



Penobscot Energy Recovery Company
29 Industrial Way
Orrington, Maine 04474

To Randy Ewins:

Select Board Town of Hancock

August 13, 2019

I want to take this opportunity to thank you for your call last Friday 8/9/2019 inquiring into the operation at The Penobscot Energy Recovery Company (PERC) and our recycling operations. In addition, it was helpful that you copied me on your email to board members and interested persons because it allows me to expound on your words.

PERC is a zero liquid discharge waste-to-energy facility that combusts municipal solid waste and is part of an integrated materials management system that converts waste materials into renewable electric power. The zero liquid discharge has earned PERC awards in 2016 from both the State of Maine and United States Environmental Protection for outstanding efforts in preserving the New England Environment. Although PERC is licensed to discharge 25,000 gallons per day, PERC employees were able to completely discontinue discharging to the river by making adjustments to the process.

In 2018, the PERC facility combusted 209,063 tons of municipal solid waste, reducing it's volume by 90%, and generating 148,133 MWh of electricity, which is enough to power nearly 15,000 Maine homes. In 2018, PERC recovered 1,421 tons of ash containing ferrous and nonferrous metals for recycling at state-of-the-art facilities located in Canada and Massachusetts. Due to upgrades and modifications, we expect to increase the amount of recovered ferrous and nonferrous ash to 5,000 tons per year going forward. The upstream environmental benefits from recycling scrap metals are considerable with respect to conservation of natural resources, energy savings and reductions in waste water generation and emissions of air pollutants.

Over the past few years, PERC's ownership has invested more than five million dollars in upgrades, transitioning the processing lines, and the purchase of the new slow speed grinders.

These investments have expanded the amount of waste that PERC can convert to marketable electricity from approximately 75 % to 99% with 1% of recyclables removed on the front end before grinding. With the modifications to our process, and the investment in the new slow speed grinders, PERC has been able to increase significantly PERC's acceptable waste list such as carpet, tires, asphalt shingles, pallets, and most other DEMO and OBW items, but NO WALLBOARD. Attached is a list of acceptables. Although Waste to Energy is not recognized by the state as recycling, we at PERC, and many others, believe that our process is recycling, and we continue to pursue listing Waste to Energy as recycling.

I hope that this answers your questions, and is helpful in your discussions. Feel free to call any time. Rod

PERC ACCEPTABLE WASTE

The term ACCEPTABLE WASTE shall mean all municipal solid waste including combustible Oversized Bulky Solid Waste (such as tires, including large truck tires and skidder tires, roofing shingles, wooden furniture, carpet including rugs, pallets, plastic items, demolition wood, textiles, and pallets) that the customer shall deliver, or cause to be delivered, to the PERC Facility for disposal as may be limited by federal, state, and local laws, ordinances, permits, regulations, approvals and restrictions as they may apply to the receiving facility EXCEPT for the following:

- . Unsorted demolition or construction debris from building and roadway projects or locations containing materials including but not limited to sheetrock, inert materials (aggregate, bricks, concrete), Maine Special Waste, asbestos containing materials;
- . Abandoned or junk vehicles;
- . Unacceptable Waste (waste that cannot be accepted or processed by the PERC Facility such as RCRA Hazardous Waste);
- . Dead animals or portions thereof, or other pathological wastes;
- . Any Maine Special Waste for which the facility is not licensed;
- . Discarded white goods such as freezers, refrigerators, washing machines etc;
- . Electronic waste including, without limitation, television sets, computers, computer monitors and accessories, all determined by PERC.