 436.42
Tee, copper press-fit 2"x2"x2"	2	\$ 82.36	\$ 164.72
45 Degree elbow, copper 2"x2"	4	\$ 65.78	\$ 263.12
Abrasive utility roll, aluminum oxide 120 grit	1	\$ 13.21	\$ 13.21
90 Degree elbow, copper press-fit 2"x2"	5	\$ 98.89	\$ 494.45
Coupling with stop, copper, press-fit 2"x2"	4	\$ 33.18	\$ 132.72
Pipe insulation tube, fiberglass 1" thick (3')	7	\$ 15.13	\$ 105.91
Pipe insulation tape 3" 3,000 mil thick	1	\$ 73.14	\$ 73.14
Cutting oil	1	\$ 5.59	\$ 5.59
Pipe fitting insulation, tee, fiberglass slit 1" thick, 2" inside dia	1	\$ 42.06	\$ 42.06
Pipe fitting insulation, 90 degree elbow, fiberglass slit 1" thick, 2" inside dia	3	\$ 27.43	\$ 82.29

Equipment List:

	Quantity	Cost	Total
Pipe threader rental	1	\$ 250.00	\$ 250.00
		\$ -	\$ -
		\$ -	\$ -

PM WO History:

NA

Estimate Summary:

Labor	Material	Equipment
\$ 2,400.00	\$ 5,058.88	\$ 250.00

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$ 7,708.88	--	--	\$ 7,708.88

Note: G&A and Fee are not applied on top of work performed by Tidewater.

Prepared by:

Tidewater, Inc.
6625 Selknick Drive, Suite A
Elkridge, MD 21075

Prepared for:

CMI Management, Inc.
5285 Shawnee Road Suite 510
Alexandria, VA 22312-2334

Date: 6/20/2024 **CSS #:** 98095
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DESCRIPTION OF WORK			
Labor and material to a.) shut down and drain the boiler system, b.) remove 20 plus feet of piping, fittings, and valves c.) cut the 2 inch black pipe that has corrosion on it, d.) will need to rethread it, e.) then install dielectric nut unions to prevent corrosion from happening again, f.) then install new copper line fittings and valves. g.) recharge the system, h.) test for leaks and proper operation. i.) Clean up and properly dispose of all debris generated at job site.			

LABOR	QTY	UNIT/RATE	TOTAL
Technician	24	\$100.00	\$2,400.00
		\$0.00	\$0.00
MATERIAL	QTY	UNIT/RATE	TOTAL
2" Copper tubing, Type K, straight (10')	3	\$457.55	\$1,372.65
Di-electric union 2"	3	\$217.35	\$652.05
Manual Two-way Ball Valve 2", Brass, Straight 300psi (CWP)	3	\$406.85	\$1,220.55
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Pipe fitting insulation, 90 degree elbow, fiberglass slit 1" thick, 2" inside dia	3	\$27.43	\$82.29
EQUIPMENT	QTY	UNIT/RATE	TOTAL
Pipe threader rental	1	\$250.00	\$250.00
		\$0.00	\$0.00
		\$0.00	\$0.00
SUB-TOTAL COSTS:	LABOR TOTAL		\$2,400.00
	MATERIAL TOTAL		\$5,058.88
	EQUIPMENT TOTAL		\$250.00
TOTAL COST:			\$7,708.88

Accepted By: _____ Date: _____









