

Minutes for Glass management, Efficiencies, and Uses
Took Place: June 6, 2023
USDA Roundtable event for SWO's and TAC members
Matt Rose, LRPC Solid Waste Planner

Lakes Region Planning Commission
103 Main Street, Suite 3
Meredith, NH 03253
603-279-5334 • Fax 603-279-0200
www.LakesRPC.org



Roundtable minutes:

14:00- meeting started.

14:10- review of TAC members minutes from previous TAC meeting

14:15- Glass Management presentation started

14:17- M Rose discussed overview of what PGA is (NH DES definition)

14:19- M Rose reviewed management styles for glass in Lakes Region

14:20- M Rose reviewed best management practices for glass when collecting for PGA production in a transfer station.

14:22- M Rose reviewed recently priced glass pulverizer units of 4 different sizes that can handle a singular town up to multiple towns.

14:30- M Rose was asked if there were grants available to purchase these pulverizers. (discussed USDA community facilities grant and SECD funding, EPA SWM grant)

14:45- J Keane from BCEP presented on his facilities operations for glass crushing and uses.

15:15- questions regarding BCEP operations and glass uses in general.

1) Road agent- Is a yard of PGA the same as a yard of sand in weight?

Ans: yes they are very similar in dexterity and weight.

2) SWO- Why does some towns not use the PGA in the BCEP district and others do?

Ans: With local PGA use, trucks to haul the PGA are required meaning a town will have to conduct their own hauling. Some of the smaller towns do not have enough hauling trucks to do this and make it feasible.

3) How much contamination can be tolerated when crushing glass?

Ans: The glass crusher is able to handle every glass product collected as long as it is mostly clean. There is the occasional bottle cap or label that is crushed as well but as long as its fairly limited quantity of bottle caps or foreign objects, there are no issues for maintaining the machine.

4) Can utility companies or private buyers buy this from the transfer station?

Ans: Currently BCEP does not sell any of their crushed glass to private buyers. It was also discussed that extra permits may be required to do so.

5) Is the hammer mill (BCEP machine) better for crushing glass and maintaining the machine than glass crushing equipment that use blades?

Ans: Most of the time yes. There are still hammer replacements and maintenance required each year for the hammer mill. Blades also require replacement, and generally are more maintenance.

6) Can a rock crusher be used for crushing glass?

Ans: This can also be used for crushing glass. There are a few examples of people converting their rock crushers for this reason but it makes more sense for larger quantity operators and can be costly.

7) What are the cost savings from using PGA product vs traditional stone or gravel for culvert repairs?

Ans: In the lakes region 3/8 " stone is \$300/ load + \$12.75/ ton @23 tons/load= \$595/ load. The savings will be using PGA locally instead of paying \$595/load @ however many culvert repairs you have a year.

15:45- S. Chamberlin discussed items of business for Moultonborough road work and 10 year management plan.

15:50- Floor open to public comment.

Note: There were a few questions regarding NRRRA's regional glass crushing program. B. Bethune from NRRRA was at the meeting virtually and answered a few questions regarding NRRRA operations.

- In NRRRA's program, a member can take crushed glass back to use in their own towns.
- In NRRRA's program, closest LR locations are New London and Rochester, NH.
- In NRRRA's program, the tipping fee is \$40/ton when non-crushed glass is delivered to a crushing location.

16:00- meeting adjourned.