



## FOREST SLASH DISPOSAL

### Air Curtain Burning vs. Chipping vs. Landfill Dumping

	S-220 Air Curtain Burning	Chipping & Landfill Disposal	Direct Landfill Hauling & Disposal
<b>Cost of Machine</b>	\$88,500	\$201,370	-
<b>Lease-Financing Cost per Month</b>	\$1,850	\$4,300	-
<b>Rental Cost per Month</b>	\$8,500	\$17,500	-
<b>Fuel Cost (S-220: 13 hrs; Chipper: 11 hrs)</b>	\$106	\$287	-
<b>Maintenance and Repairs (S-220: \$0.60/hr; Chipper: \$14.00/hr)</b>	\$8	\$154	-
<b>Hauling of Residual to Landfill (50 Miles @ \$4.00/mile with 20-ton Dump Truck)</b>	\$200 (1 load)	\$2,400 (12 loads)	\$5,000 (25 loads)
<b>Tipping Fees at Landfill (\$30 per Ton)</b>	\$90	\$3,000	\$3,000
<b>Total Disposal Cost for 100 Tons (1 Day)</b>	\$404	\$5,841	\$8,000

**NOTES:**

1. Individual results may vary.
2. Chipper, such as Diamond Z 1136B.
3. It is assumed that chips cannot be reasonably sold for beneficial re-use.
4. Chipping process and chip handling can produce large amounts of particulate matter (PM) in the form of dust that can cause serious illness in exposed workers. Wood dust is a proven carcinogenic (cancer-causing).
5. 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.
6. Direct hauling of land clearing wood waste to landfill will require approximately 25 trucks.
7. The S-220 is a medium size above ground refractory walled firebox. Larger and smaller models and trench burners are also available. See [www.airburners.com](http://www.airburners.com).

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