

### Additional Resources on Waste Management

SWAN: Solid Waste Alaska Network  
[www.ccthita-swan.org](http://www.ccthita-swan.org)  
Your resource for information on Alaskan waste management

Waste Management in Indian Country  
[www.epa.gov/tribalmsw/](http://www.epa.gov/tribalmsw/)  
EPA's Tribal Solid Waste Management Program encourages municipal solid waste and hazardous waste management practices

AERHO: Alaska's Environmental Resources Hub Online  
[www.aerho.org/](http://www.aerho.org/)  
A place to find resources and build an online community for those who are working on environmental issues in rural Alaska.

**Tok Welding and Fabrication**  
**HC 63 Box 1313A**  
**Tok, AK 99780-9501**

**Ph: 907 590-7363**  
**Fx: 775 307-1620**  
**info@alaskanstoves.com**



**Tok Welding and Fabrication**  
**HC 63 Box 1313A**  
**Tok, AK 99780-9501**

## Your Problem



## Our Solution



## Alaska's Future



# Tok Welding and Fabrication

*Making waste management easier*



Chris Marshall, Owner of Tok Welding and design engineer of the mobile Burn Units

## RESPONSIBLE SOLID WASTE DISPOSAL

One Solution for Solid Waste disposal in Northern Communities is to reduce the volume of household trash by burning it in a safe and contained unit designed for a hotter, cleaner combustion.

The Burn Units designed and built by Tok Welding and Fabrication meet the critical needs of many users by offering two models to suit your community's requirements.

### *The Skid-mounted Unit*

has a large upper chamber and front door openings to accept larger waste loads. A backhoe is required to reposition this Burn Unit for pit maintenance.

### *The Portable Unit*

is smaller by design for communities with fewer residents. This Unit is easier to reposition and move, making it desirable for communities without access to heavy equipment.

## GOOD WASTE MANAGEMENT

Household trash is composed of approximately 35% waste paper and other wood cellulose materials, 12% plastics, and 35% organic waste, all of which will burn and reduce readily. In addition, trash also contains up of 3% glass, 5% metal, and 10% miscellaneous (such as; electronics, carpet, drywall, and furniture) some of which will safely burn and reduce.

The knack of good waste management requires *knowledge, will, and effort* when a Burn Unit is utilized. There is very little that can interfere with or harm the Burn Unit in operation (i.e., just about anything thrown into the Unit will burn and reduce). However, there are guidelines of operation that ensure responsible use. Following these guidelines will facilitate a safe, efficient, and long-lasting Burn Unit.

## RECYCLING AND SAFETY GO HAND IN HAND

There are certain safety considerations outlined in our Burn Unit Operator's Manual which must be reviewed before operation. In addition to general safety precautions in the manual, other operating considerations are covered that can:

- optimize the use of the Unit
- reduce harmful emissions into atmosphere
- reduce hazardous residue in the ash

Good operating practices of any Burn Unit include sound recycling principles. Recyclables from household waste consist of about 3% glass and 5% metals that otherwise would go into the Unit and thence into the landfill. Plastics are a petroleum product and burn well in the Unit. However, as with any petroleum product, there are potential emissions similar to the exhaust of cars and trucks. Because glass, metal and plastics are recyclable, it would be prudent for the environment and the community to operate an aggressive recycling program. A responsible community waste management program includes recycling as an adjunct to the Burn Unit.

Some items of solid waste can be disposed of by direct burial, like construction waste, such as drywall. But e-waste or electronics, (i.e. old cell phones, TV's, radios, and speakers) should be gathered and shipped out to a collection facility specializing in the proper disposal of these. E-waste should never be buried or burned. Additionally, batteries should never be placed in household trash, be buried or burned. Batteries are 100% recyclable. Many collection agencies accept all types of batteries.



Environmental considerations are always a shared responsibility.

Tok Welding and Fabrication is doing *its* part to help make *your* part easier.