

Decontamination unit specifications

Specifications for Decontamination/Recovery System with Trailer

These are the specifications that were used to get bids for the current state contract. They were based on a specific model that is referenced in the specifications but the unit does not need to be this specific make or model.

Scope of Project:

Self contained decontamination system that includes pressure washer, trailer with water tank(s), containment mat, underlayment pad (if applicable), vacuum recovery system, and decontamination attachments. The water recovery system is powered by a generator mounted on the trailer; no external power source required. Accessories and parts should be contained/stored within the trailer. Unit Price must include all costs associated with the tanks, trailer and accessories. Vendors must be an authorized dealer or reseller(s) for the product requested. The state will reject any unit that is substandard in quality, workmanship, or craftsmanship.

New 400 Gallon Unit - Minimum Pressure Washer/Generator/ Tank (trailer mounted)

Make: LANDA Model: ECOS 7000 or agency approved alternate, if bidding alternate include all pertinent information.

Pressure: adjustable, with maximum pressure between 3000 and 3500 PSI

Flow: 4.5 GPM

Water supply tank size: 400 gallon (Preferred with baffles or another system to reduce water movement.

Water supply tank: Seamless polyethylene with baffles

High-pressure hose Length: 100 ft.

Hose Type: 3/8", 4000 psi, 250 degree rated

Spray gun operation: trigger

Wash Wand: Adjustable pressure (down to 1500 PSI)

Wash wands: (1) 48 inch

Burner fuel type: diesel

Output water temperature range: 100-210F

Hose reels: 2 – the second hose reel is for the inlet fill reel for fresh water, with 100 ft. hose to fill tank

Generator: 2900 Watt, 115v

Generator Engine Fuel Type: gasoline

Generator Engine Fuel Capacity: 8 gal.

Generator Engine ignition: Electric

Generator Engine horsepower: 18

Generator Battery: 12V

Reclamation System Specifications – (pad listed separate)

Wash water reclamation system:

Collect, filter, and reuse wash water; Vacuum pump that recovers 5gmp, 120V/8.6 amp or equivalent) powered by on generator.

Vacuum hose - 2 inch diameter by 50 ft.

Multi Stage Filter System: Filters down to a maximum nominal pore size: 5 micron

Trailer Standards

All products must be delivered to the DNR with MSO/Titles and inventory sheets, if applicable.

Trailer must meet or exceed all current Minnesota and Federal Motor Carrier Safety Regulations.

Tandem Axle - minimum 7,000 lb. capacity - or to pull trailer at full capacity with tank filled.

Maximum weight with equipment and filled tank must not exceed GVWR - It's important not exceed the manufactures Axle ratings (GAWR)

What is the GVWR for this unit?

If GVWR is greater than 5,000 lbs, appropriate couple required - 2 inch ball coupler with adjustable pintel hitch

Four 15 inch Steel Wheels (or appropriate for trailer size and weight)

Four ST205/75/R15 radial tires (or appropriate for trailer size and weight)

Type D style tires

Matching spare tire and wheel mounted on bracket

Adjustable drop leg tongue jack w/footplate sized to accommodate weight and design of unit.

12 GA fenders capable of being a step

Safety chains with snap hooks appropriately rated for trailer and load.

7- Spade RV electrical connector (must be hardwired, no adapters allowed)

All trailer lighting must be LED's and meet or exceed Federal, DOT and MN DOT requirements.

Trailers with a GVWR of 3,000 lbs or more require brakes on all wheels as well as breakaway brakes.

- If equipped with electric brakes must include battery
- If equipped with surge brakes must include a reverse release lever/switch/pin

Conspicuity Tape

Trailer hubs must be equipped with stainless steel bearing buddies; EZ-lube, or an oil bath system.

(Either system must include protective covers, if applicable);

MSO must be included with delivery. Failure to provide MSO/Titles and inventory sheet with

O.E.M description and part numbers may result in refusal of delivery.

All equipment must be delivered with the line setting ticket or parts inventory sheet with the O.E.M. part numbers and descriptions and part number for every part used during the final build at the factory.

Trailer must be complete and ready to operate

Trailer should include an accessory storage areas (for wand, vacuum hoses, and other accessories) - Should be large enough to prevent damage to vacuum hose when coiled

Minimum Accessories to be included

Attachments for decontamination

Short hose 3ft- connects handle to diffuser, muffs and fake a lake.

Diffuser- low pressure hose end fitting that connects to short hose.

Muffs: low pressure, used to apply water to engine intakes and connects to short hose. Two sizes, large and medium.

Fake a Lake - low pressure, connects to short hose, with extending (shortest length 1' to longest length 3')

Under trailer sprayer with coasters preferred

Containment Pad

Containment Pad, if bidding alternate include all pertinent information.

Durable Portable Wash water containment pad – Not to exceed 100 lbs by weight

Approximately 12 ft by 24 ft, with a 4-6 inch berm to hold water; Poly product with UV protection;

Geo-textile ground protection pad (waterproof) - Not to exceed 100 lbs by weight; if it's a part of the containment pad the combined weight may not exceed 100 lbs by weight

One Repair kit for each type of pad;
One year warranty on containment and Geo textile protection pads, parts, labor and all costs associated with the repair or replacement

Pricing for Additional Supplies and Accessories

Vacuum hoses: 50 Foot hose:

Short hose: 3 foot hose that connects handle to diffuser:

Diffuser: low pressure hose end fitting that connects to short hose

Filters: types necessary for system

Muffs: low pressure, used to apply water to engine intakes; heavy duty clamp with spacer for when stored

Large Muffs:

Medium Muffs:

Fake a Lake: low pressure, connects to short hose, with extending (shortest length 1' to longest length 3')

Under trailer sprayer with turbo nozzle and coasters or other glides preferred

List prices for additional related accessories not listed in this solicitation:

Warranty

Minimum of 1 year parts & labor warranty. All equipment and parts must be new, no refurbished equipments of parts. One year warranty for failure of equipment with normal wear and tear.

Training and Manual

The cost of the equipment must include training to the customer that includes, but is not limited to, equipment operating instructions, product demonstration (prior to award, if applicable) and safety instructions. All applicable parts, service, operator manuals (either Paper or CD format), to be included at no additional charge.

Additional Decontamination/Recovery System with Trailer

Vendor may bid smaller gallon size decontamination/recover systems (no less than 200 gallon), however they must meet minimum specifications. If bidding smaller gallon unit trailer must meet or exceed all current Minnesota and Federal Motor Carrier Safety Regulations.

Equipment Insurance Required