

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT
NO.

DESCRIPTION

SPRAY DRYER SYSTEM

NIRO SPRAY DRY SYSTEM, 304 Stainless Steel, Sanitary Interior, 17' 6" diameter x 19' 6" (Straight Wall) height, plus 13' 6" Cone height, 32" wide x 72" high Maintenance Access Door, 3 - Sight Glasses, 3 - Fire Nozzles, Insulated and Jacketed with Stainless Steel Covering, consisting of but not limited to:

NIRO Model F 35 LVOR SWP ST Atomizer, s/n 1871, powered by RELIANCE 30 hp Electric Motor, with NIRO AM 8 Atomizer Wheel, Wheel Water Protection, Oil Pump.

NIRO Atomizer Electrical Control Panel, Carbon Steel, 30"x 20"x 84" high, with MAGNEHELIC Pressure Gauge, NULLMATIC Controller, 2 - BARBER COLEMAN Model 560 Indicators, BECKMAN INDUSTRIAL 60 Series Digital Read-Out, Miscellaneous Switches and Indicator Lights. FAIRBANKS-MORSE Model H90-5150 Stainless Steel Digital Scales Read-Out Unit, s/n H-322158. (20,396 indicated hours of operation.)

NIRO 6.43 MMBTU/HR Forced Air, Up-Draft, Natural Gas Fired Heater, Stainless Steel, 50"x 55"x 62" Overall Dimensions, Insulated and Vinyl Jacketed, with:

- MAXON Type NP III, Size 224 Burner
- 2 - MAXON Model 8081 Shut-Off Valves
- 2 - MERCOID Control Valves
- 1 - MAXON Type 2 - M Pressure Regulator
- 1 - FISHER Pressure Regulator
- 1 - ROCKWELL Pressure Regulator
- 1 - ROMET LTD. cu ft Read-Out Indicator

NIRO No. C-3404-A Filter Outlet Transition, Stainless Steel, 24" high, with 50"x 72"x 22" Stainless Steel Chamber.

NIRO Burner Control Panel, 22"x 24"x 10" deep, Carbon Steel, with FIREEYE Type ED 510 Display Module.

ACCO WRIGHT Electric Hoist for the Primary Collector, 1 ½ ton Capacity, Single Spool Hoist Drum, 1 ½ ton Capacity Single Sheave Hook/Block, ACCO WRIGHT 'Wright Way' Single Wheel Hoist Power Travel Unit, Pendant Controls.

BUDGET Electric Chain Hoist, ½ ton Capacity, with 20' (estimated) Lift, Pendant Controls.

NEW YORK BLOWER COMPANY Exhaust Air Fan, Series 20 GI

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Centrifugal Fan, Size 454, Shop No. C-4841-110, Carbon Steel, 1800 rpm, 14,800 cfm 17.41 “ H2O @ 1269 rpm, Pedestal Mounted, powered by LINCOLN 75 hp Electric Motor, Fully Enclosed Belt Drive Guard with Over-Center Maintenance Cover Latches.

With:

26" diameter x 80" long, Stainless Steel Inlet Ducting, Flanged Connections, 20" diameter Sealed Inspection/Maintenance Hatch, 2 - Pressure / Temperature Probes, Insulated and Jacketed. 20"x 28" Stainless Steel, Multi-Louvered Damper with JONES ENGINEERING Temperature / Pressure Controller having a RAYMOND RCS Actuator.

NIRO No. C-3426-A Stainless Steel, Exhaust Fan-to-Stack Transition, Stainless Steel Exhaust Stack, 32" diameter x 25' Tall (estimated) with Rain Cap, bottom ½ is Insulated and Jacketed, with Base Mounting Flange.

NIRO Product Separator Cyclone, Stainless Steel, 8' diameter x 6' high Side Wall with 20' high Cone Bottom, with 10 - CIP Solenoids, Manifold and Piping, 3 - Bin Vibrators, Air Actuated, ROTOLOK Size 12" RVCS 501 Rotary Air Lock, Equipment No. 31581 powered by Electric Motor.

Exhaust Ducting, Stainless Steel, 30" diameter x 4' long with 20" diameter Maintenance Hatch, 3 - Thermocouples.

Primary Collector-to-Bag Filter Ducting, Stainless Steel, Insulated, 30" diameter x 30' long, with 2 - 90 degree Long Sweep Ells,

STRAHMAN Utility Manifold, Stainless Steel, Model M-5000, Steam and Water, 150 psi, with 125' (estimated) of GOODYEAR 3/4" diameter, 300 psi Steam Hose.

LADISH 3" Ball Valve, Stainless Steel, Part No. 4308-0707-30A, with Teflon Seals and Seats, 250 psi @ 100 F, 100 psi @ 200 F, having a 8" diameter x 6 ½" high, Open Top Hopper, Stainless Steel, with Sanitary Fittings.

MIKROPUL CORPORATION BAG-HOUSE / DUST COLLECTOR, Stainless Steel, Model 177-12-20 TRH C, 12' diameter x 15' high Straight Wall with 8' high Conical Bottom, Flat Top, having 177 - 6" diameter x 12' long Polyester Bags, 36"x 36" Stainless Steel Inspection / Maintenance Hatch, 3 - Fire Nozzles, 2 - ENDRESS HAUSER Shell and Tube Stainless Steel Heat Exchangers, ANHYDRO Model C-1438 Rotary Air Lock, 8"x 8", Stainless Steel, powered by .5 hp Electric Motor, CORONA SONIC HORN Air Blaster, Stainless Steel, 3 ½" diameter x 2' long, Rappers.

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NEW YORK BLOWER COMPANY Furnace Combustion Intake Air Supply Fan, Series 20 GI Centrifugal Fan, Size 634, Shop No. 4841-100, 10,700 cfm 7.87" H₂O @ 1176 rpm, Carbon Steel, Pedestal Mount, powered by LINCOLN 40 hp, 1800 rpm Electric Motor, mounted on Steel Frame.

CIP Heat Exchanger Tank, Vertical, Carbon Steel, 4' diameter x 12' high, 1,000 gallon Capacity, Steam Jacketed and Insulated on Bottom ½ of the Tank, mounted on 4" Angle Iron Steel Legs.

FRISTAM Model FPX 7419-68-204 Centrifugal Pump, Stainless Steel, 8" diameter Impeller, powered by BALDOR 7.5 hp Electric Motor, 2" VC 702-14Y, ANDERSON Pressure Gauge, LADISH 3" Stainless Steel Ball Valve.

PALL Shell and Tube Heat Exchanger, Carbon Steel, 10'x 6', 150 psig @ 450 F, Nat. Bd. No. 10052, PPPC s/n 871590 (1987) with 8" Flanged Gate Valve and Piping.

PRECISION STAINLESS Fire Suppression System Water Tank, 4000 gallon Capacity, 316 L Stainless Steel, s/n 8108-6 (1987), Flat Top and Bottom, 16"x 20" Inspection / Maintenance Hatch Positioned at Bottom, Atmos @ 190 F, mounted on 6" diameter Pipe Legs.

NOTE: The Tank Has Been Crushed Inward at the Top, Approximately 2/3 Up from the Bottom.

2 ½" Fire Pump powered by BALDOR 7 ½ hp Electric Motor, SQUARE D Well-Guard Class 8940, Electrical Control Panel.

HOFFMAN Model T2B04 Central Vacuum Pump, s/n GT 456???, powered by BALDOR 15 hp Electric Motor. With:
HOFFMAN 36" diameter x 60" high Vertical, Carbon Steel

Tank, No. TV 152-S1, s/n GT 5643.
Both units are
Unitized
and Mounted on s
Steel Tubing Frame.

DONALDSON TORIT Model TD 466 Dust Collector, s/n 227631, 28"x 28"x 68", with 3 hp Electric Motor.

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DESCRIPTION

- STONE CONTAINER Model 6 987 Auger Flow Packer, s/n 92987010,
Stainless Steel, Portable, mounted on Carbon Steel Frame.
With:
FAIRBANKS-MORSE Check Weight Scales, 21"x 15"x 78"
high Stainless Steel, Vertical In-Feed Bin
- TRI-CLOVER CLEAN-IN-PLACE SYSTEM, Model 48-2434, Drawing
No. 91-1213 consisting of but not limited to:
2 - Stainless Steel Mixing Tanks, 38" diameter x 48" high, Flat
Bottoms and Tops, Top Cover with Hinged Inspection Segment,
each with 3 - Fluid Level Sensor Probes.
2 - IMPERIAL CROWNE Inlet Valves
6 - TRI-FLOW Model 361 TR-21M-20-3-316 Stainless Steel Pumps
1 - FRISTAM Centrifugal Pump, Stainless Steel, powered by
BALDOR 15 hp Electric Motor.
1 - BELL & GOSSETT Shell and Tube Heat Exchanger, Model
3-087-6-10-112-0192X85598-01, 150 psig WP @ 375 F,
12" diameter x 28" long, Insulated.
1 - Electrical Control Panel, Stainless Steel, 38" wide x 50" high,
with HONEYWELL Truline No. 30755317 12" Polar Graph
Recorder, 4 - GREAT LAKES INSTRUMENTS Model
670 Digital Electroless Conductivity Sensor / Concentra-
tion Analyzer, ALLEN BRADLEY Model DL 30 Digital
Read-Out, YOKOGAWA Strip Recorder, Multi-Station,
Rotary Switches, Miscellaneous Toggle Switches and
Indicator Lights
1 - TRI-CLOVER Model 48-2434 Stainless Steel Electrical Control
Panel, P.O. 01-8475-01-P40-0055, 30"x 30"
- 1 - CIP UTILITY CONNECTION PANEL, Wall Mounted, Stainless
Steel, containing but not necessarily limited to:
1 - 15"x 11" Manifold with 4 - 2" Outlets with Sanitary
Connections.
1 - 12"x 8" Manifold with 4 - 1 1/4" Outlets with Sanitary
Connection.
2 - ANDERSON Type 37-00 Pressure Gauges.
Mounted in a 2" Angle Iron Carbon Steel Frame.
- GORMAN RUPP Series 80 SELF PRIMING CENTRIFUGAL PUMP,
Model 82H2-B, 8", powered by SEIMENS 2 hp Electric Motor,
Mounted on Base.

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NIRO ATOMIZER, Stainless Steel, 18" diameter x 20" Straight Wall Height with 32" high Cone, 5 3/4" Flanged Inlet Opening, Discharge Nozzle Equipped with Agitator powered by RELIANCE ½ hp Electric Motor with Reduction Gearbox. Mounted in 48"x 42"x 78" high Skeleton Steel Framework, Constructed of 4" Angle Iron. The Top is Equipped with a 65"x 84" Work Platform having Bar Grating Deck.

NOTE: THIS UNIT IS LOCATED IN THE OUTSIDE EQUIPMENT YARD.

MIXING TANK, Stainless Steel, 8' diameter x 4' high Straight Wall, 3' high Domed Bottom, Steam Jacketed, Flat Top Cover, with: Agitator powered by DELCO 7.5 hp Electric Motor, with Stainless Steel Shaft, 84" long with 20" diameter, 3 - Blade Impeller.
4 - Load Cells

WAUKESHA Size 30 Stainless Steel Pump, s/n 19540, with Size 49 Gearbox, powered by TOSHIBA 3 hp Electric Motor, Skidded.

Manifold, Stainless Steel, consisting of but not limited to:

- 1 - MULLEN Model 692 SHH, Size 2, Duplex, Stainless Steel
- 3 - LADISH 1 ½" CFSM Stainless Steel Ball Valves
- 3 - ANDERSON Pressure Gauges
- 1 - 4" 90 degree Ell with Flanged Fittings
- 1 - 4" to 1 1/4" Reducing Cone
- 1 - 4 ½" diameter x 60" long Shell and Tube Heat Exchanger with GORDON Thermocouple

NIRO TELECOPYING CLEANING BRIDGE, # C 3410-H, Aluminum

VERTICAL STORAGE TANK, Stainless Steel, 20,000 gallons Capacity, 11'6" diameter x 26' high, Atmospheric design @ 150 F, Epoxy Coated, 8' high Skirt, with 60"x 52" Vent Filter Enclosure with Fan.

CLARK WAREHOUSE FORKLIFT, Model ECS-20 Type E, s/n En357-0161-8970 (1993), 2,800 lbs. Capacity, Mast is Equipped with Forks Rotation Attachment, Operators ROPS Canopy, Solid Rubber Tires.

ELECTRO NETWORKS MOTIVE POWER BATTERY CHARGER, Model 1275725M53, 36 vdc.

COTTERMAN COMPANY PORTABLE, SAFETY STEP LADDER, 6' high, 350 lbs. Capacity.

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FIBERGLASS WHEELBARROW

POWER PORT PRODUCTS HOSE REEL, Manually Retracted, Wall Mounted, with 75' (est.) of Air Hose.

BRADLEY EMERGENCY SAFETY STATION, with Eye Wash Basin and Shower Head.

9 - METAL PRODUCTS TOOL / PARTS CABINETS with Contents.

ELECTRICAL MCC EQUIPMENT

ALLEN BRADLEY CENTERLINE BULLETIN 2100 MOTOR CONTROL CENTER, 7 - Sections, 800 amps Horizontal, 300 amps Vertical, 140" long x 90" high x 15" deep Overall Dimensions.

3 - Sections with 6 - Modules = Sections 3, 4 and 5

1 - Section with 5 - Modules = Section 2

1 - Section with 4 - Modules = Section

1 - Section with 3 - Modules = Section 6

NOTE: All Modules are Equipped with NEMA No. 1 Starters

1 - Section = Section 7 is Equipped with 1 - 75 kva and 1 - 25 kva Dry Type Transformers.

ALLEN BRADLEY CENTERLINE BULLETIN 2100 MOTOR CONTROL CENTER, 4 - Sections, 800 amps Horizontal, 300 amps Vertical, 60" long x 90" high x 15" deep Overall Dimensions.

1 - Section with 5 - Modules = Section 2

NOTE: Is Equipped with 5 - NEMA No. 1 Starters.

1 - Section with 2 - Modules = Section 3

NOTE: Is Equipped with 1 - NEMA No. 4 and 1 - NEMA No. 3 Starters.

ALLEN BRADLEY ELECTRICAL CONTROL CABINET, Carbon Steel, 36" wide x 72" high x 12" deep containing but not necessarily limited to Adjustable Frequency AC Motor Drive.

PLANT SUPPORT EQUIPMENT

OVERHEAD DOOR COMPANY METAL, BARREL TYPE, OVERHEAD DOOR, 12' wide x 12' high, Power Open/Close by Electric Motor.

OVERHEAD DOOR COMPANY METAL, BARREL TYPE, OVERHEAD DOOR, 8' wide x 9' high, Power Open/Close by Electric Motor.

OVERHEAD DOOR COMPANY METAL, SECTIONAL, OVERHEAD

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DOOR, Garage Type, 7'6"wide x 7'6" high, Manual Operation.

4 - PHOENIX TRUCKING LOADING DOCK LIGHT, Cantilevered,
Model DL-60-ARM, Incandescent, Hinged.

OFFICE FURNITURE, FIXTURES and EQUIPMENT

LUCENT TECHNOLOGIES PARTNER ADVANCED Telephone
Communication System with 5 - Telephones.

4 - HON LATERAL FILE CABINETS, 2 - Drawer,

5 - HON VERTICAL FILE CABINETS, 4 - Drawer

4 - HON VERTICAL FILE CABINETS, 3 - Drawer

1 - 2 - DRAWER LEGAL, FIRE PROOF VERTICAL FILE CABINET

1 - VERTICAL, HANGING BLUE PRINT FILE, PORTABLE
EXECUTIVE DOUBLE PEDESTAL DESK, Wood

HON 30"X 60" DESK with L - Return

HON OFFICE DESK with Overhead

HON OFFICE DESK, 2 - Drawer

HON U- SHAPED OFFICE DESK with Matching Credenza
2 - ARM CHAIRS, Upholstered

4 - OFFICE CHAIRS, SWIVEL, Upholstered

BOOKCASE, Wood, 5 - Shelf

WHIRLPOOL REFRIGERATOR / FREEZER, 14 cf Capacity

AMANA MICROWAVE OVEN

LABORATORY EQUIPMENT

EPPENDORF-NETHELER-HINZ GmbH Model 5804 Centrifuge, s/n 00581,
with A-4-44 4 - Arm Hub.

LAB-LINE INSTRUMENTS, INC. Model 1304 Lab Rotator, s/n 1098-0144

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E-C APPARATUS CORPORATION Model EC 250-90 Power Supply,
s/n 8H330381-1-A, 250 vac max., 500 m amps.

HACH COMPANY Model DR / 4000 U Spectrophotometer, Part No. 48000-60,
s/n 9901U0001373.

HACH COMPANY Model 15 E Culture Incubator, Part No. 9120555,
s/n 0201895

VWR SCIENTIFIC PRODUCTS Model MV-1 Mini Vortexer, s/n 03.021872,
200 - 2500 rpm.

HACH COMPANY Digital Digesdahl Electric Furnace, Part No. 44336-20,
s/n 961100003833, 217 va Input.

METTLER TOLEDO Model PR 2003 DR Scales, s/n 1165511066

BARNSTEAD / THERMOLYNE Model SP 46295 Stirrer/Heater, 1118 watts,
s/n 1069971146309, with 30" high Column.

T - LINE Model 102 Laboratory Stirrer, AC/DC, 500 to 7500 rpm with
Timer.

VWR SCIENTIFIC Temp Cycle Water Bath, -20 to 100 degrees C.

ISCO Supercritical Fluid Extractor with:
Model SFX 220 Controller, s/n 195426
Model 260D Syringe Pump, s/n 207853
2 - Channel Restrictor Temperature Controller, s/.n 208159

DENVER INSTRUMENTS COMPANY Model TD 603 D Zeroing,
Laboratory Scales, s/n T0116506, Max. 1 - 110 grams, Max. 2 -
610 grams.

METTLER TOLEDO Model LJ16J Moisture Analyzer, with Digital
Scales, s/n 1117300415 and integral
Model PJ300MB Analyzer Unit, s/n 1117300415.

PRECISION SCIENTIFIC Model 1025 Econatherm Laboratory Oven,
Cat. No. 51220126, s/n 698110080, + 65 C to 210 C, Electric.

YAMATO Model LR 400 A Digital Lab Stirrer, s/n 988019 mounted on
YAMATO C Base Stand with Column, 2' high (approx).

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THERMOLYNE Model F 6020 - 240 Ashing Muffle Furnace, s/n
1060970708506, with 8 - Segment Programmable Controller

BLUE M Model 200 A Electric Furnace, s/n ZA-2585, 30 C to 65 C,
225 max. watts.

YAMATO SCIENTIFIC Model SM 510 Sterilizer, Top Loading, Portable,
HiTEC IV CR Controller.

TRI COLUMN STAND, 30" high (approx.) with Base

Lot - Miscellaneous Supplies, Fittings, Hoses, Glass, etc.

REFRIGERATION SYSTEM

2 VILTER AMMONIA COMPRESSOR, Model VMC 450 XL, 150 hp, Size
A12K458XLB, s/n 65700, 8 - Cylinder, High Side Pressure of 525 psi,

ACCURACY OF DESCRIPTION NOT GUARANTEED

MAAS COMPANIES INC

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- Low Side Pressure of 375 psi, powered by LINCOLN Model
SD4P150T64Y, 1785 rpm, 460 vac Electric Motor, s/n U3980104496.
- 3 VILTER AMMONIA COMPRESSOR, Model VMC 450 SL, 150 hp, Size
A12K458XLB, s/n 65701, 8 - Cylinder, High Side Pressure of 525 psi,
Low Side Pressure of 375 psi, powered by LINCOLN Model
SD4P150T64Y, 1785 rpm, 460 vac Electric Motor, s/n U3980104498.
- 4 VILTER SHELL and TUBE HEAT EXCHANGER, Ammonia to D'Limenene,
Nat. Bd. No. 43443, s/n H71326-1 (mfgr'd 1997), Shell MAWP - 250
psig @ 200 F, MDWT - 20 F @ 250 psig, Tube MAWP 75 psig @ 250
psig, Tube MDWT - 20 F @ 75 psig, 750 gpm @ 13 F eft, 0 F lft.,
Insulated and Jacketed. There are 2 - Vertically Stacked, Horizontal
Units - the Bottom one is 3' diameter x 18'2" long Overall, the Top is
3' diameter x 149" long.
- 5 RENO TECHNOLOGIES D'LEMENENE REFRIGERATION CIRCULATION
SYSTEM, 750 gpm,
With 5' diameter x 6' high Insulated Storage Vessel constructed from
304 Stainless Steel, Flat Top and Bottom, 2 - DURCO Size 2K6X4-
10H/100 Centrifugal Pumps, Stainless Steel, s/n 370651 and N/A,
each Powered by BALDOR 25 hp Electric Motors, FABRI-VALVE
Figure C37S304 6" Stainless Steel Gate Valve, s/n 8494601 with Stain-
less Steel Flex-Joint, 9" diameter x 20" high Stainless Steel Strainer,
number 150 10 A182 F 304L B16 C9769, 1 ½" Gear Type Pump
powered by BALDOR ½ hp Electric Motor with Drives and Header
Assemblies. Unitized and Skid Mounted as a Single Package on a 70"
wide x 185" long Steel Frame constructed form 4" Square Tubing.
- 6 WENDLAND CARBON DIOXIDE STORAGE TANK, Horizontal, Carbon
Steel, 7,262 water gallons Capacity, 72" od x 426" long, s/n 20621(1980),
Domed on Both Ends, Shell Thickness - .750", Head Thickness - .7214"
350 psi max. Temperature 650 F, Insulated and Jacketed with Fiberglass,
Mounted on 9" diameter x 16" high Steel Pipe Legs with 2 - 12" H -
Beam Skids, 25' long. 28,900 lbs. Weight.
TECHNICAL SYSTEMS, INC. Model 05CSS, 30 ton Capacity
R 502 Compressor, s/n 733?41, powered by 5 hp Electric Motor.
EXI Model PBU 4400 - 15 - .5 Flow Controller, CO2, rated at 375
lbs./hr SCFM, s/n 800708.
- 7 DOYLE & ROTH SHELL and TUBE HEAT EXCHANGER, Stainless Steel,
10" diameter x 123" long, Nat. Bd. No. 8181, mftr's s/n J 8719 (1998),
MAWP - 75 psig, MDMT - 350 psig @ -20 F.
- 8 LOT - D'LEMENENE CIRCULATION PIPING, 4" od Stainless Steel, 250

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linear feet (est.), Insulated and Jacketed. NOTE: Is currently Installed
in the Plant.

DIGEST PROCESS EQUIPMENT

- 9 CHERRY BURRELL VOTATOR®, SCRAPED SURFACE, SHELL and TUBE
HEAT EXCHANGER, Stainless Steel, 10" od (of Insulation Jacket)
6" diameter x 72" long, Inner Shell - Max. WP - 400 psig @ 375 F,
Jacket Max. WP - 150 psig @ 375 F, each is powered by RELIANCE
7.5 hp Electric Motor having Reduction Gearbox. 6 - LADISH 1"
Stainless Steel Ball Valves with Sanitary Fittings.

Nat. Bd. No.	4404	Mfgr's S/N	A 2821	(1974)
	4405		A 2822	
	4417		A 2834	
	4415		A 2832	
	4416		A 2833	
	4418		A 2835	

Mounted in a Dual Deck, Steel Frame, 112" long x 72" high x 56" wide
constructed from 3" Square Carbon Tubing.

- 11 FRISTAM PUMP, Model FZX-150, Stainless Steel, s/n FZX 150972814,
powered by 7.5 hp Electric Motor, 230/460 volts, Direct Coupled with
Stainless Steel Mounting Base.
- 12 FRISTAM PUMP, Model FZX-150, Stainless Steel, s/n FZX 1509815,
powered by 7.5 hp Electric Motor, 230/460 volts, Direct Coupled
with Stainless Steel Mounting Base.
- 13 ABLE-HOWE JIB CRANE, 1.5 tons capacity, s/n 72962-1, 8' Boom Height,
8' Jib Length, with Trolley.
- 14 MIXING VESSEL, 500 gallon, Stainless Steel, Steam Jacketed, Round
Bottom, 58" diameter x 12" high Straight Wall, 29" deep Domed
Bottom, Top Cover, with 3" id Flanged Stainless Steel Bottom
Discharge Fitting. Mounted on Legs.
Agitator. With:
VIKING Gear Type Pump, 1", powered by LINCOLN 10 hp Electric
Motor, Mounted on Base.
- 15 NEW YORK BLOWER COMPANY CENTRIFUGAL PRESSURE
BLOWER, Model W 5121 - 100, Size 18P5, Carbon Steel, powered
by US ELECTRICAL MOTORS 5 hp Electric Motor, Carbon Steel
Base and Frame
- 16 NIRO PILOT PLANT SPRAY DRYER, Stainless Steel, 50" diameter x

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DESCRIPTION

- 38" high Straight Wall with 30" high Cone Bottom, No. 6610, s/n N/A, 12" diameter x 34" high Stainless Steel Atomizer Cyclone, Atomizer Electric Motor, 14" diameter Cast Iron Natural Gas Burner with 3 - Burner Venturi Units, Bottom Cone Discharge is fitted with an Auger powered by Electric Motor, Controls, mounted in a Dual Carbon Steel Frame Assembly constructed of Square Tubing and Round Pipe.
- 20 POWER PORT PRODUCTS HOSE AND REEL ASSEMBLY, Wall Mounted, Manually Retracted with 75' (est.) of Hose.
- 21 ZERO MAX CHEMICAL FEED PUMP, Model JKI CCW 25, 0 - 400, with BALDWIN .17 hp Electric Motor Drive, Manual Stroke Control.
- 22 WEIGH-TRONIX, NCI DIVISION ELECTRONIC SCALES, Model BS-2424-A, s/n 5911587, 210 lbs. Capacity, .5 lbs. Graduations, kg and lbs. Read Out, 24"x 24" Platform, Stainless Steel Weighing Base and Assembly.
- 23 DEC SANI-MATIC CLEAN-IN-PLACE SYSTEM, with 3 - 3' diameter x 4' high Stainless Steel Mixing Tanks, 6 - STAINLESS STEEL PRODUCTS Model SP160-7-21/2-2 , Air Actuated Stainless Steel Valves, FRISTAM Model FPX 3522963884 Stainless Steel Pump powered by BALDOR 7.5 hp Electric Motor, ENERQUIP Stainless Steel Heat Exchanger, 6" diameter x 4' long, Nat. Bd. No. 1362, s/n 2426 (1996), Unitized.
Control Panel having ALLEN BRADLEY Panelview 550 Controller, PARTLOW Model MRC 7000 Circular Chart Recorder, GREAT LAKES Model 672 E Programmable Controller.
Control Cabinet, Carbon Steel, 5' wide x 6' high x 18" deep, mounted On 1' high Steel Legs, containing but not limited to:
3 - OMEGA Type RD 1606 Strip Recorders
ALLEN BRADLEY SLC 503 CPU Modules
LEVITON 51020-WM Modules
- 24 CAUSTIC FEED SYSTEM, with POSITRONIC IV Controller, KLENZODE Diaphragm Feed Pump, 1 - Unit with 5 - Pumps and 1 - Unit with Single Pump, Nalagene Tank having 75 gal. Capacity.
With:
CHEMICAL FEED SYSTEM having:
1 - 60 gallon Polypropylene Barrel, Flat Top and Bottom
YAMADA ½" Plastic Diaphragm Pump, Air Operated.

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25	ALLEN BRADLEY PLC MOTOR CONTROL CENTER having Model 900 Panelview Controller with NEMA No. 4 Starter, Stainless Steel Enclosure.
27	HOSOKAWA BEPEX TORUSDISC® INDIRECT HEAT EXCHANGER / POLYMER DRYER, Model TDJS 48-13, s/n TD-92001077-J (mfgr'ed 1992), U - Shaped Vessel, Stainless Steel, Steam Jacketed Sides, Rotor Rated @ 75 psig @ 340 F, - 20 F @ 75 psig, Stator Rated @ 75 psig @ 340 F, - 20 F @ 75 psig, Shell Thickness - .312, Jacket Thickness - .438, Top Cover having 2 - Inspection Hatches with Glass Ports, 2 - End Positioned Vent Fittings having 6 ½" Ducting, 1 - Clean-Out Hatch with 21" diameter Quick-Opening Door; Single, End Positioned, Bottom 8" diameter Discharge fitted with PARKER HAMILTON Model J2A19 Air Actuated, 8" Slide Gate, Item No. 05-DR-371, powered by RELIANCE 25 hp, 1765 rpm Electric Motor with FAULK Model 1080FZ3AS Reducing Gearbox, 39.6 Ratio.
28	WAUKESHA POSITIVE DISPLACEMENT, ROTARY PUMP, Model 224, Stainless Steel, 4", Rectuangler Flanged Ports, powered by SEIMENS-ALLIS 15 hp, 230/460 volt, 3 phase, 38.7/18.4 amps Electric Motor having FAULK Model GK 1050F F2A Reducing Gearbox Drive. SLIDE GATE, 10"x 10", Air Operated and Actuated, with 150 lb. Flanged.
29	PRECISION STAINLESS, INC. STORAGE TANK, 1500 Gallon Capacity, 316 L Stainless Steel, s/n 8108-1 (mfgr'ed 1987), Atmospheric, with Top Cover, with NETCO 1 hp Blade Type Agitator.
30	FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FPX-3541-205, s/n FPX 3541-972828, powered by BALDOR 7.5 hp Electric Motor with Stainless Steel Base.
31	FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FPX-3541-205, s/n FPX 3541-972827, powered by BALDOR 7.5 hp Electric Motor with Stainless Steel Base.
32	CHERRY-BURRELL DIGEST / MIXING TANK, Stainless Steel, 3000 gallon Capacity, s/n E-246-97, Nat. Bd. No. 4722, Jacketed for 125 psig @ 350 F, Domed Top with 23" diameter Access / Inspection Hatch, 2 - Recessed Side Positioned Utility Panels, Oblong Shaped, WITH: DUAL, COUNTER-ROTATING NORD AGITATOR, with Delrin Cone and Wall Scraper, powered by 20 hp Electric Motor, the Center Agitator is a 2 - Level, 4 - Blade, 32" diameter Axial Flow Turbine

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT
NO.

DESCRIPTION

Impeller, powered by 15 hp Electric Motor. Independent Drive with
T B WOOD'S E - Trac AC Electronic Invertor.
4 - Load Cells with FAIRBANKS-MORSE Model H-90-5200 Stainless
Steel Digital Scale Read-Out.
NOTE: THE ASSIGNED PUMP IS LOT 36

- 33 CHERRY-BURRELL DIGEST / MIXING TANK, Stainless Steel, 3,000
gallon Capacity, s/n E-245-97 , Nat. Bd. No. , Jacketed for 125 psig
@ 350 F, Domed Top with 23" diameter Access / Inspection Hatch,
2 - Recessed Side Positioned Utility Panels, Oblong Shaped
WITH:
DUAL, COUNTER-ROTATING NORD AGITATOR, with Delrin
Cone and Wall Scraper, powered by 20 hp Electric Motor, the Center
Agitator is a 2 - Level, 4 - Blade, 32" diameter, Axial Flow Turbine
Impeller powered by 15 hp Electric Motor, Independent Drive with
T B WOOD'S E -Trac AC Electronic Invertor.
4 - Load Cells with FAIRBANKS-MORSE Model H-90-5200 Stainless
Steel Digital Scale Read-Out.
NOTE: THE ASSIGNED PUMP IS LOT 37

- 34 MIXING TANK, STAINLESS STEEL, 6' diameter x 8' high, Flat Top and
Bottom, Top Cover with Hinged Inspection Segment. Mounted on
4 ½" od x 38" high Stainless Steel Pipe Legs. With NETTCO Model
NSGB-050 Agitator, s/n 76264-B2 (12/14/87), powered by BALDOR
½ hp Electric Motor. 1" od x 8' long Stainless Steel Shaft with 3 -
Blade, 15" diameter Stainless Steel Impeller.

- 35 MIXING TANK, STAINLESS STEEL, 6' diameter x 8' high, Flat Top and
Bottom, Top Cover with Hinged Inspection Segment. Mounted on
4 ½" od x 38" high Stainless Steel Pipe Legs. With NETTCO Model
NSBE-050 Agitator, s/n 76264-B1, (12/14/87), powered by BALDOR
½ hp Electric Motor. 1" od x 8' long Stainless Steel Shaft with 3 -
Blade, 15" diameter Stainless Steel Impeller.

- 36 FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FPX-3541-205,
s/n FPX 3541-981755, powered by BALDOR 7.5 hp Electric Motor
with Base.

- 37 FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FPX-3541-205,
s/n FPX 3541-981756, powered by BALDOR 7.5 hp Electric Motor
with Base.

- 38 VIATEC PERMA-SAN MIXING TANK, 470 gallon Capacity, Stainless

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT
NO.

DESCRIPTION

Steel, Model JOVC, s/n 52915-62, Nat. Bd. No.5937, Steam Jacketed, rated at 55 psig @ 300 F, 55 psig @ -20 F, Shell Thickness - .103, Head Thickness - .103, Crown Radius - 62", Flat Top and Bottom, with Fluid Lever Sight Gage, Mounted on 2 ½" diameter x 12" high Stainless Steel Legs. LIGHTNIN Agitator powered by 2.5 hp Electric Motor.

- 39 FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FPX-741-205, s/n FPX 741972818, powered by 3 hp, 230/460 volt, Direct Coupled Electric Motor with Stainless Steel Mounting Base.
- 40 WAUKESHA POSITIVE DISPLACEMENT, ROTARY PUMP, Stainless Steel, Model 30, s/n 19570, 1 ½", powered by 10 hp, 230/460 volt Electric Motor.
- 41 BRADLEY EMERGENCY WASH STATION with Eye Wash Basin and Shower Head.
- 42 LOT - CHERRY-BURRELL 2" O.D. Stainless Steel Sanitary Style Piping, Connections, Clamps, Valves and Miscellaneous Parts and Fittings. Loose on the Floor in the Plant.
- 43 LOT - STEAM PIPING AND CONTROL VALVES.
Loose on the Floor and Installed in the Plant
- 44 PORTABLE, STAINLESS STEEL MATERIAL HANDLING CART, 36" wide x 29" deep x 5' long, mounted on 4 - Caster Wheels.

DIGEST TANK ROOM

- 45 CHERRY-BURRELL HORIZONTAL STORAGE TANK, 2 - Compartment, Stainless Steel, 4,200 gallon Total Capacity, Model GRW, 10' wide x 141" long x 86" high, s/n 21-77-2906, each Compartment has 2,100 gallon Capacity, with CIP Fittings, 2 - LIGHTNIN Agitators, each powered by 2 hp Electric Motor, 1" diameter Stainless Steel Shaft and 2 - Blade 3' diameter x 1' high Propeller
NOTE: THE ASSIGNED PUMPS ARE LOTS 58 and 59.
- 46 HORIZONTAL STORAGE TANK, Stainless Steel, 5,000 gallon Capacity, 8' diameter x 12'6" long, Dished Heads, Clean-Out Hatch with CIP Fittings. TYCO Agitator with
NOTE: THE ASSIGNED PUMP IS LOT 56 – THE LOAD CELLS AND FAIRBANKS READOUT PANEL **DO NOT** GO WITH THE TANK.
- 47 HORIZONTAL STORAGE TANK, Stainless Steel, 5,000 gallon Capacity,

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT
NO.

DESCRIPTION

8' diameter x 12'6" long, Dished Heads, Clean-Out Hatch with CIP Fittings. TYCO Agitator with

NOTE: THE ASSIGNED PUMP IS LOT 54 – THE LOAD CELLS AND FAIRBANKS READOUT PANEL **DO NOT** GO WITH THE TANK.

48

CHERRY-BURRELL VOTATOR® SCRAPED SURFACE, SHELL AND TUBE HEAT EXCHANGER, Stainless Steel, Model 4SSHE, s/n A5084 (1990), 4" diameter x 120" long, rated at 200 psig @ 150 F, 150 psig @ 365 F, Steam Jacketed, powered by BALDOR 3 hp Electric Motor. With Steam Injection Manifold having FISHER Size 10, 1 ½" WCB Flanged Gate Valve with FISHER Air Operated Actuator, 2 - Solenoid Actuated Gate Valves, Check Valve.

49

CHERRY-BURRELL VOTATOR® SCRAPED SURFACE, SHELL AND TUBE HEAT EXCHANGER, Stainless Steel, Model 4SSHE, s/n 91032HA (1991), 4" diameter x 120" long, rated at 200 psig @ 150 F, 150 psig @ 365 F, Steam Jacketed, powered by BALDOR 3 hp Electric Motor. With Steam Injection Manifold having FISHER Size 10, 1 ½" WCB Flanged Gate Valve with FISHER Air Operated Actuator, 2 - Solenoid Actuated Gate Valves, Check Valve.

50

HORIZONTAL STORAGE TANK, Stainless Steel, 5,000 gallon Capacity, 8' diameter x 12'6" long, Dished Heads, Clean-Out Hatch with CIP Fitting, Agitator powered by ?? hp Electric Motor having 1 1/4" diameter Stainless Steel Shaft and 30" diameter 2 - Blade Propeller..
NOTE: THE ASSIGNED PUMP IS LOT 53

53

FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FZX-150, s/n FZX 15097457, powered by 7.5 hp Electric Motor with Direct Drive Mounted on a Stainless Steel Base.
NOTE: THIS PUMP IS ASSIGNED TO LOT 50

54

FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FZX-150, s/n FZX 150972816, powered by 7.5 hp Electric Motor with Direct Drive Mounted on a Stainless Steel Base.
NOTE: THIS PUMP IS ASSIGNED TO LOT 47

56

FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FZX-150, s/n FZX 150972813, powered by 7.5 hp, 230/460 volt Electric Motor, Unitized and Mounted on a Stainless Steel Base.
NOTE; THIS PUMP IS ASSIGNED TO LOT 46

58

FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FZX-150, s/n

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT
NO.

DESCRIPTION

FZX 150972811, powered by 10 hp 230/460 volt Electric Motor,
Direct Coupled, Unitized and Mounted on a Stainless Steel Base.
NOTE: THIS PUMP IS ASSIGNED TO LOT 45

- 59 FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FZX-150, s/n
FZX 150972812, powered by 10 hp 230/460 volt Electric Motor,
Direct Coupled, Unitized and Mounted on a Stainless Steel Base.
NOTE: THIS PUMP IS ASSIGNED TO LOT 45
- 60 ACID STORAGE TANK, Phosphoric Acid, UN 1805 Placard, Dual Tank
Containment System, Nalagene Construction, Outside Tank is 12'
diameter x 10' high, Flat Bottom, Open Top. Inner Tank is Vertical,
104" diameter x 11' high, Flat Bottom, Domed Top, 5,000 gallons
Capacity, No.89109 40166
- 61 CAUSTIC STORAGE TANK, Sodium Hydroxide Solution, UN 1824
Placard, Dual Tank Containment System, Nalagene Construction,
Outside Tank is 12' diameter x 10' high, Flat Bottom, Open Top.
Inner Tank is Vertical, 104" diameter x 11' high, Flat Bottom, Domed
Top, 5,000 gallons Capacity,
- 62 3 - YAMADA POLYPROPYLENE DIAPHRAGM PUMPS, Model 25BPE,
EPDM Diaphragm, 1", Air Operated.
- 63 ROSS EMULSIFIER, Model ME-410-SAN, s/n 58648 powered by
US ELECTRIC MOTORS 10 hp Electric Motor with Controls.
- 64 BRADLEY EMERGENCY WASH STATION, with Eye Wash Basin and
Shower Head.
- 65 PRODUCT PIPING MANIFOLD, Stainless Steel, 2' high x 7' long, with 2 -
Banks of Fitting Points. 1 - with 11 - 1 3/4" diameter Pipe Outlets
with Sanitary Fittings and ANDERSON Pressure Gauges; 1 - with
9 - 1 3/4" diameter Pipe Outlets with Sanitary Fittings; 6 - CSE
Pressure Gauges. Mounted in a Frame Constructed from Stainless
Steel Square Tubing.
- 66 INSTRUMENT CONTROL PANEL, having 2 - FISHER Pressure Regulators,
2 - MOORE I/P Transducers, Carbon Steel Control Panel, mounted on
Carbon Steel Stand.
- 67 PORTABLE, STAINLESS STEEL WASH TROUGH, 16" wide x 11" deep
7' long, mounted on Extended Width Pipe Legs with Casters.

FINISHED DIGEST ROOM

ACCURACY OF DESCRIPTION NOT GUARANTEED

MAAS COMPANIES INC

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT NO.	DESCRIPTION
68	HORIZONTAL MIXING TANK, Stainless Steel, 'Cheese Tank', 14' long x 10' wide x 68" high, 2 - Compartment, Dished Top, Flat Bottom, Steam Jacketed and Insulated, with Dual Agitator Shafts powered by Drive Shaft from Main Reduction Gearbox having Electric Motor. Mounted on 8" high Pipe Legs.
69	HORIZONTAL MIXING TANK, Stainless Steel, 'Cheese Tank', 14' long x 10' wide x 68" high, 2 - Compartment, Dished Top, Flat Bottom, Steam Jacketed and Insulated, with Dual Agitator Shafts powered by Drive Shaft from Main Reduction Gearbox having Electric Motor. Mounted on 8" high Pipe Legs.
70	FRISTAM CENTRIFUGAL PUMP, Stainless Steel, Model FPX 742-205, s/n FPX 742972822, powered by 10 hp Electric Motor, Direct Coupled, Unitized and Mounted on a Stainless Steel Base.
74	LOT - 6 - CARBON STEEL STORAGE CABINETS, 36" wide x 84" high, Double Hinged Doors, with Contents of Tools , Controls and Related Spare Parts.

ELECTRICAL MCC EQUIPMENT

75	ALLEN BRADLEY CENTERLINE BULLETIN 2100 MOTOR CONTROL CENTER, 600 vac, 1600 amps, 12 - Sections
	2 - Section with 5 - Modules
	6 - Sections with 6 - Modules
	1 - Section with 4 - Modules and 1 - M-15
	1 - Section with 4 - Modules and 1 - M-16
	1 - Section with 2 - Modules and 1 - M-49 and 1 - M-51
	1 - End Section

NOTE: All Items to be sold WILL NOT contain any items Related to the Main Panel, Sump Pumps, Overhead Door(s) and/or Lighting.

PROCESS EVAPORATOR

80	TRANSTER, INC. SUPERCHARGER, PLATE and FRAME HEAT EXCHANGER, Model S-3-HP-110, s/n SC 22541 (mfgr'ed 1980), 365 sq.ft, Heated Area, rated at 150 psig @ 300 F, Back Plate min. - 20.51, max. - 21.31. With Piping Manifold containing, but not limited to: FISHER 3" Flanged Gate Valve with FISHER Air Operated Actuator, 1 - 3" Flanged 'Y', 1 - 4" Flanged 'Y', 3 - FISHER 3" Flanged Gate Valves, 2 - 1" Flanged Gate Valves,
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FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT NO.	DESCRIPTION
81	FRISTAM PUMP, Stainless Steel, Model FPX 3542-190, s/n FPX 3542-983585, powered by BALDOR 25 hp Electric Motor, with Carbon Steel Base, Sanitary Type Fittings.
82	ROSENTHAL FLASH EVAPORATOR TANK, Stainless Steel, 8' diameter x 12' high Straight Wall with 2' high Conical Bottom, Domed Head with 12" diameter Flanged Center Intake Fitting, Internal Steam Heating Plates, Designed for Operation Under 25" Vacuum, 2 - 18" diameter Access / Inspection Hatches (1 - on Each Side of the Tank), Inspection Port with Glass located on the Side Near the Bottom, 2 - 4" diameter Bottom Discharge Flanged Openings, 2 - 5" diameter Hex Plugs located near the top. Mounted on 4 - 4 ½" od x 7' tall Stainless Steel Legs.
83	VIATEC PERMA-SAN EVAPORATOR FEED TANK, Model JOVC, 470 gallon Capacity, Nat. Bd. No. 5936, Mfgr's s/n 52915-2, (1989), Jacket MAWP 55 psig @ 300F, MDMT 55 psig @ -20 F, Shell - .103, Head - .103, Crown Radius - 62", Flat Top and Bottom, with Fluid Level Sight Gage, Mounted on 2 1/4" x 12" high Stainless Steel Legs, with LIGHTNIN Blade Type Agitator powered by 3 hp Electric Motor.
84	WAUKESHA POSITIVE DISPLACEMENT, ROTARY PUMP, Stainless Steel, Model 30, s/n 19569, 1 ½", powered by BALDOR 5 hp Electric Motor, Carbon Steel Base.
85	GRAHAM PRECISION PUMPS LIQUID RING VACUUM PUMP, Model 1PV 4216 / FAZ, s/n 74313-1, Part No. 121204, Cast Iron Body, Bronze Impeller, powered by LINCOLN 10 hp Electric Motor, Skidded.
86	WAUKESHA POSITIVE DISPLACEMENT, ROTARY PUMP, Stainless Steel, Model 25, s/n 0021003, powered by BALDOR 2 hp Electric Motor.
88	POWER PORT PRODUCTS PNEUMATIC HOSE and REEL ASSEMBLY with 75' (est.) of GOODYEAR 3/8" 300 psi Air Hose. Manually Operated
89	JET CHAIN HOIST, 1.5 tons Capacity, Manually Operated with Trolley.
90	SHELL and TUBE HEAT EXCHANGER, Stainless Steel, Steam Heating Medium, Horizontal, 3' diameter x 20' long with Carbon Steel Piping Manifold with 3" Flanged Valves.

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT
NO.

DESCRIPTION

MISCELLANEOUS EQUIPMENT – YARD

- 102 DAL-WORTH ANHYDROUS AMMONIA STORAGE TANK, 6,000 water gallon Capacity, Horizontal, Carbon Steel, 84" diameter x 286 3/4" long, Hemi Heads, Shell Thickness - .708", Head - .353", 300 psig @ 130 F Design, Mfgr's s/n AMM-65633, S.O. No. 1809 (1987) Saddle Mounted on 2 - 3' high x 6' wide Pedestal.
- 103 GOULDS CENTRIFUGAL PUMP, Model 3196, Size 1x1.50-5, 4.75" Impeller, s/n 792C267, powered by SEIMENS ALLIS 3 hp Electric Motor, having GOULDS Cast Base, mounted in a 1 1/4" Pipe Frame.
- 104 PAUL MUELLER COMPANY FERMENTATION VESSEL, Model F, 25,000 liter, Vertical, 316 L Stainless Steel, 9' diameter x 12'3" high, s/n P22413, Equip. No. F-101-25000, P.O. No. 525-50913, (12/87) Vessel Max. WP - 95 F.V. psig @ 300 F, Domed Top and Bottom, Bottom Insulated with Refractory Brick, with 1 - 8" and 1 - 6" Flanged Top Fittings, 2 - Glass Inspection Ports, 4 - 1 1/4" Sanitary Fitting Ports, 6 - Instrumentation Ports, 2 - 6" Flanged Side Positioned Outlets, 2 - Side Positioned Glass Inspection Ports, 3 - Load Cells, Main Vessel is Insulated and Jacketed. Mounted in a 12'x 12' x 25' tall Steel Skeleton Frame Works constructed from 7"x 7" Square Carbon Steel Tubing with Agitator having 8 - Banks of 32 - Rows of 1" od Stainless Steel Tubing Spray Bars powered by 300 hp Electric Motor, Defoamer Exhaust Filter, Oil Cooler Pump.

Top Section of this Fermenter contains, but not limited to the following:

ACCO BABCOCK Model 3434821 Electric Hoist, 5 tons Capacity, s/n 534 09 5058, with WRIGHT Single Sheave Hook/Block, 5 tons Capacity.

APPLIED ENGINEERING SHELL and TUBE HEAT EXCHANGER, Stainless Steel, 8" diameter x 4' long, Insulated and Jacketed.

Miscellaneous and Related Piping, Conduit, Valves, Actuators, Stainless and Carbon Steel.

Mounted in a 12'x 12'x 12' high Steel Skeleton Frame Work having Full Top Deck Covered with Diamond Checkered Steel Plate.

- 105 MIXING TANK, Stainless Steel, 8' diameter x 4' high Straight Wall, 1'4" deep, Domed Bottom, Full Flat Top Cover with Hinged Segment Inspection Door. Mechanical Load Cell with FAIRBANKS 10,000 lbs. Capacity Balance Beam Scales. With:
Agitator with FAULK Model 300MDXDF2AT164 Reduction Gearbox,

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT NO.	DESCRIPTION
	7.64 ratio, powered by LINCOLN 20 hp Electric motor. Mixer Impeller is Single Screw Auger, 10" diameter x 6'l. The Bottom 3 Flights are Cuffed with a 4" high Strap.
106	MIXING TANK, BARREL BOTTOM, STAINLESS STEEL VAT, 300 gallon Capacity, # 3, 3 1615 300, 2 - End Positioned, Laterally Hinged Top Access Doors, each with 7" diameter Vent Fittings, mounted on 4 - 3" diameter x 5" high Legs.
107	MIST/HEAT EXCHANGER CHAMBER, Stainless Steel, with 2 - 13 ½" diameter Flanged Fittings, 22" dia x 29" high, Heat Exchanger Fins in the Interior, Injection Nozzle,
108	BUFFALO FORGE COOLER MIST ELIMINATOR, Model 80 BB P00 s/n 90315245, P.O. No. 2815, TROATONIZER, 55"x 26"x 36" Overall Dimensions, Galvanized Steel.
109	STAINLESS STEEL CONE, 8' diameter x 8' h, with Sliding, Side Positioned Door, 2 - Level Leg Mounting System with 6 - Side Leg Mounting Plates.
110	STAINLESS STEEL HOLDING TUBE, Sanitary Fittings, 12 - Legs of 3" od x 10' long Piping, Insulated and Jacketed, P.O. No. 01-8475-01, P-100-000-61-11. NOTE: THIS UNIT IS LESS ALL THE SANITARY FITTING CLAMPS.
111	TUBE-IN-TUBE HEAT EXCHANGER, 304 Stainless Steel, 3 ½" od Shell, 16 - Tubes x 10' long, No. H 55656, arranged in 2 - Banks (both the Exterior) containing 3 - Sets (6 each) and 1 - Bank (Interior) containing 2 - Sets (4 each) of Tubes. End Return Manifolds, Wall Mounting Brackets and I - Beam Skid Base.

WAREHOUSE

115	BROOKS GASOLINE FLOW and TOTALIZER METER, s/n 8907-20519-4-1
116	3 - SANITARY CONNECTION UTILITY MANIFOLDS, Stainless Steel, with 4 - 1 1/4" Connections, mounted in Carbon Steel Angle Iron Frame.
117	LOT - (2 - Pallets) NELSON ELECTRIC et.al. EXPLOSION PROOF, ELECTRICAL BOXES, and Related, 24 (approx.) Pieces.
118	TOLEDO PORTABLE PLATFORM SCALES, Stainless Steel, Model 6140, s/n 4173821-4ZN, Zeroing, 200 lbs. Capacity, .02 lbs Graduations, 24"x 30" Weighing Platform.

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT NO.	DESCRIPTION
119	LOT - (1 - Pallet) STAINLESS STEEL ELECTRICAL BOXES, 3 - Boxes, 24"x 30" and Smaller.
120	LOT - 3 - PULSA DIAPHRAGM, METERING PUMPS , Model 680H-5-AP 13.4 gph Flow, 150 psi, s/n's 8708709-1X, 87080709-3X and 8812975-3, powered by BALDOR 3/4 hp Electric Motor.
121	PULSA DIAPHRAGM METERING PUMP, Model 680H-5-AP, 13.4 pgh, Flow, 150 psi, powered by BALDOR 3/4 hp Electric Motor. NOTE: IS IN UNUSED CONDITION, IS IN ORIGINAL SHIPPING BOX. THE SERIAL NUMBER IS NOT AVAILABLE.
122	PULSA DIAPHRAGM METERING PUMP, Model 7120 8 - AD, s/n 8812975-2, 12.5 ratio, 2.125" Piston Size, powered by BALDOR 3/4 hp Electric Motor NOTE: THIS PUMP IS IN EXCELLENT, UNUSED CONDITION.
123	LOT - 2 - PULSA DIAPHRAGM METERING PUMPS, Model 7120 S - AP, 12.3 ratio, 2.125" Piston Size, s/n 878709-2, powered by BALDOR 3/4 hp Electric Motor.
124	LOT - STAINLESS STEEL CONTROL BOXES, 24"x 30" and Smaller
125	LOT - SANITARY AIR ACTUATED VALVE
126	2 - VIKING STAINLESS STEEL PUMPS, Model KK 4500-6, s/n's 10236611 and 1107816, powered by GE and BALDOR Electric Motors each with Reduction Gearboxes, mounted on Bases.
127	TRI-FLO STAINLESS STEEL PUMP, Model C 216MD211, s/n W 1982, Direct Coupled, powered by 10 hp Electric Motor.
128	LOT - 6 - TUBS containing Misc Stainless Steel Parts & Fittings, 1 3/4" Plug Valves, Sanitary Fittings and Clamps
129	LOT - 3 - TUBS containing 17 (approx.) Total - ROSEMONT Model 1144 Pressure Transmitters, MICRON MOTION Model S O 65S238, Cat. No.X1HOGC 21 Mass Flow Sensors, Sanitary and Non-Sanitary Probes, Fittings and Components.
130	LOT - 2 - SHAFTS for NEW YORK BLOWER FANS NOTE: BOTH OF THESE ITEMS ARE UNUSED - STORED IN ORIGINAL SHIPPING CRATE. THESE FIT THE FANS THAT ARE INSTALLED IN THE SPRAY DRY FACILITY.

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT NO.	DESCRIPTION
131	ABB VARIABLE FREQUENCY AC MOTOR DRIVE, NORDIC Model ES-3 and Soft Starter.
132	LOT - MISCELLANEOUS VALVES, PRESSURE REGULATORS ETC
133	PORTABLE, GRAVITY ROLLER CONVEYOR SECTION, 2' wide x 5' long, mounted on Adjustable Height Legs on Casters.
134	LOT - 3 - WOODEN CRATES OF FIKE BLAST PANELS FOR SPRAY DRY ATOMIZER. Type D2352-16, 39 ½"x 39 ½" NOTE: UNUSED - EXCELLENT CONDITION - STORED IN ORIGINAL SHIPPING CRATE.
135	LOT - 1 PALLET OF RELIANCE MINI PAK VS DRIVES, 2 - SIGNET Batch Controllers (1 - is NEW) and Miscellaneous Related Parts.
136	LOT - 2 - PALLETS OF ELECTRICAL CONTROL BOXES & PANELS, Stainless and Carbon Steel, 48"x 36" and Smaller.
137	LOT - 1 - PALLET CONTAINING 2 - ALARM CONTROL BOXES 4 - ITEMS TOTAL
138	MARATHON ELECTRIC 150 HP ELECTRIC MOTOR, Model PT - 445TTPS7089EP W, Continuous Duty, 40 degree C Rise, 1185 rpm, 460 vac.
139	PALLET OF SANITARY HOSE,, 150 PSI
140	PALLET OF NELSON EXPLOSION PROOF ELECTRICAL FITTINGS 3 - Weather Head Fittings sized for 3 ½" Conduit.
141	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
142	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
143	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
144	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
145	2 - PALLETS (partial) - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Gags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT NO.	DESCRIPTION
146	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
147	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet. Plain PVSE 22 x 27 - ½ x 6 x ½
148	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
149	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
150	PALLET - MID AMERICA PACKAGING / GAYLORD VAL PACK Paper Bags, 1500 Bags per Pallet, Plain PVSE 22 x 27 - ½ x 6 x ½
151	PACKAGING SYSTEMS INTERNATIONAL VAL BAG PACKER, Model AM - 270, s/n 87-24-4315, Stainless Steel, with Adjustable Height Bag Holder / Load Cell, FAIRBANKS Model H 90 - 5200 Digital Scale Read-Out Unit, Stainless Steel, powered by RELIANCE Electric Motor and DODGE Reduction Gearbox. Mounted in Carbon Steel Angle Iron Frame.
152	AZO CYCLONE SCREENER, FINISHED PRODUCTS SIFTER, Model E-240-B1, Stainless Steel, powered by ½ hp Electric Motor.
153	NIRO DUAL BUTTERFLY FLAPPER VALVE AIR LOCK, Stainless Steel, 6" id x 13" tall, Flanged Connections. NOTE: Unit is Less the Electric Motor.
154	7 - PLATE HEAT EXCHANGERS, Stainless Steel, consisting of: 2 - APV CREPACO Model XP-100-0-4, 22"x 10"x3" high Nat. Bd. No's. 2080 and 2078 2 - APV HEBELER CORP Model SR 15, 22"x 10"x 8 ½" high s/n 25587.1 and 76349 3 - Undetermined
155	3 - PLATE HEAT EXCHANGERS, Stainless Steel, consisting of 2 - AMERICAN STANDARD PLATEFLOW Model L4BE-5 18"x 5"x 1 ¼" high, Max. Pressure Differential - 225 psi Max. WP - 150 psi @ 300 F.

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT NO.	DESCRIPTION
166	3 - PALLET OF MISCELLANEOUS
167	LOT - 2 Pallets OF ELECTRICAL CONTROL BOXES and Electrical Switches.
168	LOT - VALVES SANITARY
169	2 - PALLETS GATE VALVES
170	KEI PORTABLE SHOP VACUUM, Model 2030-3, s/n 20335, with 14RH Blower powered by BALDOR 3 hp Electric Motor. 55 gallon Steel Barrel Dust Container, Cantilevered Hose Support Arm, unitized and mounted on a 3' wide x 6' long Platform Dock Truck.
171	2 - TRI FLO CENTRIFUGAL PUMPS, Model C 328ME211-9, s/n U0676 Stainless Steel, Direct Coupled, powered by Electric Motor.
172	WAUKESHA POSITIVE DISPLACEMENT, ROTARY PUMP, Stainless Steel, Model 220, s/n 135806, 4", powered by RELIANCE 10 hp Electric Motor. Mounted on Portable Carbon Steel Frame, 42" long x 24" wide x 32" high with casters.
173	PERMA SAN 100 GALLON MIXING TANK, Stainless Steel, Model 100 - GAL JOVC, s/n 50834-2, Dimple Jacketed, Dished Bottom, Open Top with Stainless Steel Cover, Portable, mounted on 16" high Pipe Legs with Casters.
174	PERMA SAN 100 GALLON MIXING TANK, Stainless Steel, Model 100- GAL JOVC, s/n 50834-1, Dimple Jacketed, Dished Bottom, Open Top with Stainless Steel Cover, Portable, mounted on 16" high Pipe Legs with Casters.
175	BRIGHTON 100 GALLON MIXING TANK, Stainless Steel, s/n PC4064-2 (1980), Shallow Dished Bottom, 40 psi @ 106 F, Portable, mounted on Legs with Casters. WITH: MINAREK Cat. No. 505-06-029 Agitator, 1800 rpm, with 5/8" diameter x 5' long Stainless Steel Shaft.
176	LOT - SANITARY HOSE, 2" od x 5' long (approx.) and smaller.
177	TRI FLO PORTABLE TRI-BLENDER PUMP, with TRI FLO 8" diameter Impeller, Stainless Steel, Direct Coupled Mixing Pump, powered by GENERAL ELECTRIC 3 hp Electric Motor; TRI FLO 6" diameter

FORMER ESTEEM PRODUCTS SPRAY DRY PLANT
DARLING INTERNATIONAL – NORFOLK, NE

LOT
NO.

DESCRIPTION

Impeller, Stainless Steel, Direct Coupled Charging Pump, powered
RELIANCE 3/4 hp Electric Motor, 2- ALLEN BRADLEY Stainless
Steel Motor Starter Control Boxes, Unitized and Mounted on a Single
Axle Cart with 75' (est.) of Electrical Power Cord having CROUSE
HINES M 72 Plug.

- 178 4 - PALLETS MISCELLANEOUS STAINLESS STEEL BALL AND
NEEDLE VALVES, TUBING, 1/4" to 1/2" .
- 179 LOT - PALLET OF 7 TUBS WITH MISCELLANEOUS CONTENTS
- 180 LOT - 2 - PALLETS OF 8 TUBS CONTAINING 23 (approx.) - CLAMPS,
SANITARY & MISCELLANEOUS
- 181 LOT - 3 - PALLET OF 2 HOSES, ELECTRICAL BOXES, CONTROLLERS
READOUTS AND MISCELLANEOUS.
PALLET OF 2 - ELECTRICAL BOXES AND 2 CONTROLLER
READ-OUTS