



Headwaters Cooperative Recycling Inc - continued
adequate infrastructure to accommodate the addition of the glass pulverizing operation.

The State of Montana's DEQ has partnered with the Department of Transportation (MDT) resulting in the modification of road construction specifications to allow for glass cullet to be used as a soil-aggregate component. This could potentially result in a statewide market for the glass cullet.

Other partners are Yellowstone National Park, Flathead County Solid Waste District, Glacier National Park, Montana Solid Waste Contractors Association, Lake County Solid Waste District, City of Bozeman, Confederated Salish and Kootenai Tribes, RecycleMT, Montana Association of Counties (MACO), Jackson Wyoming Recycling Center, City of Great Falls, MT Public Interest Research Group and the Blackfeet Nation.

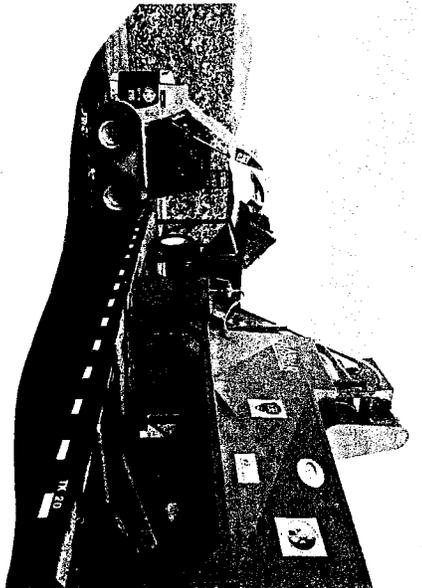
Partnerships with federal, state, tribal and local governments, as well as private industry and non-profit organizations can move recycling forward in the state, which will serve as a model, nationally. This project will encourage glass recycling and establish new markets in Montana.

For More Information

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Mobile Glass Pulverizer

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Mobile Glass Pulverizer Operating in Montana

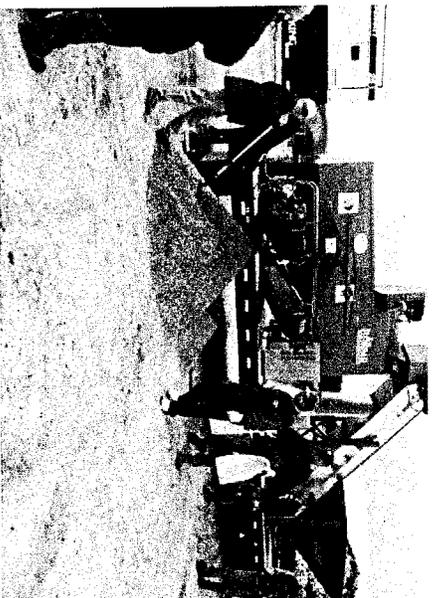
The mobile glass pulverizer will help meet the challenges of recycling glass in Montana, and surrounding states, by developing partnerships which will result in a glass processing service for a local end use. The pulverizer is mounted on a trailer with its own generator, which is powered by biodiesel. The pulverizer produces 3/8" and 1/8" minus cullet which can be marketed for a variety of applications, such as landscaping, septic drain fields, retaining wall backfill, drainpipe bedding and backfill, and road sand during the winter months.

A funding source for purchase of a mobile glass pulverizer was obtained in July 2004. It is owned and operated by Headwaters Cooperative Recycling (HCRI) and was placed in operation in May 2005. In addition to the unit being utilized

within the HCRI region, it will provide opportunities for



Mobile Glass Pulverizer



glass recycling in other communities throughout Montana and the tri-state area. Initial rollout will take place in Western Montana. Each community will own the glass cullet that is processed in their area, and they will determine its end-use. If requested, the Business and Community Assistance program of the Department of Environmental Quality (DEQ) will provide assistance to the communities for creating local markets for the glass cullet. Sponsorships and collaborative efforts are being pursued to defray the operating expenses of the glass pulverizer.

How the Glass Pulverizer Operates

The Andela mobile glass pulverizer is designed to reduce all types of glass into an aggregate. This glass-aggregate is 3/8" or 1/8" minus in size, ranging in consistency from fine sand to gravel. The pulverized glass produced does not have any sharp edges (non fractured edges) and can be

safely handled without concern of cuts or abrasions of any kind. The Andela Glass Pulverizer has a patented flexible impact system to produce this superior glass-sand product and is easy to access and maintain. The pulverizer system is unique in its ability to pulverize all types of glass, from containers to ceramics, with no need to sort colors, remove labels, plastic or metal caps. The system produces a distinctly different product - a rounded glass particle, less than 3/8" in size, which is easy to handle.

Headwaters Cooperative Recycling Inc

Headwaters will manage the logistics and operations of the mobile glass pulverizer throughout Montana. HCRI provides recycling services to 17 counties and various municipalities in Montana, Wyoming, and Idaho, in addition to a partnership with Yellowstone National Park. They are a 501C3 non-profit entity, which operates by an inter-local agreement. HCRI is the largest recycling cooperative in the United States and has

