



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
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The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 2

List View

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#)

Procurement Folder: 293705

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 1400

Vendor ID: VS0000011203

SO Doc ID: AGR1700000009

Legal Name: Air Burners, Inc.

Published Date: 1/23/17

Alias/DBA:

Close Date: 2/7/17

Total Bid: \$40,601.05

Close Time: 13:30

Response Date: 01/25/2017

Status: Closed

Response Time: 8:02

Solicitation Description: Trench/Air Curtain Burner

Total of Header Attachments: 2

Total of All Attachments: 2



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder : 293705
Solicitation Description : Trench/Air Curtain Burner
Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2017-02-07 13:30:00	SR 1400 ESR01231700000003372	1

VENDOR
VS0000011203 Air Burners, Inc.

Solicitation Number: CRFQ 1400 AGR1700000009

Total Bid : \$40,601.05 **Response Date:** 2017-01-25 **Response Time:** 08:02:28

Comments:

FOR INFORMATION CONTACT THE BUYER
 Linda Harper
 (304) 558-0468
 linda.b.harper@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Trench/Air Curtain Burner	1.00000	EA	\$38,551.750000	\$38,551.75

Comm Code	Manufacturer	Specification	Model #
41102401			

Extended Description : Trench/Air Curtain Burner per attached specifications

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Freight	1.00000	EA	\$2,049.300000	\$2,049.30

Comm Code	Manufacturer	Specification	Model #
78121603			

Extended Description : Freight



TRENCH BURNER SPECIFICATIONS

T-300



A trailer mounted air curtain burner system that has been designed and engineered to provide over-the-road transportability, offering the operator the flexibility of reducing land clearing or clean construction waste on-site as opposed to hauling the waste to a fixed processing or dumping location or chipping it at high cost and possibly hauling it as well.

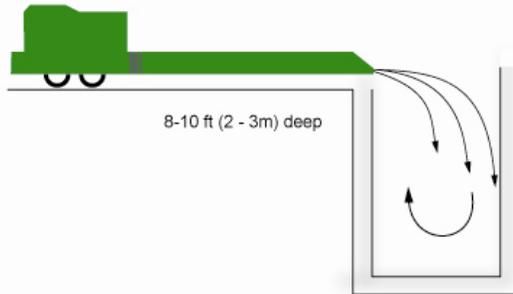
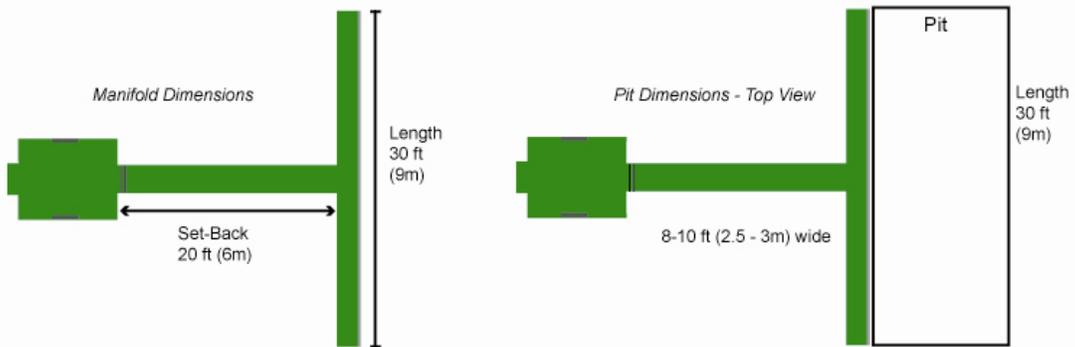
1	Power	Four cylinder Diesel Engine 56 HP (Kubota V2304 -TE) or equivalent engine), full enclosure; security locks around power source; Emission certified US EPA Tier3. Engine mounted PTO (Power take-off) with multi-belt drive
2	Instrument Panel	Start/Stop key switch, tachometer, hour meter, oil pressure and water temperature indicators with safety shutdown feature and adjustable locking throttle; lockable instrument panel
3	Safety Systems	Engine over temperature shut down; Loss of cooling fluid shutdown; Loss of oil pressure shutdown
4	Air Supply	Custom heavy duty air fan
5	Carrier Pipe	The Carrier Pipe protects the trailer from fire damage by providing a “set-back” between the trailer and the burn trench; 20' (≈6 m) long carrier pipe, fully assembled, easily extends and retracts from trailer
6	Manifold Dimensions	Manifold Length: 30' (9 m)
7	Average Through-put	8 Tons per Hour (Average – See Note)
8	Fuel Consumption	Approx. 2.5 Gal/Hr (9.5 L/Hr)
9	Weight	6,500 lbs. (2,950 kg); Tongue Weight: 750 lbs (340 kg)
10	Miscellaneous	45 gallon (170L) minimum fuel tank capacity Manual winch to assist with retraction of manifold assembly
11	Transportation	Fully welded steel trailer, dual axles with electric brakes on both axles; Full trailer lighting; Hitch: Both Pintle and 2 ⁵ / ₁₆ inch ball (convertible)
12	Dimensions	Length 28' 10" 8.80 m Width 8' 2" 2.50 m Height 6' 10" 2.10 m

Note: Achievable through-put depends on several variables, especially the nature of the waste material, the burn chamber temperature and the loading rate. All weights and dimensions are approximate and metric conversions are rounded. Subject to change without notice.

AIR BURNERS, INC.

4390 Cargo Way, Palm City, FL 34990
Phone 772-220-7303 - FAX 772-220-7302
E-mail: info@airburners.com - www.airburners.com

T-300 TRENCH CONFIGURATION



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Trench Burner

www.AirBurners.com

An Environmentally Friendly Alternative to Grinding



Additional Benefits Include:

- Low capital investment
- High mass reduction 95 to 98% waste reduction (100 tons of wood = 2 - 5 tons ash) increases landfill life
- High through-put up to 10 tons per hour
- Dramatically reduced operating costs when compared to grinding & trucking
- Environmentally friendly. Exceeds EPA regulations for Air Curtain Incinerators
- Ash can be used as a soil additive
- One operator can monitor and load one or two trench burners





Trench Burner vs Chipper Cost Comparison

(100 Tons)

	T-Series Air Curtain Burning	Chipping & Landfill Disposal	Direct Landfill Hauling & Disposal
OPERATING COSTS			
Fuel Cost (T-300: 10 hrs; Chipper: 6 hrs)	\$88	\$630	-
Maintenance and Repairs (T-300: \$0.60/hr; Chipper: \$16.00/hr)	\$6	\$96	-
Hauling of Residual to Landfill (50 Miles @ \$4.00/mile with 20-ton Dump Truck)	\$200 (1 load)	\$2,400 (12 loads)	\$5,000 (25 loads)
Tipping Fees at Landfill (\$30 per Ton)	\$90	\$2,940	\$3,000
Total Disposal Cost for 100 Tons	\$384	\$6,066	\$8,000

NOTES:

1. Chipper, approx. 400 HP, Diesel fuel consumption: approx. 30 gal/hr. Diesel fuel at \$3.50/gal.
2. Chipping process and chip handling produces large amounts of particulate matter (PM) in the form of wood dust that can cause serious illness in exposed workers. Wood dust is a proven carcinogenic (cancer-causing). Chipping losses, mostly in form of wood dust, are approximately 2% or 2 tons in this example. Only 98 tons of wood chips are deposited into the landfill.
3. Air Curtain Burner residual is 3 tons of ash, hauled by 1 truck, but is usually land-applied on site; Chipper residual yields no weight reduction, but does provide significant volume reduction. In this example, waste is hauled by at least 12 trucks, each carrying approximately 22 cubic yards or 5 – 6 tons.
4. The T-300 is a portable in-ground trench burner that can easily be moved with a standard 3/4 ton pick up truck. See www.AirBurners.com

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