MASON CITY, IOWA 50401 USA

COMBINED HEAT AND POWER (CHP) EQUIPMENT SEALED BID www.powerplantauction.com THURSDAY, FEBRUARY 27 • SEALED BID 4:00 PM \$3.2 MILLION DOLLAR 8MW COGEN (STEAM) TURBINE POWER PLANT EQUIPMENT PACKAGE

EQUIPMENT CATALOG



LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

OUTSIDE COMPRESSOR BUILDING

- 1 ARIEL CORPORATION NATURAL GAS RECIPROCATING 2-THROW COMPRESSOR Model- JGA/2, S/N F-11050 (Mfg. March-1996) 3 In. Stroke, Maximum Rated Speed 1,800RPM, Minimum Rated Speed 900RPM, Maximum Total Rod Load (Compression + Tension) 18,000 lbs., Normal Lube Oil Pressure 50psi, Lube Oil Pressure Shutdown Setting 25 psi, Maximum Lube Oil Temperature 190 degrees F.
 - 1st Suction 10" NAT'L BD. NO. 1424 U Stamp, 150 psi at 150 degrees F Max Allow. Working Pressure; -20 degrees F at 150psi, Min. Design Metal Temp. S/N 96121A (Mfg. 1996); S/N U-15231 Thd. Lead (TPI) .083, Cyl. Bore (In.) 7-1/2 JG, Trav. (In.) 2.94, Unl. Bore (In.) 6.00, Vol. 28.27 Cu. In./In.; Certified by Pressure Products, Inc. Fort Worth, Texas.
 - 1st Cylinder S/N: C-30873, Bore (In.) 7-1/2 JG, Stroke (In.) 3.00, Max. Allowable Working Pressure (Max. Relief Valve Setting psig) 600, Pist. End. Cl. HE 2/3, CE 1/3, Min. Vol. CL (%) HE 14.07, CE 14.09, Rated RPM 1800.
 - 1st Discharge 8" NAT'L BD. NO. 1426 U Stamp, 250 psi at 350 degrees F Max Allow. Working Pressure, -20 degrees F at 250 degrees psi Min. Design Metal Temp. S/N 96122 (Mfg. 1996); Certified by Pressure Products, Inc. Fort Worth, Texas.
 - 1st Suction 10" NAT'L BD. NO. 1425 U Stamp, 150 psi at 150 degrees F Max Allow. Working Pressure; -20 degrees F at 150 psi, Min. Design Metal Temp. S/N 96121B (Mfg. 1996); S/N U-15232 Thd. Lead (TPI) .083, Cyl. Bore (In)7-1/2 JG, Trav. (In.) 2.94, Unl. Bore (In.) 6.00, Vol. 28.27 Cu. In/In.; Certified by Pressure Products, Inc. Fort Worth, Texas.
 - 1st Cylinder S/N: C-30870, Bore (In.) 7-1/2 JG, Stroke (In.) 3.00, Max. Allowable Working Pressure (Max. Relief Valve Setting psig) 600, Pist. End. Cl. HE 2/3, CE 1/3, Min. Vol. CL (%) HE 14.07, CE 14.09, Rated RPM 1800.
 - 1st Discharge 8" NAT'L BD. NO. 1427 U Stamp, 250 psi at 350 degrees F Max Allow. Working Pressure, -20 degrees F at 250 degrees psi Min. Design Metal Temp. S/N 96123 (Mfg. 1996); Certified by Pressure Products, Inc. Fort Worth, Texas.
 - 14" OD SCRUBBER- NAT'L BD. NO. 1430 U Stamp, 150 psi at 250 degrees F Max Allow. Working Pressure, -20 degrees F at 150 psi Min. Design Metal Temp., S/N 96126 (Mfg. 1996).
 - BASCO/AMERICAN PRECISION INDUSTRIES HEAT EXCHANGER- NAT'L BD. NO. 43400 U Stamp, 150 psi AT 100 degrees F Max Working Pressure Shell, 300psi at 400 degrees F Max Working Pressure Tube, 20 degrees F at 150 psi M.D.M.T Shell Side, 20 degrees F at 300 psi M.D. M. T Tube Side, S/N: 961334-0101, Part No. 8A76A06048 (Mfg. 1996, Size 06048, Certified by BASCO.

- LOT# QUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION
 - MURPHY EXPLOSION PROOF OIL LEVEL MAINTAINER WITH 4 GAL. APPROX. OIL RESERVOIR TANK EQUIPPED WITH SIGHT GAUGE AND OIL PUMP WITH 5GPM FLOW RATE- Model LM 305-EX, S/N 65000395732, Dual Switch, Alarm on Low Level and Shut Down on Low-Low Level.
 - V-TORK PNEUMATIC ACTUATOR WITH FLOW CUT OFF BALL VALVE- Model-VT140S10, S/N S20160360996. ENISO 5211/Square F10/12 27, Max Operating Pressure 8 Bar, Operating Temperature -15 degrees C to 80 degrees C, Pressure Connection NPT .25".
 - FISHER ELECTRO PNEUMATIC SLIDING STEM ACTUATOR CONTROL VALVE WITH FISHER FIELDVUE DIGITAL SMART POSITIONER- Remanufactured by Sullivan & Sons, Inc., S/N 15243.
 - 4-ENDRESS HAUSER DIGITAL FLOW METERS PEDESTAL MOUNTED-Remanufactured by Sullivan & Sons, Inc.
 - Powered by: SIEMENS EXPLOSION PROOF ELECTRIC MOTOR- Model XP100, Part No. 1MB21214EB212AG3, 150 hp, 1785 RPM Hazardous Location Electric Motor, Phase 3, S/N Q2-J16T1860XPE 1.
 - WEG EXPLOSION PROOF ELECTRIC MOTOR- Model- 5018XS3E56, .54 hp Phase 3, 1,725 RPM, S/N A61120397.
 - HUBBELL KILLARK HAZARDOUS LOCATION ENCLOSURE- Cast Aluminum Type 4.
 - Vertical Air Receiver Tank with Necessary Transfer Pumps, Reservoirs, Filters, Piping, Valves and Fittings. Unitized and Installed on 8 ft. Wide x 13 ft. Long x 8 ft. High (approx.) Oilfield Skid having a Diamond Checkered Plate Deck.
 - Natural Gas Piping Manifold with V-TORK PNEUMATIC ACTUATORS with Flow Cut Off Ball Valves. Does Not Include Necessary Gas Line to Building. See Lot Photos for Included/Excluded Items.
- NOTE: BUYER RESPONSIBLE FOR REPAIRING ALL WALL AND ROOF PENETRATIONS WHERE EQUIPMENT WAS REMOVED. REPAIR MUST BE WEATHER TIGHT AND MADE WITH MATERIAL OF SIMILAR CONSTRUCTION.

LOT# QUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

MAIN BUILDING- COGEN STEAM ROOM

- 2 SOLAR TURBINES/CATERPILLAR CENTAUR 50 TYPE H GAS TURBINE GENERATOR SET
 - Model- HG92957 4.25 MW / 4250 KW Solar Centaur Type H Gas Turbine Generator Set, Model #GS1-CU-KA, Assembly 2-46141, S/N: #HG92957, (Mfg. 1994) 28.9' Long x 8' Wide x 9' 3" tall approx., Estimated Hours 2,500-3,000 Hours, Full Acoustical Enclosure, Dual Fuel: Natural Gas or #2 Oil. Gas Turbine: SOLAR / CATERPILLAR-Model Centaur 50, Version: 5701, Engine ID: EH5701-59-DW, S/N: OHE10-H1460, Power 4138/4060 (G/L), NGP (RPM) 14951 60 HZ / 14944 50 HZ, IGV Setting: 8.0, T5 Base (G/L) 1297 F/1288 F, Setpoint Full Load (G/L) 1400 F/1400 F; T5 Comp. # 120902-18.
 - GEAR UNIT: SOLAR TURBINES Gear Unit Assembly- Model- E136600-204-950, S/N: GBE10-63537, 1800 RPM; AC Generator: 4.25 MW KATO ENGINEERING Brushless Synchronous AC Generator Model #A255800000, Type 25580, S/N 99317-01, 3/60/2400/4160V, 737 Amp, Temp Rise 80 C, Design AMB 40 C, SOLAR P/N 190544-1, Catalog 4PT-3800; Lube Oil Booster Pump Skid: (2) VIKING Pumps Model- HJ4195 with 5 hp Electric Motors, 1,140RPM, 230/460V. Skid Mounted: 3' W x 6' H x 5' L. and (2) BRI Filters MAWP 250 psig @ 250 degrees F, MDMT -20 degrees F @ 250 psi, (Mfg. 1992); Combustor Housing P/N: E136231-300, S/N CECOO-73071.
 - SOLAR / CATERPILLAR- Control Console Model- #GS1-C0, S/N HG92957, Assembly #CON46141, 240 Volts AC, 1 PH, 180 Hz, 5 Amps, Rating 24 Volts DC, 30 Amps.
 - FUEL CONTROL VALVE: CONTINENTAL CONTROLS CORPORATION- Model-AGV 50-7 EP, S/N 1345, P/N 50200008-7, Calibrated for Centaur 50, (Mfg. 29 Aug 2016), Electrical Rating 24VDC 1.0AMP, Fuel Type Natural Gas 4,000BTU/SCFM, Temp. -40 degrees C to 85 degrees C, Max Pressure (PS) 500 psig (35 BAR).
 - LUBE OIL COOLERS: (3) HAYDEN INDUSTRIAL PRODUCTS- Model TT-318, Test Pressure 260psi P/N 024479-100 S/N's 11,997, 12,000, 12,002, (Mfg. 12/14/2010) with 5 hp Electric Motors 460/3/60 1,150RPM, (215T)(Mfg. 2010), Each with TEL-TRU Thermometer Glass Face Gauge 0-200 degrees F 40" Wide x 48" Tall x 70" Long (Total for 3).
 - DONALDSON SELF CLEANING PULSE AIR FILTRATION SYSTEM- Model- OSM 42803009 / TTD 00-4019, S/N A6882, Mfg. 1994, Capacity, 30,000SCFM, Single Air Flow Direction, Element # P125744, Equipped with 2 Banks of Cylindrical Cartridge Filters and Air Powered Cleaning Wand/Nozzle with Flexible Hosing, Shipping Weight 5,500 lbs. With HUBBELL KILLARK Hazardous Location Outlet Type 4 Enclosure, Cat. No. SPM25025 XB-12245, S/N 34993.

LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

- WELDRITE Mfg. C02 FIRE SUPPRESSION CYLINDER SYSTEM- (Mfg. 2007) SOLAR P/N 1070736-3A192, S/N 00534, Ambient Temp. Range 0-130 degrees F, CO2 Cylinder Pressure/Temp. 800 psi MAX / 70 degrees F, System Working Pressure 600 psi, Solenoid Operating Voltage and Power 24 VDC @ 33 Watts., Steel CO2 Tank Storage Cabinet, 11-FIKE CORPORATION Carbon Dioxide Cylinder Assembly Tanks, Assembly No. C70-075, S/N 0523593-2.
- GLOVER RESISTORS INC. NEUTRAL GROUNDING RESISTOR POST- Volts 8,000, Amps 400, Ohms 20.0, Duty 10 Second, Temp Rise 760 degrees C, DWG #NG080A400-GGG0A01K0, S/N 38507-2-1.
- FIRE DETECTION SYSTEM CONTROLLER-DET TRONICS FLAME DETECTION SYSTEM, 8 Zone Output Display Housed in a Metal Turbine System Control Cabinet with Allen Bradley PanelView Plus Automation Display Screen.
- KOCH MIST ELIMINATOR- Model- BD PRF MK III, Type 19 x 14, MOC 304 Stainless, SOLAR P/N 186146 2, with ENTEX FABRICATION INC. 232 Gal. Approx. Oil Tank. Design Pressure ATMOS psi at AMB degrees F, S/N 2879BBB (Mfg. 1992), Item Number 01, Est. WGT. 450 lbs. with VAREC 4" FLAME ARRESTOR- Model 3C-12, S/N A, For Use with Oil Storage Tanks 880L, Mounted on Elevated Steel Work Platform with Metal Climbing Ladder and 12' Long approx. Vertical Vent Pipe. Located Outside.
- METAL MEZZANINE CATWALK, INSPECTION PLATFORM WITH LADDER. Steel Construction with Steel Non-Slip Decking. (Unused Hand Rails are Located Outside, Adjacent to Shipping Container).
- INCLUDES ALL TURBINE RELATED DUCTING INSIDE AND OUTSIDE BUILDING.
- NOTE: BUYER RESPONSIBLE FOR REPAIRING ALL WALL AND ROOF PENETRATIONS WHERE EQUIPMENT WAS REMOVED. REPAIR MUST BE WEATHER TIGHT AND MADE WITH MATERIAL OF SIMILAR CONSTRUCTION.

LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

- 3 ENERGY RECOVERY INC./ EFFOX HEAT RECOVERY STEAM GENERATOR / HRSG / DIVERTER VALVE- 135140-1 (Mfg. 7/92)
 - 42" Square Inlet x 42" Outlet x 42" Bypass Flap Diverter, Max Flow Volume 145,508 lbs./hr., 1050 degrees F Max Design Temp, 0.5% Leakage at 6"W.C., ¼" Steel Approx. with 16'-2" High Steel I-Beam Support Base, 19'-6" Silencer Outlet Height, Roof Mounted Exhaust Stack, EFFOX 5-Way Diverter Valve PO #: 3196, with FLOWSERVE AUTOMAX Pneumatic Damper Actuator, Model R414DA, S/N L622182, Max. Pressure 150 psi., VAC D500 Digital Electro-Pneumatic Positioner with Steel Pressure Vessel, Domed Top and Bottom, U Stamp, N/B # 1057816 Certified by Manchester, OH, 20" Diameter x 48" Tall Approx.
 - BYPASS EXHAUST STACK/SILENCER ASSEMBLY- INCLUDES ALL EXHAUST STACK PIPING INSIDE AND OUTSIDE BUILDING.
- NOTE: BUYER RESPONSIBLE FOR REPAIRING ALL WALL AND ROOF PENETRATIONS WHERE EQUIPMENT WAS REMOVED. REPAIR MUST BE WEATHER TIGHT AND MADE WITH MATERIAL OF SIMILAR CONSTRUCTION.
- 4 NATIONAL DYNAMICS CORP. WATERTUBE WASTE HEAT BOILER WITH ECONOMIZER

Model- S-3-1816 W2929 (Mfg. 1992) Rebuilt 2016 State of Iowa Boiler/Pressure Vessel Registration Number 101642, N/B 2804, Model- S3 1816 Original Specs. Max AWP 200 psig, Heating Surface 13,570 sq. ft., S/N W 2929, (Mfg. 1992), 31' Long x 8'-10" Wide x 18' Tall approx., Rated STM. Cap. 40,000 lbs./hr., ASME Section 1 1989/1990 Boiler was Redesigned and Rebuilt by RASMUSSEN MECHANICAL SERVICES and CLEAVER BROOKS, Date Altered/Rebuilt 10-16-2015, N/B 1065, R Stamp, Code Used For Alteration Performed ASME Section 1 2013, Max. AWP 200 psig, Heating Surface Increased to 16,804 sq. ft., Original Set Up Included a Duct Burner Which Helped Obtain the Rated 40,000 lbs./hr. Predicted Steam Output is Now Rated at 24,450+/-PPH Since the Duct Burner Was Removed from the System. Fin Geometry Was Reconfigured to Increase Steam Production Without the Use of the Original Duct Burner. First 2 Rows Were Changed From Bare Tubes to 3 Fins Per Inch. Fin Density Was Increased on Remaining Rows From 5 Fins Per Inch to 6 Fins Per Inch. Total Surface Area Was Increased From 13,547 to 16,804 sq. ft., Predicted Unfired Steam Capacity Increased Approximately 400 lbs./hr. Completely Re-Tubed in 2015 With All Fins Replaced. Tubes SA-178A 2" OD Fin Material SA-1008 type B. Old Seal Rings Removed From Around the Drum. New Seal Rings Were Installed by Welding. Seal Rings SA-36 10 GA. New Stainless Steel Flow Liner Was Installed from the Diverter to the Boiler.

LOT# QUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

GENERAL SPECS:

Exhaust Gas Flow 145,508 lbs./hr., Exhaust Gas Temp. 953+/- 10 degrees F, Exhaust Gas Pressure 14.5 psig, Heat Loss 1%, Firing Temp. 1211+/- 10 degrees F, Burner Duty-LHV 11.0MM BTU/H, Steam Pressure 185 psig, Steam Temp. 382+/- 10 degrees F, Steam Flow 24,450 lbs./hr., Feed Water Temp 348+/- 10 degrees F, Blow Down 3%, Elevation 1,155', Drum Press. 185 psig, HRSG Gas Pr. Drop 4.38 in WC, Total Duty 21.5 MM BTU/HR, Pinch 13.9 degrees F, Approach 33.8 degrees F.

PROCESS DATA:

Surface-

- Gas Temp In +/- 10 degrees F Evap. 953 / 809, Gas Temp Out +/- 10 degrees F Evap. 809 / 396
- Gas Sp. Ht. BTU/LBF 0.275 / 0.265, Duty MM BTU/H. 5.72 / 15.79, Surface Area FT(2) 1,003 / 15,802
- Gas Pr. Drop In WC. 0.20 / 4.19, Foul Factor Gas. 0.001 / 0.001

Steam Side-

- Steam Press. psig 185 / 185, Steam Flow lbs./hr. 24,450 / 24,450, Fluid Temp. In F 348 / 348, Fluid Temp Out +/- 10 degrees F 382 / 382, Foul Factor Fluid 0.001 / 0.001
- Exhaust Gas Analysis-% Volume- Car Dioxide In/Out 3.00, Water Vapor In/Out 6.60, Nitrogen In/Out 76, Oxygen In/Out 14.40, Sulfur Dioxide In/Out 0.0

Drum Specs:

- No. 1: Inside Diameter 42", Inside Length 10' 10", Shell Plates SA515/516 GR 70, Thickness .625", Inside Radius 21"
- No. 2: Inside Diameter 30", Inside Length 10' 10", Shell Plates SA515/516 GR 70, Thickness .625", Inside Radius 15"
- No. 1: Longitudinal Joints 1-2 90% Efficiency, Circum. Joints 3-2 Efficiency 90%, Heads SA516 GR 70, Thickness .75, In. and .675, Type 3, Radius of Dish 37.8, Manholes 2 12" x 16"
- No. 2: Longitudinal Joints 1-2 90% Efficiency, Circum. Joints 3-2 Efficiency 90%, Heads SA516 GR 70, Thickness .625, In. and .5625, Type 3, Radius of Dish 27, Manholes 2 12" x 16"
- Boiler Mounted Control Panel with Status Lights and Emergency Stop Button, Various Endress Hauser and ROSEMOUNT Digital Sensing/Sending Units, FISHER Control Valve Actuator, S/N F001129572, Type 667, Body S/N F001129572, Type ET, Stem SST, Body STL, With FISHER FieldVue Digital Pneumatic Positioner. EMERSON FLOWBOSS Controller with SENSOREX TX100 2-Wire Digital Transmitter.
- WARREN CONTROLS INC, MODEL- 313 OVERFLOW TRAP, S/N 136884-1, P/N 031309XXX001.

- LOT# QUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION
 - WILSON ENGINEERING- MODEL- 77UM 16" OD CENTRIFUGAL BLOWDOWN SEPERATOR WITH TRF 4 AFTERCOOLER, AUTO TEMP CONTROL PACKAGE, SILENT EXHAUST HEAD, ASME UM STAMP, Certified by IA Manufacturing LLC. Atlantic, IA. Max. Allowable Working Pressure 50 psig at 297 degrees F, Min. Design Metal Temperature -30 degrees F at 50 psig, S/N 24912B (Mfg. 2016).
 - INCLUDES ALL EXHAUST STACK PIPING INSIDE AND OUTSIDE BUILDING. DOES NOT INCLUDE ANY STEAM AND RELATED PIPING THROUGH WALL TO ETHANOL PLANT.
- NOTE: BUYER RESPONSIBLE FOR REPAIRING ALL WALL AND ROOF PENETRATIONS WHERE EQUIPMENT WAS REMOVED. REPAIR MUST BE WEATHER TIGHT AND MADE WITH MATERIAL OF SIMILAR CONSTRUCTION.
- 5 INDUSTRIAL STEAM JET SPRAY PRESSURIZED DEAERATOR .005 CC/LITER Model- 8JS5 24863A (Mfg. 2016) Counter Flow Tray Design, Guaranteed Removal of All Dissolved Oxygen, Rated Capacity 25,000 lbs./hr., Heater Capacity 50GPM From 60 degrees F to 227 degrees F With 175 psig Minimum Steam Pressure, Makeup Capacity 50GPM at 40 psig Water, Boiler Feed Pump Capacity 41GPM at 494TDH, System Voltage 460 Volts, 3 Phase, 60 Cycle, Receiver Size Tank Diameter x Overall Length 54" x Height 9'- 11", 12" x 16" Manway, System Capacity to Overflow 697Gal. to 12.6Gal. Approx. Overall Dimmensions-108" Height x 119" Length x 66" Wide, Approx. Weight Shipping 3,100 lbs., Operating 8,400 lbs., Approx. Shipping Weight Flooded 11,800 lbs. High Water Alarm Switch, Pressure Control Valve, Make Up Control Valve 3-GRUNDFOS Boiler Feed Pumps 10 hp Electric Motors, S/N 24863A, Model VC 35-12L, No. 85903410, 3,480-3,500RPM with 3-GRUNDFOS Boiler Feed Pumps Model ML132FA-2-215TC-H3, S/N DE 7308BE.2CS, Various Ball/Globe/Gate/Check/Safety Relief Valves, ROSEMOUNT Level Transmitters, SIEMENS SITRANS P Pneumatic Actuator, SIEMENS HVAC Products Model SKB62, Temperature Gauge with Thermowell (50 degrees F to 500 degrees F) HOFFMAN Type 4 NEMA 1 Control Panel P/N 24X24X08.
 - WHEELER TANK Mfg. INC. RECIEVER TANK- N/B 18933, S/N 15556, (Mfg. 2016) ASME UW Stamp, 50psi at MAWP 297 degrees F, -20 degrees F at MDMT 50psi, With Metal Clad Fiberglass Insulation.

LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

- 6 INDUSTRIAL STEAM CONTINUOUS BLOWDOWN HEAT RECOVERY SYSTEM Model- CBHR-25 24912A (Mfg. 2016) Flash Receiver ASME Rated For 50 psig, Internal Design Insures Complete Separation of the Boiler Blowdown Effluent From the Flash Steam. System Output: 25,000 lbs./hr., Overall Length 65 3/8" x Wide 16" x Height 61". Approx. Shipping Weight 700 lbs.
 - NIBCO .5" Sample Valve, KUNKLE 1" Safety Release Valve, HOWE 3" Temp. Gauge, WIKA 2.5" Pressure Gauge, NIBCO 1.5" & 2" Ball Valves, Steam Sight Glass Gauge, ITT Steam Trap. With Metal Clad Fiberglass Insulation.
 - ITT HEAT EXCHANGER- Model WU65-4-3, N/B 264101, ASME U Stamp, S/N 218407-01 (Mfg. 2014) Overall Length 65.375" x 6.626" Wide (Exchanger Body) x 10.250" Height, Material Specs. Front /Rear Head: Cast Iron, Tubesheet: Steel, Shell/Tube Support: Steel, Tubes: Copper 0.750DIA x 20BWG P/N 5-265-06-060-002, Shell Side MAWP 150psi AT 375 degrees F, MDMT -20 degrees at 150psi, Tube Side MAWP 150psi at 375 degrees F, MDMT 020 degrees F at 150psi., Certified by XYLEN.
 - NOTE: END PLATE OF HEAT EXCHANGER SHOWS SIGNS OF FREEZE DAMAGE.
 - Flash Vessel, Heat Exchanger, Level Controller and All Valves Mounted to a Self-Contained Steel Skid.

7 - CRANE COGEN MAIN STEAM HEADER

Consisting of:

- 5- CRANE Rising Stem Cast Steel Valves and Associated Piping and Steel Support Stand,
- 1- CRANE 3", 3-300 WCB, C21597 J35, WCB, C200978,
- 2- CRANE 4", 4-300 NEWAY WGE, WCB, "VENT TO ATMOSPHERE",
- 1- CRANE 6", 300 NEWAY WCB, 5K1560, "STEAM OUTLET TO DROP HEADER",
- 0-300 Degree F Manual Temp Gauge, With all Associated Piping, Fittings and Related Pipes Inside Building. Does Not Include Any Piping Outside of Building.
- 8 INDUSTRIAL STEAM HIGH PRESSURE CONDENSATE RETURN SYSTEM (HPR) Model- 8HPR, S/N 24863B State of Iowa Boiler/Pressure Vessel Registration Number 101643, System Output 24,000 lbs./hr., 175 psig Minimum Steam Pressure, Boiler Feed Pump Capacity 81GPM at 241TDH, Receiver Size Tank Diameter 54" x Overall Length 120" x Height 140", Receiver Storage Capacity 1,124 Gal., Maximum Boiler Load 27,600 lbs./hr., Approx. Weight Shipping 4,065 lbs., Operating 16,800 lbs., Flooded 23,600 lbs.

LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

- High/Low Water Alarm Switch, Pressure Control Valve, Make Up Control Valve, 2-TECO MAX-E1 15 hp Electric Motors, S/N SZP6145026021, 3,525 RPM, 2-MET-PRO Feed Pumps Model RWA2096, 1X1-1/2X8, S/N 198757, Material of Construction 22, IMP DIA. (Inch) 7-3/8, Seal Type 48LP, Max psi 250, Temp 210 degrees F, Max Temp 320 degrees F, 3,500 RPM, Various Ball/Globe/Gate/Check/Safety Relief Valves, Level Transmitters, ASHCROFT 50 to 400 degrees F, ASHCROFT Temperature Gauge with Thermowell, FLOWSERVE D20 Digital Positioner Model D20DNU-S39PVA-Z4XON, S/N 64069 (Mfg. 2015), SIEMENS SITRANS P Pressure Transmitter, CONTROL PANEL TYPE 1, HOFFMAN Model 24x24x08.
- WHEELER TANK MFG. INC. RECEIVER TANK- N/B 18976, S/N 15560, (Mfg. 2016) ASME UW STAMP, 200psi AT MAWP 400 degrees F, -20 degrees F at MDMT 200 psi, 12" x 16" Manway. With Metal Clad Fiberglass Insulation.
- 9 ABB WALL MOUNTED SINGLE VARIABLE FREQUENCY DRIVE
 Model- ACS-880-240A-5, S/N 2173006489 (Mfg. 2017) P/N 132 KW ABB Variable
 Frequency Drive, ACS880 SERIES, / 200 hp, 0.55TO 250KW, Direct Torque Control
 (DTC), High Resolution Control Display Panel with Bluetooth Capability. 3 Phase,
 Frequency 50/60Hz +/-5%, Mains Choke Built In, IP21, UL Type 1, Frame R8, Safe
 Torque Off, Safe Stop 1 Safely Limited Speed, Safe Brake Control, Safe Maximum
 Speed, Safe Stop Emergency, Prevention of Unexpected Startup, Height 11.8" x Width
 11.8" x Depth 15.2" Approx., Weight 154.3 lbs.
- 10 AMERICAN BATTERY CHARGING / HBL POWER SYSTEMS- SINGLE PHASE FLOAT BATTERY CHARGER AND BATTERY BANK Model- ABC12-120-35 S 13834 / KPH50P 13254 1011441. Single Phase, Automatic or High Rate Charge, AC Voltage Compensation, DC Voltage Regulation, Full Current Limit, Filtered DC Output, Reverse Battery Protection, Natural Convection Cooling, Input 240V Output 120V, Input 38A Output 35A, 60HZ DC, Dimensions 40" Tall x 33" Wide x 19" Deep.
 - INTERTEK BATTERY BACK UP 120-BATTERY BANK WITH STAND Consisting of 4 Level Stair Stepped Metal Rack with 120-INTEK NiCad Batteries, Model- KPH50P, P/N 13254, (Mfg. Feb. 2015), 50AH/1.2V, IEC 60623.

LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

PLANT OFFICE

11 – DELL / EATON DELL PRECISION DESK TOP COMPUTERS WITH EATON BACK UP POWER UNITS

Lot of 2- DELL Model- PRECISION TOWER 5810 Service Tag: BOXRRD2 & BOXQRD2 (Mfg. 09-21-2016 Both) With Windows 7 Pro OA.

HOFFMAN PANEL ENCLOSURE- PLC Node 5, Model- 698MS, S/N 1054820-501, Enclosure Type 4, 4X, 17.5" Deep x 24" Wide x 36" Tall, on 30" High Steel Pedestal.

FLUKE HYDRAULIC TEST TOOLS IN CASE-

Models-700HTH-1 Hydraulic Test Hose & 700PTP-1 Pneumatic Test Pump, Includes Pump, Hoses, Gauges.

SAMSUNG COLOR DIGITAL CCTV 10 CAMERA SYSTEM WITH 2TB OF RECORDING

Model- SDR-C75300N / SDC-9441BCN ZC1T6V2H6001PMW SAMSUNG Digital Video Recorder Model SDR-C75300N; 10-SAMSUNG Full HD Digital Color Cameras Model SDC-9441BCN; ACER LED 20" Approx. Monitor & Keyboard.

VTECH Cordless Phone.

OFFICE FURNITURE & EQUIPMENT

2- Drawer Filing Cabinet, 2- Drawer Lateral Filing Cabinet, Corner Desk with 4- Drawers, Desk With 4- Drawers, Desk Chair, 2- Folding Chairs.

AVANTI MINI-REFRIGERATOR

2- Shelves, Freezer Compartment, Storage in Door.

COFFEE POT, PORTABLE COOLER.

SHINCO PORTABLE A/C UNIT.

12 – KAESER / GAS DRYING INC. / STEEL FAB / 111CFM ROTARY SCREW COMPRESSOR WITH DRYER AND AIR RECEIVER TANK

Model- AS 20 / 6/EV S/N 1721 / 6259 KAESER ROTARY SCREW COMPRESSOR-AS Series, High Efficiency Cooler with Filter Mat, TEFC Electric Motor Class F, Tri-Voltage 60HZ, 3-Stage Separator, 2-Stage Coalescing Filter, Ribbed Single Belt Drive, Radial Cooling Fan, SIGMA Control System, Heavy Duty Metal Powder Coated Type 1 Enclosure, S/N 1721, P/N 10090.00001, psig 125, CFM 111, Voltage 208Y / 120V 230Y / 133V / 460Y / 266V, 3 Phase, Package FLA 73/68/33, Hz 60, Drive Motor FLA 63/59/28, RPM 3560, hp 25.0, Wiring Diagram SASK.B-U2013.03, Service Equipment Number 4026814, Option K1, Made in Germany, Factory Identification CO.

2-KAESER Cartridge Type In-Line Filters, with Visual Red/Yellow/Green Pressure Indicator Windows.

LOT# QUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

- GAS DRYING INC. HEATLESS DESICCANT AIR DRYER- 100 SCFM Gas Drying Inc. (GDI) Heatless (Pressure Swing) Desiccant Air Dryer, Model 6/EV, Rated 100 SCFM @ 120 to 150 psig, Center Mounted Control Panel, ON/OFF Toggle, ALARM SILENCE Button, Two Tank System, Certified by Gas Drying Inc., UM W STAMP, Tank A Rated MAX AWP 165 psig at 200 degrees F, Min DMT -20 Degree F at 165 psig, S/N 6259A, (Mfg. 2001) UM W STAMP, Tank B rated MAX. AWP 165 psig at 200 degrees F, MIN. DMT -20 degrees F at 165 psig, S/N 6259B, (Mfg. 2001), Steel Skid Mounted- 37" Length x 22" Width x 89" High.
- STEELFAB 240 GALLON VERTICAL AIR TANK RATED FOR 200psi WITH SKIRT- N/B 478135, (Mfg. 2007) W STAMP, MAWP 200psi at 400 degrees F, MDMT -20 degrees F at 200psi, approx. Weight 800 lbs.
- 13 GE 300KVA, 60HZ 3PH. TYPE QL TRANSFORMER

 Model- 9T23L1578 S/N K 150013 GENERAL ELECTRIC NEMA Class AA Dry Type
 Transformer, Primary (H) 400 Volts, Secondary (X) 200 Volts, 120 Volts Line Neutral,
 Enclosure Type 2 3/60/120/208/480V, 1475A387RAG011, 2475A387RAG011.
- 14 TECO / WESTINGHOUSE NEW 75HP MAX-E1 ELECTRIC MOTOR IN CRATE Model- EP0758 S/N AEHH-8NI0 Catalog Number EP0758, Premium Efficiency Severe Duty Motor, Type AEHH8N, Frame 444T, Poles 8, Phase 3, INS F, Enclosure Type TEFC, HP 75, Hertz 60, Volts 230-460, SYN. RPM 900.
- 15 RELIANCE ELECTRIC 40/50HP DUTY MASTER XE ELECTRIC MOTOR Model- B434829 S/N B434829 RELIANCE ELECTRIC USED 40HP/30HZ / 50HP/60HZ DUTY MASTER XE ENERGY EFFICIENT ELECTRIC MOTOR- S/N B434829-010, Model B434829, Type P, HP 40/Hertz 30/53.9Amps, 50HP/60HZ/63Amps, Volts 460, RPM 890, Variable Torque, Duty Cont., Enclosure Type TEFC, Insulation Class B.
- 16 SIEMENS 150HP XP 100 EXPLOSION PROOF ELECTRIC MOTOR Model- 4MG2426489212AG3 02-A461860XPE 1, Type XP100, HP 150, Hertz 60, Amps 170, Volts 460, RPM 1785, Duty, Enclosure Type TEFC, NEMA, Efficiency 95.8% Nom., Insulation Class F, Continuous Duty, Weight 1,896 lbs., NOTE- DRIVE SHAFT IS REPORTED TO BE BROKEN.
- 17 LOT OF 15- SPOOLS GENERAL CABLE / PREFERRED LIGHTNING PROTECTION VARIOUS SPOOLS/REELS OF ELECTRIC CONTROL WIRE / POWER CABLE / LIGHTNING PROTECTION WIRE

 15 Approx. Total Spools, Part Number 4A-1810, 18-10C Type SOOW Black Jacket, 600V 90C UL/CSA/MSHA/ROHS, (Mfg. 10/12/2017), 4- Rolls Including 500' UL Lightning Protection Cable UL Listed 60A3, 20KZ75, WXP-C0456A.41.10-100, Red/White/Green Rolls Communication Wire Various Gauges and Conductor Counts, Some New Some Partial Rolls.

LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

18 – VIKING / FLUITEK / SQUARE D / FERRAZ SHAWMUT / CHEMLINE / RAYCHEM PALLET RACK SHELVING UNIT WITH CONTENTS

One Section Pallet Rack Shelving, Approx. Width 10' x Height 9' x 4' Deep, Contents of Top Two Shelves / 4 Pallets Consisting of but not necessarily limited to: New/Used Spare VIKING Pump Parts, Motor / Gauge Housings Parts, Various FLUITEK Filters P-3006-10B61, 120004-2, Lighting Protection Components, Floor Items- Various Lightning Protection UL Rated Bases / Splicers / U-Bolt Connector Clamps / Bi-Mitalic Splicers, 10- Tubes of CHEMLINE M-1 Structural Adhesive/Sealant, Brackets 200- A712, 20-A309, 4- A41219, 60- A704 and others; DET-TRONICS Eagle Quantum Premier System, M/N EQ390ONDE000010DW; FERRAZ SHAWMUT Fuse Block, Model 64033J, 600V-400A 3 Pole 200,000 AMP RMS System Rating For Use with Class J Fuses. 2- Boxes of 3- RAYCHEM HVT-Z-152-G 15 KV 1/C Indoor Termination Kits. SQUARE D Safety Switch.

19 - LOT OF 9 MODINE / TRANE HEATERS

Consisting of but not necessarily limited to:

- 4- MODINE GAS FIRED HIGH INTENSITY INFRARED CERAMIC HEATER UNITS- Model- MT66004, S/N 101S2011739 For Use with Natural Gas; 67,000 BTU/HR.
- 5- TRANE UNIT HEATERS

Model- GPND017ADF1000 C01E81946 For use with Natural Gas; Fan Driven, 175,000 BTU/HR.

20 - MISCELLANEOUS ITEMS IN CRATE

Consisting of but not necessarily limited to: Misc. Electrical Items Including Hazardous Area Light Fixture, Electrical Extension Cords and Other Related Items.

21 – LOT OF 8- ABB STROMBERG MEDIUM VOLTAGE INDOOR VOLTAGE TRANSFORMERS

Model- KOFA 12F3, S/N 1133SF001/1 Consisting of 1-Pallet ABB STROMBERG Medium Voltage Indoor Transformers Designed for Insulation Voltages up to 12KV.

22 – ATLAS-COPCO AIR COMPRESSOR

Model- AIRLET LT5 AML 1800 Max Speed RPM.

TEGLEN-AIRDRAULICS AIR COMPRESSOR WITH AIR RECEIVER TANK TC86??877 72682277 (Mfg. 7/82) Co. No. CG-005.

TOSHIBA 3-PHASE 2 HP ELECTRIC INDUCTION MOTOR

Type IK, Model B0024FHC2A1 S/N 1043JG60 Model Number B0024FHC2A1, Frame 145TC, 2 hp, 3 Poles, Class B; 60 Hz, 230/460 Volts, 1725 RPM, 6.0/3.0 AMPS.

LOT# OUANTITY MANUFACTURER MODEL SERIAL NUMBER DESCRIPTION

23 – MISCELLANEOUS WORKSHOP ITEMS

Consisting of but not necessarily limited to: 2- RUBBERMAID Roughneck Rolling Garbage Cans, 2-RUBBERMAID BRUTE Plastic Garbage Cans, 1-BEHRENS Metal Garbage Can, 2- 25 lb. Bags Oil-Dri Premium Absorbent, Grain Shovel, Squeegee, Ice Chipper, Broom, 2- Dust Pans, Mop & Bucket, Box with Roll of Oil Absorbent Mats/Booms, 2- 4 Shelf Storage Units with Contents of Cleaning Supplies, GASCO Precision Gas Mixture Unit with Other Misc. Gas Items, Box of Replacement Operator Switches, 4-Steel U Brackets, SIEMENS SKD2UA 24 Volt Valve Actuator, .5" PVC fittings, 6-FEDERAL SIGNAL CORP LP7 Continuous Amber/White Horn/Strobe, Model- StreamLine 3WU56, ABB FDIO-01 Digital I/O Extension Module, 6-MERSEN New HS Fuses, Class J, 600Volts, 350Amps, 1-Box GRAINGER 1CKC8 Ball Valves, Misc. Water Hoses.

- 24 MILWAUKEE HAND TRUCKS / KELLER PALLET JACK, LADDER & DOLLY KELLER Model- KPRO PD974 4' Type IA Heavy Duty Fiberglass Podium Ladder Max. Reach Height 10', MILWAUKEE HAND TRUCK Model 49480 QUICK Latch Convertible Heavy Duty Steel Hand Truck 51" High x 21" Wide x 18" Deep, Weight 42 lbs., Pallet Jack 5,500 lbs. Estimated Capacity, 27" x 48" No Manufacturers Data Plate Visible, NOTE: INOPERABLE- CYLINDER WILL NOT RAISE.
- 25 LIANYUNGANG ASIA CONTAINER CO. LTD. 20' SHIPPING CONTAINER WITH CONTENTS

Model- LACI 1030007 (Mfg. 8/2003) Approved For Transport Customs Seal GB / C4910BV / 2002, Type SACI-ICC-07-A, CSC Safety Approval F / Bv / 8068 / 02, 67,200KG Max Gross Wt. ID # CAXU 651679-1, 1,170 Cu. Ft. Capacity with Contents to include but not necessarily limited to: Barrel Moving Dolly, Work Bench, Air Hose, Misc. Shop Items.