



## LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 | P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

### MEMORANDUM

Date: December 13, 2022

To: Lower Platte South Natural Resources District Board of Directors

From: Will Inselman, Resources Coordinator *WI*

Subject: Minutes for Recreation, Forestry & Wildlife Subcommittee Meeting

On Monday, December 12, 2022, at 5:32 p.m., the Recreation, Forestry and Wildlife subcommittee met virtually via Zoom. Subcommittee members present; Anthony Schutz – Chair, Luke Peterson, Christine Lamberty, Tom Green, Ray Stevens, and Mark Spangler. Other attendees were David Potter, Ariana Kennedy, and Will Inselman.

First and only item on the agenda was the approval of the low bid for the prescribed fire pumper unit. This summer, LPSNRD submitted a grant to the National Wild Turkey Federation (NWTF) to obtain funds to purchase a prescribed fire pumper unit. Staff explained that this pumper unit is a critical piece of equipment that would allow LPSNRD staff to be self-sufficient in conducting controlled burns on our properties for management purposes. Currently, LPSNRD owns one unit, and this second unit will allow us to have two large water sources on burns to operate two burn teams safely. LPSNRD submitted the grant with the intent of a 1:1 match with LPSNRD contributing \$10,000 and NWTF contributing \$10,000. Our grant was one of five grants selected for funding (NWTF received 8 total proposals), unfortunately NWTF was only able to award LPSNRD with \$2,500 of the original \$10,000 requested. Seeing as this piece of equipment is important for conducting management on our properties, we would request proceeding with the purchase. LPSNRD submitted bids to three manufactures (two in Nebraska and one in South Dakota) and received bids from two of them.

**It was moved by Green and seconded by Stevens and approved to recommend the Lower Platte South NRD Board of Directors approve the low bid from Danko Emergency Equipment Company in the amount of \$16,730.00 for the prescribed fire pumper unit and accept the \$2,500.00 grant award from the National Wild Turkey Federation to be used towards this purchase.**

Motion Passed: 5-1 (Spangler voting NO)

Meeting adjourned at 5:43 p.m.



Healthy  
Habitats.  
Healthy  
Harvests.™

October 3, 2022

Dear Nebraska Conservation Partners & NWTF members:

The Nebraska State Board of Directors of the National Wild Turkey Federation (NWTF) recently selected Hunting Heritage Super Fund conservation project proposals for 2023 funding awards. The Nebraska Board of Directors budgeted **\$25,000** for conservation projects and **\$3,000** for Hunting Heritage-related projects. **All awards are dependent upon NWTF fundraising efforts and projects should not start until you have contacted me.** Approved habitat and equipment proposals are as follows in no particular order, with NWTF funding award listed in parentheses:

- 1) University of Nebraska-Lincoln - Wild Turkey research (\$5,000)
- 2) USACE Harlan County Lake - invasive species removal (\$2,500)
- 3) Lower Platte South NRD - prescribed burn equipment (\$2,500)
- 4) NWTF - Waterways for Wildlife Initiative (\$15,000)
- 5) Eustis Gun Club (\$3,000)

All approved projects must be completed during the next 12 months, unless an extension is requested and approved. If your submitted proposal is not listed above then the NWTF was not able, or elected not to, provide support this year. However, we encourage you to try again next year. If you desire further explanation, please feel free to contact me at any time. Projects are expected to allow reasonable signage (signs for projects / decals for equipment) or recognition of NWTF participation and funding support. Please contact me before beginning your project or making any purchases or expenditures for any specifics related to your funding award at (903) 539-0279 or [afarrell@nwtf.net](mailto:afarrell@nwtf.net).

Yours in Conservation,

Annie Farrell AWB®  
District Biologist - TX, OK, KS, NE



**DANKO EMERGENCY EQUIPMENT CO.**  
302 East 4<sup>th</sup> Street • PO Box 218 • Snyder, NE 68664-0218  
(402) 568-2200 • Fax (877) 568-2443 • [trucksales@danko.net](mailto:trucksales@danko.net)

**PROPOSAL FOR FIRE APPARATUS**

TO: \_\_\_\_\_  
\_\_\_\_\_

Dear Sirs:

We hereby propose and agree to furnish, after your acceptance of this proposal and the proper execution and approval of the accompanying contract, the following apparatus:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

All of which are to be built in accordance with the specifications attached, and which are made a part of this agreement and contract to deliver same by \_\_\_\_\_ calendar days after receipt of signed and accepted contract to deliver same at Danko Emergency Equipment, Co. Proposal subject to all causes beyond our control, for the sum of:

(\$ \_\_\_\_\_ ) F.O.B. \_\_\_\_\_

Terms: \_\_\_\_\_

All payments of any nature must be paid directly from the customer to Danko Emergency Equipment Company in Snyder, Nebraska.

The amount named in this proposal shall remain firm for a period of \_\_\_\_\_ days from the date of same.

Respectfully Submitted  
DANKO EMERGENCY EQUIPMENT CO.

We agree to accept the above proposal

\_\_\_\_\_

\_\_\_\_\_  
(Customer Signature)

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

# LOWER PLATTE SOUTH NATURAL RESOURCES DIST LINCOLN, NE

## **DANKO SKID UNIT** UPF Defender Poly Tank

### **FIRE PUMP**

A Waterous 2515LE pump shall be provided and bolted directly to the specified engine.

The impeller shall be high strength corrosion resistant bronze, fully enclosed, double hubbed to balance hydraulic thrust, and mechanically balanced to eliminate vibration. The volute shall be constructed of high strength aluminum alloy, anodized for superior corrosion resistance. A drain valve shall be located on bottom of the pump volute.

The pump shall have a two (2) year warranty covering material and workmanship. Normal wear items (packing, anodes, mechanical seals, etc.) are not covered by this warranty.

The pump shall be firmly mounted to the skid frame or platform behind the water tank.

|                       |   |         |
|-----------------------|---|---------|
| Max Pressure - 75 GPM | @ | 135 PSI |
| 115 GPM               | @ | 100 PSI |
| Max Flow - 150 GPM    | @ | 90 PSI  |

NOTE: The above performance rating is based on maximum full throttle with a flooded suction prior to the installation of associated piping.

### **PUMP ENGINE**

A Briggs and Stratton model 356447 Vanguard V-Twin OHV 18 HP engine shall be supplied and mounted to the pump. The engine shall be air cooled and constructed with Dura-Bore cast iron cylinder sleeves, a full pressure lubrication system with an automotive style oil filter, oil fill tube with dipstick, and an air filter. A manual recoil starter shall be supplied on the engine.

Displacement- 570 cc; Bore x Stroke- 72 x 70 mm; Compression ratio- 8.2:1; Magneton Electronic Ignition; Gross Torque- 28.7 lbs-ft @ 2,400 rpm; Gross Power Output- 18HP @ 3,600 rpm

The engine controls shall be mounted directly on the engine and consist of a keyed electronic start/stop ignition with backup manual recoil start, manual choke, and throttle control.

### **DISCHARGE PRESSURE GAUGE**

There shall be one (1), discharge pressure gauge installed in line with the plumbing. The gauge shall be a minimum of 2-1/2" in diameter with a white face and black text.

# LOWER PLATTE SOUTH NATURAL RESOURCES DIST LINCOLN, NE

## **LOW PRESSURE ENGINE SHUTDOWN SWITCH**

The pump engine shall be equipped with a shutdown switch to protect it from damage due to low water pressure. The switch will automatically shut down the pump engine when it is in the on position and the water pressure is low.

NOTE: The switch must be in the OFF position to start the engine. Once pressure is built up in the system the switch can be turned on and activated.

## **PUMP ENGINE OIL DRAIN**

An engine oil drain valve shall be provided and installed on the engine. The oil drain valve shall have a nipple to accept 3/8" ID hose to allow draining of the engine oil.

## **PUMP ENGINE FUEL TANK**

A five (5) gallon outboard fuel tank shall be supplied for the pump engine and mounted near the pump. The fuel tank shall be connected to the pump engine with an in-line carbon canister to provide low evaporative emissions in order to meet both the California Air Resource Board and EPA.

## **NO PUMP PRIMER**

There shall not be any primer provided for the pump.

## **PUMP SYSTEM CERTIFICATION**

The pump shall be tested after the pump and all its associated piping and equipment have been installed on the skid unit by the apparatus manufacturer.

## **XL PLUMBING**

Plumbing shall be a combination of heavy duty stainless steel pipe and fittings, and high pressure rubber hose.

A Danko XL stainless steel manifold shall be used for all discharge's. The Danko XL manifold is engineered to allow adding a foam system or additional discharge's easy and fast.

The high pressure rubber hose is designed to handle air, mild chemicals and water and is resistant to abrasion and UV protected.

The stainless steel pipe and fittings shall have a polished natural mill finish.

## **DISCHARGE MANIFOLD**

A stainless steel welded pipe manifold shall be attached to the pump discharge with four (4) 1/4" bolts to facilitate all outlets and reduce friction loss. The manifold assembly shall be constructed of 2" round tubing and capable of accommodating up to two (2) 1" discharges and three (3) 1-1/2" discharge outlets.

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## **SUCTION MANIFOLD**

A stainless steel welded pipe manifold shall be attached to the suction side of the pump with a Victaulic clamp for easy removal for service and maintenance. The manifold shall have a tee to facilitate a 2" tank to pump and 2-1/2" intake.

## **VALVES**

All valves, unless otherwise specified, shall be brass Watts full flow quarter-turn valves.

## **TANK TO PUMP**

The tank to pump shall be equipped with a 2" Watts full flow, quarter turn ball valve with a flexible hose to reduce vibration of the pump engine.

## **PUMP TO TANK/RECIRCULATE VALVE**

One (1) 1" tank fill/recirculate line with a 1" Watts full flow, quarter turn ball valve shall be plumbed directly from the pump discharge to the tank with a flexible hose to reduce vibration of the pump engine.

## **INTAKE**

One (1) 2-1/2" male intake shall be mounted to the pump inlet. The intake shall terminate with a chrome plated 2-1/2" NPT female x 2-1/2" NH male bushing. A zinc screen will be provided to prevent foreign objects from entering the pump.

## **CAP WITH CHAIN**

One (1) 2-1/2" NH vented chrome plated cap with chain shall be supplied for the intake.

## **HOSE BED**

One (1), treadbrite aluminum hose bed with a capacity to store 100' of 1-3/4" fire hose and a nozzle shall be located above the water tank. The hose bed shall measure approximately 12"W x 6"H x 60"L.

A hinged treadbrite cover shall be attached to the top of the hose bed and secured with a rubber draw latch.

There shall be matting in the hose bed area to provide traction and drainage should water enter the area.

## **1 1/2" PRECONNECT DISCHARGE**

One (1), 1-1/2" NH preconnect discharge(s) shall be provided and controlled with a 1-1/2" Watts full flow, quarter turn valve. The discharge shall terminate with a chrome plated 1-1/2" NPT male x 1-1/2" NH male fitting and directed towards the rear of the skid.

# LOWER PLATTE SOUTH NATURAL RESOURCES DIST LINCOLN, NE

## **BOOSTER REEL**

One (1), Hannay model EF4040-17-18 steel electric booster reel(s), with a capacity of 150' of 1" booster hose shall be supplied. The reel(s) shall be painted graphite in color. A 1" Watts full flow, quarter turn valve shall be plumbed from the pump discharge and connected to the booster reel with a flexible hose to reduce vibration from the pump engine.

The booster reel(s) is equipped with a standard 1" 90 degree ball bearing swivel joint with 1" female NPT threads and a standard outlet with 1" male NST threads.

The reel(s) shall be capable of withstanding pressures to 1000 psi and temperature ranges from -60° F to 250° F.

One (1), set of chrome guide rollers shall be mounted high on the left side of the hose reel. The rollers shall provide assistance in pulling the hose off from the reel and guiding it on after use.

One (1), booster reel rewind switch shall be located on the left side of the skid unit.

One (1), 1" x 150' section(s) of 300 lb. working pressure rubber booster hose coupled with 1" NH couplings shall be supplied for the booster reel(s).

The booster reel shall be mounted lengthwise above the water tank and deploy to the side(s) of the apparatus.

## **WATER TANK**

The water tank shall be a UPF Defender 2CE series tank with a capacity of 250 US gallons. (Approximate tank dimensions: 60L x 46W x 25H)

The tank shall have a LIFETIME WARRANTY as supplied by the tank manufacturer.

The tank shall be constructed of black 1/2" thick UPF PT-2E polypropylene sheet stock with AccTuff resin. The material shall be of a certified, virgin, high quality, noncorrosive, stress relieved thermo plastic.

The exterior of the tank shall be textured poly.

The tank shall be designed to have complete modular drop-in capability. All joints and seams are to be fusion welded and electronically and hydrostatically tested for maximum strength. The unit shall incorporate transverse and longitudinal partitions manufactured of 3/8" UPF PT2E polypropylene (natural in color) which shall interlock. All swash partitions shall be so designed to allow for maximum water and air flow between compartments and are completely welded to each other as well as to the inside of the tank.

# LOWER PLATTE SOUTH NATURAL RESOURCES DIST LINCOLN, NE

The tank shall be equipped with a combination vent/overflow and manual fill tower. The fill tower shall be 8" round with a blue, molded cover. The cover shall be fastened to the tower with a tether to prevent loss. The tower shall be located in the rear passenger's side corner. There shall be a vent/overflow installed out the side of the tank. This vent/overflow shall be schedule 40 polypropylene pipe and have an ID of 3". The vent/overflow shall be piped internally toward the passenger side and exit the tank through the sidewall. The overflow pipe shall be flush with the sidewall.

There shall be one sump as standard per tank. The sump shall be recessed into the tank floor and be a minimum of 1/4" deep.

There shall be two standard outlets located on the same vertical plane on the driver's side rear tank wall. One (1) 3" FNPT suction fitting and one (1) 1-1/2" FNPT tank fill with flow deflector.

The cover shall incorporate two (2) mounting blocks that shall be slotted to accommodate two (2) each 3/8" - 16 threading sliding fasteners. These mounting blocks shall be welded to the covers running from the rear edge of the tank forward.

The UPF Defender 2CE shall have provisions on the tank for mounting both front and rear to secure the tank to the skid base.

## **TANK DRAIN**

There shall be a 1" FNPT female tank drain located on the rear tank wall towards the passenger side with a 1" stainless steel plug.

## **VISUAL WATER TANK SIGHT LEVEL GAUGE**

There shall be an external visual sight gauge located on the rear of the tank.

## **OPEN STORAGE COMPARTMENT**

One (1), treadbrite aluminum storage compartment shall be provided and mounted to the left side of the tank. Mounting blocks shall be provided on the side of the tank. The storage shall measure approximately 11"W x 8"H x 60"L.

The storage shall be four sides and bottom with drain holes and an open top.

## **OPEN STORAGE COMPARTMENT**

There shall be an internal storage compartment built integral with the water tank and located on the left rear side of the tank. The compartment shall be open from the top of the water tank and be approximately 29" long x 11" wide x 9" deep with two (2) 1/2" drain holes.

NOTE: This compartment may be converted to a 12-gallon foam cell.



# LOWER PLATTE SOUTH NATURAL RESOURCES DIST LINCOLN, NE

## **ALUMINUM FRAME**

A heavy duty aluminum frame shall be constructed with a combination of 2" x 2" x 1/8" square aluminum tubing and 1-1/2" x 1-1/2" x 1/4" aluminum angle supports. The frame will provide a secure means of attaching the fire pump and water tank together as one unit to be mounted onto a truck or flatbed.

## **LIFT POINTS**

There shall be four (4) lift points, one on each corner of the aluminum frame, to aid in the removal of the skid when the tank is empty.

## **12-VOLT ELECTRICAL**

All electrical components of the unit shall be wired to a terminal stud block with high temperature, copper, multi-strand, crosslink-coated wire enclosed in a protective loom.

## **WORK LIGHT**

One (1), 12-Volt LED work light shall be mounted on the tank to light up the work area. An ON/OFF switch shall be located at the rear of the skid unit.

## **12 VOLT BATTERY**

The skid unit shall have one (1) 12 volt full sized automotive battery installed. All electrical components on the skid unit shall be wired to the battery.

## **BASIC LIMITED WARRANTY**

Danko Emergency Equipment Company shall warrant to each original purchaser that the apparatus is free of defects in material and workmanship for a period of one (1) year.

## **STAINLESS STEEL PLUMBING WARRANTY**

Danko Emergency Equipment Company shall warrant to each original purchaser that the apparatus stainless steel plumbing shall be free of defects for a period of ten (10) years.

## **NO DELIVERY**

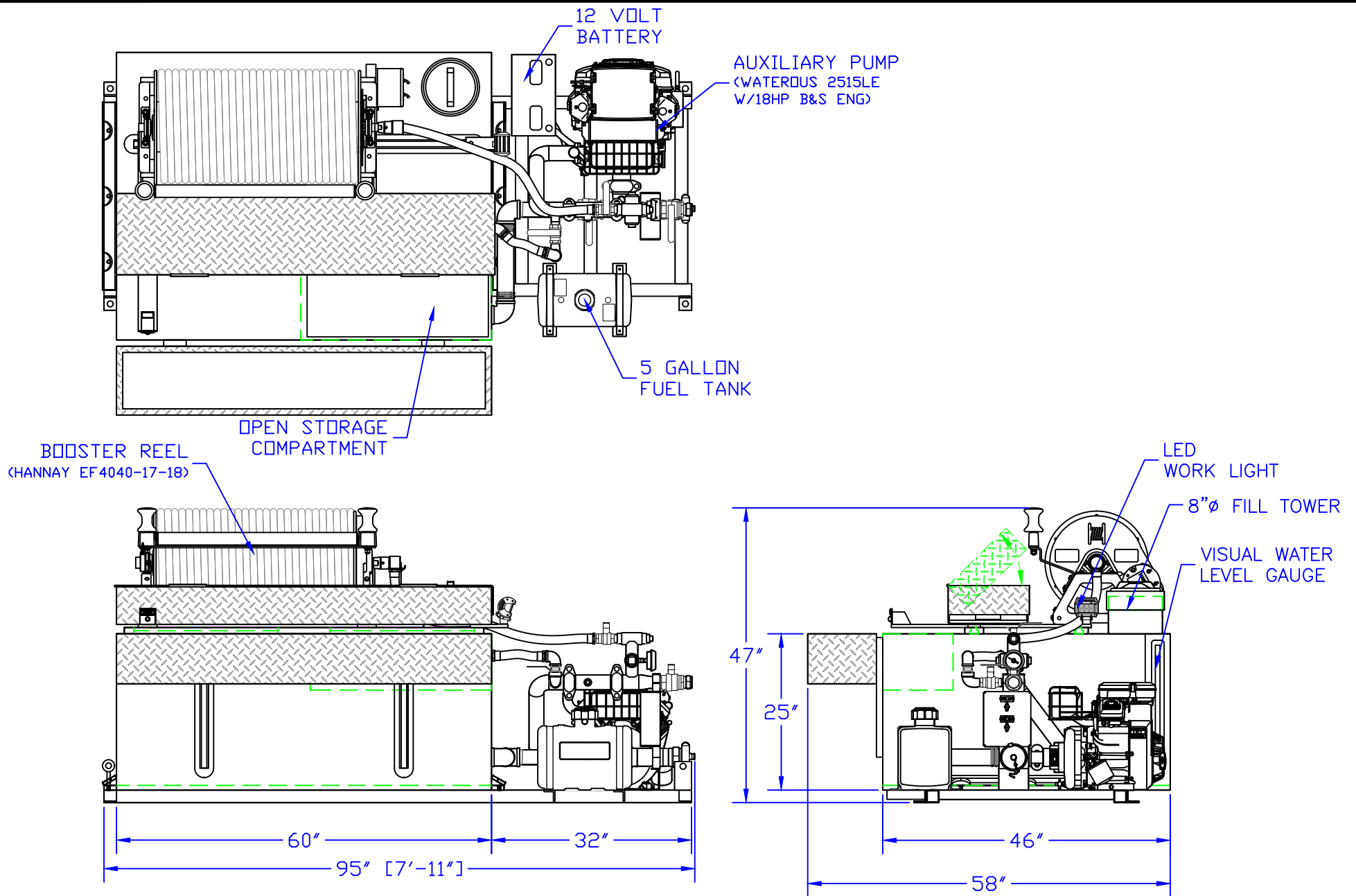
The unit shall be picked-up by the purchaser at the factory FOB Snyder, NE unless other arrangements are made.

## **EQUIPMENT**

### **NOZZLE**

One (1) Akron Turbojet nozzle(s), model 1702 with pistol grip, shall be provided. The 1" Turbojet nozzle(s) has multiple flow settings for optimum operator flow control.

Flow settings can be adjusted between 13-25-40-60 GPM.



# SALES DRAWING

## SKID UNIT

Document Page #10



PUMP: Waterous 2515LE w/18HP B&S Eng  
 TANK: 250 Gallon Defender 2CE Poly  
 FOAM: n/a  
 BODY: n/a  
 CHASSIS: n/a

FILE NAME: Clients\Skid\

ID: BID-6726

DRAWN BY: CTK

SCALE: BEST FIT

LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT  
 LINCOLN, NE

DIMENSIONS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE AS MAY BE FOUND NECESSARY DURING CONSTRUCTION. MINOR DETAILS MAY NOT BE SHOWN TO RETAIN CLARITY WITHIN THE DRAWING. THE DRAWING IS FOR REFERENCE PURPOSES ONLY. SPECIFICATIONS SHALL BE THE FINAL AUTHORITY OF WHAT IS SUPPLIED ON THE APPARATUS.

DATE: 11/01/2022

PAGE 1 OF 1



**DANKO EMERGENCY EQUIPMENT COMPANY**  
**One (1) Year Basic Warranty**

Danko Emergency Equipment Co. ("Danko") warrants to each original purchaser that the Danko manufactured apparatus shall be free of all defects in both material and workmanship for a period of one (1) year beginning on the day the serial number is assigned (apparatus completion date backwards). This warranty only applies to Danko manufactured items. Any other item not manufactured by Danko and has a manufacturer's warranty, will need to be warrantied through the manufacturer according to their warranty provisions. The customer is responsible to follow the manufacturer's guidelines and warranty process to receive any type of warranty consideration on those items covered under the manufacturer's warranty.

Danko's sole obligation under this warranty shall be, without charge to the original purchaser and as determined by Danko, which repairs or replacement shall be performed by either Danko at its principal place of business or at a repair facility selected by Danko. This warranty shall cover only the labor for repair or replacement which Danko deems is reasonably necessary.

Any labor time or amounts, which are in excess of those deemed reasonably necessary or to be deemed excessive by Danko, shall not be covered under this warranty. In lieu of 3<sup>rd</sup> party repairs, Danko will pay up to \$75.00 per hour labor rate for either inhouse or mobile repairs. Danko does not pay for diagnostic time, travel time, overnight stays, meals, or fuel for warranty repairs. Those costs are the responsibility of the customer for either a Danko or Manufacturer's approved warranty repair. All repairs must be expressly approved by Danko's warranty department. Before any warranty repair is started or warranty part ordered, the customer or repair facility must first submit an estimate for approval of the repair or part needed to the Danko warranty department. Failure to obtain approval for repairs or replacements from Danko or to have the apparatus or item repaired or replaced at Danko or a place designated by Danko shall void this warranty. Any repair or replacement performed by Danko pursuant to this warranty shall be warrantied under this warranty only for the duration of the original warranty.

This warranty is non-transferable and terminates upon transfer of ownership, lease, or disposition of the apparatus from the original purchaser to any other person or entity.

Overview of Danko's obligation to render any performance under this warranty is subject to the following conditions:

- The claimed defect must manifest itself during the warranty period.
- The original purchaser must notify Danko of the claimed defect within thirty (30) days after the claimed defect manifests itself to the original purchaser.
- The claimed defective item or items must be returned to Danko or Danko's designee immediately after notification to Danko with transportation charges pre-paid, unless otherwise directed by Danko. Danko shall have the unconditional right to thoroughly examine the claimed defects, including the apparatus and any part thereof, prior to conducting or approving any repair or replacement to determine whether the claimed defect is covered by this warranty. The failure of Danko to conduct any such examination shall not be deemed to be a waiver of Danko's right to deny warranty coverage.
- Any defect which is covered by this warranty shall be limited in cost and manner of repair as set forth above.
- This warranty is limited to the exterior surface of the apparatus.
- This warranty is effective only under normal operating use and conditions.

Overview of this warranty's exclusions are as follows:

- Damage or corrosion due to improper use, improper maintenance, unauthorized alteration to the apparatus or repairs, chemical deterioration, accidents, acts of God, or operation beyond rated capacity.
- Any liability for direct or indirect damages or delays resulting from any defects, including but not limited to, special, incidental, or consequential damages, loss of use, and loss of profits.
- The cost of transporting original purchaser's apparatus or item to or from Danko's production facility, any repair facility, or department's location for inspection of repair including, but not limited to, the costs of unloading or reloading any apparatus or any item.
- Ordinary maintenance services or adjustments.
- Replacement of any ordinary maintenance items, including but not limited to, filters, screens, lubricants, and light bulbs.
- Any item which is manufactured by any person or entity other than Danko, which is separately warranted in any manner by said person or entity.
- Damages incurred during transportation to or from the facility.
- Claims submitted without proper warranty approval.

This warranty is absolutely void if Danko determines that the apparatus or any item has been misused, neglected, altered, overloaded, loaded beyond specified compartment weights limits, loaded to a state of excessive imbalance, or damaged. In addition, this warranty is void if Danko determines that the original purchaser has misrepresented or concealed any material fact in connection with this warranty claim, or that the apparatus or item has been damaged in an accident or by an act of God, or that the defect is attributable to any use by the original purchaser of the product which is contrary to the intended use for which the product was manufactured or designed by Danko.

This warranty is expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for use for a particular purpose and also includes, but not limited to, warranties of all other representations to the original purchaser and any other obligations or liabilities whatsoever, including, but not limited to, any obligation or liability for special, incidental, or consequential damages. Danko neither gives, assumes, nor authorizes any other person to give or assume any other warranty, obligation, or liability on Danko's behalf, unless expressly given or assumed in writing by Danko.

Performance of repairs or replacement of parts under the terms set forth herein are the exclusive remedies afforded to the purchaser and neither Danko nor any of its distributors or agents shall be liable for any breach of warranty in the amount exceeding the purchase price of the defective apparatus equipment of item. This warranty shall not be extended, altered, or varied except by written agreement signed by Danko and the original purchaser.

Danko reserves the right to make changes in design of and/or improvements on its products or to change specifications on materials as it may deem desirable at any time without imposing any obligations on itself to make corresponding changes or improvements in or on its products theretofore manufactured. Only the Danko apparatus and its components manufactured by Danko are bound by this warranty. If any parts, components, diagnostic time, labor, or trip associated costs are incurred for warranty repairs of other manufacturer's parts or equipment, and those costs are not covered by a manufacturer's warranty, those costs will be the responsibility of the end user.

Any surety bond, if required, shall apply only to the basic one (1) year warranty and not to any other extended warranty or warranties made by Danko or any of Danko's suppliers.



**DANKO EMERGENCY EQUIPMENT COMPANY**  
**Ten (10) Stainless Steel Plumbing Warranty**

Danko Emergency Equipment Co. ("Danko") warrants to each original purchaser that the Danko manufactured apparatus shall be free of all defects in both material and workmanship for a period of ten (10) years beginning on the day the serial number is assigned (apparatus completion date backwards). This warranty only applies to Danko manufactured items. Any other item not manufactured by Danko and has a manufacturer's warranty, will need to be warranted through the manufacturer according to their warranty provisions. The customer is responsible to follow the manufacturer's guidelines and warranty process to receive any type of warranty consideration on those items covered under the manufacturer's warranty.

Danko's sole obligation under this warranty shall be, without charge to the original purchaser and as determined by Danko, which repairs or replacement shall be performed by either Danko at its principal place of business or at a repair facility selected by Danko. This warranty shall cover only the labor for repair or replacement which Danko deems is reasonably necessary.

Any labor time or amounts, which are in excess of those deemed reasonably necessary or to be deemed excessive by Danko, shall not be covered under this warranty. In lieu of 3<sup>rd</sup> party repairs, Danko will pay up to \$75.00 per hour labor rate for either inhouse or mobile repairs. Danko does not pay for diagnostic time, travel time, overnight stays, meals, or fuel for warranty repairs. Those costs are the responsibility of the customer for either a Danko or Manufacturer's approved warranty repair. All repairs must be expressly approved by Danko's warranty department. Before any warranty repair is started or warranty part ordered, the customer or repair facility must first submit an estimate for approval of the repair or part needed to the Danko warranty department. Failure to obtain approval for repairs or replacements from Danko or to have the apparatus or item repaired or replaced at Danko or a place designated by Danko shall void this warranty. Any repair or replacement performed by Danko pursuant to this warranty shall be warranted under this warranty only for the duration of the original warranty.

This warranty is non-transferable and terminates upon transfer of ownership, lease, or disposition of the apparatus from the original purchaser to any other person or entity.

Overview of Danko's obligation to render any performance under this warranty is subject to the following conditions:

- The claimed defect must manifest itself during the warranty period.
- The original purchaser must notify Danko of the claimed defect within thirty (30) days after the claimed defect manifests itself to the original purchaser.
- The claimed defective item or items must be returned to Danko or Danko's designee immediately after notification to Danko with transportation charges pre-paid, unless otherwise directed by Danko. Danko shall have the unconditional right to thoroughly examine the claimed defects, including the apparatus and any part thereof, prior to conducting or approving any repair or replacement to determine whether the claimed defect is covered by this warranty. The failure of Danko to conduct any such examination shall not be deemed to be a waiver of Danko's right to deny warranty coverage.
- Any defect which is covered by this warranty shall be limited in cost and manner of repair as set forth above.
- This warranty is limited to the exterior surface of the apparatus.
- This warranty is effective only under normal operating use and conditions.

Warranty inclusions are:

- Discharge/intake plumbed to water pump
- Dump valve plumbing
- Crosslay/hose Bed preconnect plumbing
- All stainless steel plumbing that is provided by Danko Emergency Equipment Company

Overview of this warranty's exclusions are as follows:

- Damage or corrosion due to improper use, improper maintenance, unauthorized alteration to the apparatus or repairs, chemical deterioration, accidents, acts of God, or operation beyond rated capacity.
- Any liability for direct or indirect damages or delays resulting from any defects, including but not limited to, special, incidental, or consequential damages, loss of use, and loss of profits.
- The cost of transporting original purchaser's apparatus or item to or from Danko's production facility, any repair facility, or department's location for inspection of repair including, but not limited to, the costs of unloading or reloading any apparatus or any item.
- Ordinary maintenance services or adjustments.
- Replacement of any ordinary maintenance items, including but not limited to, filters, screens, lubricants, and light bulbs.
- Any item which is manufactured by any person or entity other than Danko, which is separately warranted in any manner by said person or entity.
- Damages incurred during transportation to or from the facility.
- Claims submitted without proper warranty approval.

This warranty is absolutely void if Danko determines that the apparatus or any item has been misused, neglected, altered, overloaded, loaded beyond specified compartment weights limits, loaded to a state of excessive imbalance, or damaged. In addition, this warranty is void if Danko determines that the original purchaser has misrepresented or concealed any material fact in connection with this warranty claim, or that the apparatus or item has been damaged in an accident or by an act of God, or that the defect is attributable to any use by the original purchaser of the product which is contrary to the intended use for which the product was manufactured or designed by Danko.

This warranty is expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for use for a particular purpose and also includes, but not limited to, warranties of all other representations to the original purchaser and any other obligations or liabilities whatsoever, including, but not limited to, any obligation or liability for special, incidental, or consequential damages. Danko neither gives, assumes, nor authorizes any other person to give or assume any other warranty, obligation, or liability on Danko's behalf, unless expressly given or assumed in writing by Danko.

Performance of repairs or replacement of parts under the terms set forth herein are the exclusive remedies afforded to the purchaser and neither Danko nor any of its distributors or agents shall be liable for any breach of warranty in the amount exceeding the purchase price of the defective apparatus equipment of item. This warranty shall not be extended, altered, or varied except by written agreement signed by Danko and the original purchaser.

Danko reserves the right to make changes in design of and/or improvements on its products or to change specifications on materials as it may deem desirable at any time without imposing any obligations on itself to make corresponding changes or improvements in or on its products theretofore manufactured. Only the Danko apparatus and its components manufactured by Danko are bound by this warranty. If any parts, components, diagnostic time, labor, or trip associated costs are incurred for warranty repairs of other manufacturer's parts or equipment, and those costs are not covered by a manufacturer's warranty, those costs will be the responsibility of the end user.

Any surety bond, if required, shall apply only to the basic one (1) year warranty and not to any other extended warranty or warranties made by Danko or any of Danko's suppliers.

# Wildland Pumper Skid Unit Request for Bids

## Lower Platte South Natural Resources District

C/O: Will Inselman  
3125 Portia St  
Lincoln, NE 68521  
402-432-5727  
winselman@lpsnrd.org

**Scope:** The **fire-fighting skid unit** shall be latest, current model under standard production at the time order is written. The units are to be equipped as regularly advertised and manufactured. All necessary parts for satisfactory operation shall be furnished whether or not they are specifically mentioned below. Complete detailed specifications or advertising data sheets with cuts or photographs shall be attached to proposal of identical unit processed. Any information necessary to show compliance with these specifications not given on advertising data sheets shall be supplied in writing and attached to bid proposal. The unit will be picked up by LPSNRD staff, ready for satisfactory operation and shall comply with the following minimum requirements.

**Bid Due Date:** COB on November 17, 2022. Please mail or email bids to Will Inselman at the address above. Please call or email if you have any questions.

**The District reserves the right to reject any or all bids and to waive any informalities in the bidding.**

### Specifications

**Engine:** 20HP Honda V-twin air-cooled engine mounted to pump  
3-gallon minimum fuel tank with pump

If other, please specify make and model: \_\_\_\_\_  
\_\_\_\_\_

**Pump:** Waterous 2515LE  
Performance Capacity: 50 GPM @ 145 PSI  
100 GPM @ 130 PSI  
50 GPM @ 95 PSI

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_

**Operator Panel:** Shall be mounted to frame and include the following:

1. Discharge Pressure Gauge
2. Low Oil Pressure Gauge
3. Start & Stop Control

4. Speed Control
5. Panel Light
6. Low pressure pump cut-off switch

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_

**Frame:** Heavy duty aluminum frame constructed combination of 2”X2”X1/8” square aluminum tubing & 1-1/2”X 1-1/2” X 1/4” aluminum angle supports

Four (4) lift eyes located on each corner of aluminum frame OR raised frame to allow skid steer forks underneath unit for lifting.

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_

**Plumbing:** Shall be heavy-duty stainless-steel pipe fittings and high pressure rubber hose All discharge and intake adapters to be brass chrome

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_

**Tank to Pump:** One (1) tank to pump gate valve shall be 2” full flow, quarter turn ball, swing-out type valve with flexible hose to reduce vibration of engine

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_

**Pump to Tank/Recirculate:** One (1) 1” tank fill or recirculate line with a 1” quarter- turn ball valve plumbed directly from the pump discharge to tank with flexible hose to reduce vibration of the pump engine.

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_

**Inlet:** One (1) 2-1/2” NH male inlet to the pump & tank with 2-1/2” NH Chrome cap & chain

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_

**Pre-connect Discharge:** One (1) 1-1/2” NH gated discharge pre-connect outlet(s) with 1-1/2” quarter-turn ball valve(s) to be located at the rear of the unit near the hose bed(s).

If other, please specify: \_\_\_\_\_  
\_\_\_\_\_



**Reel & Booster Hose:** Hannay model EF4040-17-18 steel electric booster reel(s), with a capacity of 150' of 1" booster hose

One (1), 1" x 150' of 300lb. minimum high pressure booster hose with 1" NH couplings shall be supplied

Shall include one (1) 1" turbojet pistol grip nozzle with selectable gallonages of 13-25-40-60 GPM, adjustable to stream and fog, with ball shut off

If other, please specify: \_\_\_\_\_

**Booster Tank:** Water tank shall be a UPF Defender 2C series tank or equivalent with 250 gallon. Approx. dimensions (60L X 46W X 26H)

Tank shall have a minimum of three (3) standard tank connections located in rear wall: One (1) 2" NPT female tank to pump suction fitting, one(1) 1" NPT female tank fill/recirculate fitting, and one (1), 3/4" NPT female drain opening.

If other, please specify: \_\_\_\_\_

**Pump Work Light:** One (1) 12-volt work light with on/off switch shall be mounted on the unit to light the work area.

If other, please specify: \_\_\_\_\_

**Miscellaneous:** One (1) aluminum storage compartment located on one (1) side of the tank used for hose or equipment storage with drain holes.

A self-contained 12-volt battery shall be mounted to the unit with appropriate wiring for engine starter, hose reel and 12-volt work light

If other, please specify: \_\_\_\_\_

**Manuals:** Operation manual must be furnished at the time of pickup

If other, please specify: \_\_\_\_\_

## **FYR-TEK SPEC**

11-4-22

One (1) **ALUMINUM SKID FRAME**

The frame shall be constructed of aluminum using 4" channel for the side rails and 3" x 4" x 1/4" angle for cross supports. Additional 2" x 2" x 1/4" angle shall be added for additional support to meet tank manufactures recommendations. The pump platform shall be covered with 3/16" aluminum tread plate.

There shall be Heavy duty lifting hooks installed in each corner of the skid frame.

Unit Shall Be Built To Fit In A 48" X 94" Pickup Box

One (1) **BOOSTER TANK:**

Defender 2C

The Polypropylene booster tank shall be constructed of 1/2" thick, UV resistant, non-corrosive, stress relieved polypropylene and shall be rectangular in shape. All joints and seam are nitrogen welded.

Swash partitions shall be installed with vent and air hole openings at top and bottom, to permit movement of air and water between baffled compartments. The longitudinal swash partitions are constructed of 3/8" thick polypropylene and shall extend from the floor of the tank to the underside of the top cover. All swash partitions shall interlock with each other and are welded to the floor, tank sides, and to each other at their intersection.

A combination vent and fill tower constructed of 1/2" polypropylene shall be installed at the rear of the tank to facilitate easy filling of the tank. A hinged cover and a 1/4" polypropylene screen shall be installed. The vent shall be a 3" schedule 40 polypropylene pipe installed to serve as an overflow and shall discharge under the truck behind the rear wheels.

The tank cover is constructed of 1/2" Polypropylene. The tank cover will be recessed 3/8" from the top of the tank and will be welded to both sides and longitudinal baffles.

A sump shall be installed near the tank bulk head. Sump bottom shall be ¾" polypropylene. An anti-swirl plate shall be installed inside the sump approximately 1" off floor.

A liquid level gauge of white polypropylene shall be installed at the rear of the tank and shall allow operator to view liquid level in tank at a glance.

There will be two (2) standard tank fittings: one shall be for the tank to pump suction line and one shall be for the tank refill line. All tank fill couplings will be backed with flow deflectors to break up the stream of water entering the tank.

The tank shall be securely attached to apparatus body. Tank shall be removable without disturbing or dismantling the body structure.

The tank shall have a capacity of 250 U.S. gallons of water .

Tank warranty "No Fault Life Time Warranty" shall be enclosed and made part of this specification.

ONE (1)      **WATEROUS PB18-2515 FIRE PUMP**

Designed as combination pump, the durable and powerful Waterous PB18-2515 is direct drive centrifugal pump, delivering The 75 GPM @ 135 PSI (290 L/min @ 9.3 bar) to 150 GPM @ 90 PSI (600 L/min @ 6.5 bar).

One (1)      **ENGINE**

The pump engine shall be a Honda twin cylinder, 20.5 hp electric start, Model GX630RQZB3. The engine shall have pressure lube and lube filter. It shall have a VHLM4 muffler and heat shield.

One (1)      **CONTROL**

The following controls shall be installed at the pump operator's position:

1. Throttle, choke and start switch
2. Work light switch
3. Pressure gauge

One (1)

**PRIMER**

The primer shall be a manual diaphragm type with a shut off valve at the pump. The primer shall enable the operator to prime the pump even though the engine may not be running, which will enhance pump seal life.

One (1)

**DISCHARGE MANIFOLD**

A Stainless Steel square tubing discharge manifold shall be installed at the pump discharge to insure good flows to all discharges.

One (1)

**SUCTION INLET**

A 2 ½" suction inlet shall be provided complete with NST chrome cap and chain. This inlet will allow for rapid filling of tank from hydrant. It will also allow operators to pump from hydrant or from draft.

One (1)

**PUMP TO TANK FILL LINE**

A 1" pump to tank line having a Watts 1" valve shall be controlled at the pump operator's position.

One (1)

**TANK TO PUMP**

One (1) 2" tank to pump line, having an Watts 2" valve controlled at the pump operator's position shall be provided with a push-pull valve control handle installed to close the tank to pump line and permit drafting.

One (1)

**DISCHARGE VALVE**

A 1" discharge shall be provided. Discharge shall be controlled by an Watts 1" inline valve. The valve shall be controlled at the pump operator's position. A 1" Male NST adapter and chrome 1 ½" cap and chain shall be installed.

One (1)

**DISCHARGE VALVE**

A 1 ½" discharge shall be provided. Discharge shall be controlled by a Watts 1 ½" inline valve. The valve shall be controlled at the pump operator's position. A 1 ½" Male NST adapter and chrome 1 ½" cap and chain shall be installed.

One (1) **AUXILLIARY 5 GALLON FUEL TANK**

An auxiliary fuel tank shall be provided and installed. This fuel tank shall have a capacity of carrying 5 gallons of fuel to operate the pump engine.

One (1) **12-VOLT ELECTRICAL**

All electrical equipment to be installed with high temperature, copper, multi-strand, crosslink-coated wire. Wiring to be color coded and function labeled every 3". All wiring to protected by automatic circuit protection, and protective loom shall be used throughout the system.

There shall be a battery with wiring to hook to that battery.

One (1) **OPERATOR'S LIGHT**

A 12 volt light shall be furnished to illuminate the pump operator's panel for night operation.

One (1) **Reel**

There shall be one Hannay EF4040-17-18 reel with dual roller guides reel shall be mounted on the top of the tank, there shall be 1" plumbing with a shutoff to the reel from the pump operators position . Hose reel shall have Qty (2) hose reel remind switches shall be supplied and installed in customer location. There shall be 150' x 1" hose with an Ally 13-25-40-60 GPM pistol grip nozzle on the reel.

One(1) **HOSE TRAY**

There shall be one hose tray big enough to hold 150' of 1 3/4" hose. The hose tray shall have a hinged tread bright cover with rubber straps and there shall be dri decking installed in the floor of the hose tray.

**SERVICE CENTER**

FYR-TEK, 715 4<sup>TH</sup> ST. , GOTHENBURG NE 69138



# FYR-TEK

**SALES AND SERVICE OF FIRE AND RESCUE EQUIPMENT**

November 4, 2022

**Lower Platte South Natural Resources District**

We propose to furnish ONE (1) 250-gallon FYR-TAK unit as per specifications.

**FYR-TEK QUOTE: \$19,750.00**

**TERMS:**

- **TOTAL DUE UPON DELIVERY**

Quotation is valid for 15 days. Federal, State, And Local Taxes are not included.

RESPECTFULLY SUBMITTED,

*Chad R. Sitorius*

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(800) 473-8903 • 715 4<sup>th</sup> Street • Gothenburg NE 69138 • email: [sales@fyrtex.us](mailto:sales@fyrtex.us)