



A Mobile Solution to Styrofoam™ /EPS Diversion

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Carolina Recycling Association Conference

Waste Wise Wednesday

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Thanks!!!!
(Mike, Sandy and others!!)



NORTH CAROLINA
Environmental Quality

What is Feed Me Foam?

- One solution to divert EPS
- A mobile platform
- Avangard Innovative FD-15 mounted in the back of a 16-ft box truck



Collection bin at the Madison County Parkway View Road Collection Center – Thank you Sam, Morris, Jamie, Ray, Daniel, and the other Ray

Meet Audrey III

(she's outside!)



What do I do?

- Find partners to collect foam
- I go to them to process foam
- Densify as much foam as humanly possible
- Reintroduce to the market
- Sleep better at night, maybe







500#

500#

Video of EPS processing

[https://drive.google.com/file/d/1KqtO_kJxlZ2gRfqXinKWQiIBv2U8iVeO/view?usp=share link](https://drive.google.com/file/d/1KqtO_kJxlZ2gRfqXinKWQiIBv2U8iVeO/view?usp=share_link)

Typical Set Up

- No different than an HHW event
- Safety, flow, volunteers
- Gaylords, bags
- Trash management
- (and a little people management)



**Over 5000# of EPS
diverted since May
2022**

What do I want?

- For the world to divert and recycle every bead of EPS
- For people to give me EPS!!
- For someone to get them to stop making it!
- See ANY policy limiting the proliferation of EPS

So, why don't we recycle it?

- Money!
- Cost prohibitive to transport AIR
- High volume to weight ratio
- Not ENOUGH processing machines!!



What does the future hold for EPS?

- Doesn't seem to stop from being made
 - EPS stats – 10.59 million metric tons made in 2021
 - (Source: <https://www.statista.com/statistics/1063653/expandable-polystyrene-production-capacity-globally/>)
- Bans
 - Food service items mostly – Asheville almost there
 - Other parts of the country
 - Packaging not so much
- Expand recycling programs
 - Not that hard
 - Just get a densifier!

Planet A



Thank you!!



- Head outside to meet Audrey III