



East Penn Manufacturing Co.
P.O. Box 147, Deka Road, Lyon Station, PA 19536-0147
Phone: 610.682.6361, Fax: 610.682.4781

www.dekabatteries.com

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To Whom It Will Concern,

One of the greatest recycling success stories is the lead battery. The recycling rate of lead batteries in the United States is 99.3% according to a Battery Council International 2017 study.

Unfortunately, there is a growing threat to the success of this story. The growing concern is the introduction of alternative battery technologies, like Lithium-ion, to a lead smelter. These Lithium-ion batteries often mimic the look of the lead battery product. Trying to process a Lithium-ion battery like a lead battery product will cause it to explode which will endanger people's lives. ***Lithium-ion batteries are extremely dangerous in a lead smelter. They react violently in the battery breaking process resulting in the risk of severe human injury, explosion, and fire.***

Below are important points and legal issues that everyone who collects lead batteries for recycling for the East Penn program should know:

- East Penn Manufacturing cannot legally transport or dispose of Lithium-ion batteries.
- Co-mingled Lithium-ion batteries with lead batteries for end-of-life processing is in Federal violation of hazardous waste and/or universal waste regulations according to 40CFR 266.80(a)(2).
- Transporting Lithium-ion batteries co-mingled in a pallet of spent lead batteries is in Federal violation of 49CFR 173.159(e). To find out more about transportation regulations for Lithium-ion batteries visit: http://www.energy-assurance.com/PDFs/Transport_FAQ.pdf
- East Penn's Returned Goods Report requires verification that the batteries being shipped are according to the listed battery classifications on the report (which does not include Lithium-ion batteries). Those who fill out the form incorrectly could be held liable.
- If a Lithium-ion battery is found you should contact the manufacturer for proper collection procedures. If the manufacturer is unavailable, you can contact Retriev Technologies at <http://retrievtech.com> or Kinsbursky Brothers Inc. at <https://www.kinsbursky.com>.
- There are some simple identification steps (noted on the Lithium-ion battery awareness poster) that one can utilize to help prevent mixing Lithium-ion batteries with lead battery products.

East Penn has begun an initiative to help communicate this growing concern and to provide resources for our partners to utilize in their employee training and continued communications. Our first resource is an informative letter and poster to help those who collect used Lead batteries to recognize Lithium-ion batteries and realize the importance of separating them. This material should be used to train your employees at all of your collections points. This poster can be prominently displayed in highly visible areas to help continually reinforce this essential message. As more tools become available, we will continue to share them with you.

We sincerely appreciate your support in our efforts to keep people safe and successfully continue our essential lead battery recycling operations.

Sincerely,
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The Critical Identification and Separation Of Lithium-Ion Batteries From Collecting Lead Batteries for Recycling

CURRENT SITUATION

*There is an increasing problem with Lithium-ion batteries polluting the Lead battery recycling stream as more of these batteries enter the marketplace. **THIS SITUATION IS SERIOUS AND PEOPLE MUST BE INFORMED PROPERLY TO HELP PREVENT HUMAN INJURY AND SAVE LIVES.** Lithium-ion batteries are extremely dangerous in a lead smelter. They react violently in the battery breaking process resulting in the risk of severe human injury, explosion, and fire. There are some recycling facilities that are holding anyone who returns Lithium-ion batteries for Lead battery recycling liable with strict penalties and fines. In fact, co-mingling Lithium-ion batteries with Lead batteries for transportation and recycling is in strict violation of DOT, hazardous waste, and universal waste governmental regulations.*

HOW YOU CAN HELP

Many people just don't know the severe consequences that can occur by putting a Lithium-ion battery on a Lead battery skid for recycling. Often, most don't even recognize the visible difference between the two batteries because Lithium-ion batteries are being made to look more and more like a traditional lead battery design. The good news is that if you make sure people use some simple identification steps, it's not too difficult to recognize the differences. The most important step is to get everyone onboard to make the effort and do their part.

HOW WE CAN HELP

East Penn is providing a highly effective communication poster to help those who collect used Lead batteries to recognize Lithium-ion batteries. These posters can be prominently displayed in a highly visible area to help recognize, remind, and reinforce this essential safety aspect of proper Lead battery recycling.

HOW WE CAN HELP EACH OTHER

Let's communicate this important message to everyone we know to help keep people safe and continue our essential Lead battery recycling operations. Lead batteries have the highest recycling rate of any other product on the planet, so let's keep this successful operation going strong and safe. We sincerely appreciate your part in communicating and reinforcing this message, and for working together with us to ensure that we continue to maintain the safest battery recycling program possible.

Proper Battery Recycling CAN SAVE LIVES!



- Lead Batteries and Lithium Ion Batteries May Look Similar But They **ARE NOT!**

- Trying to recycle a Lithium Battery like a Lead Battery is **EXTREMELY DANGEROUS**

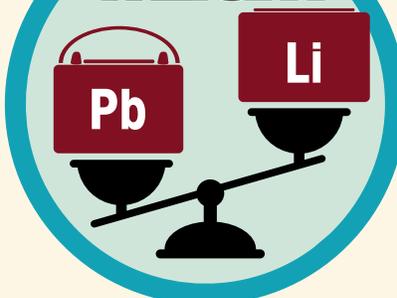
- **YOU HAVE THE POWER** to help protect people, save lives, and keep our critical recycling operations safe.

MAKE THE EFFORT



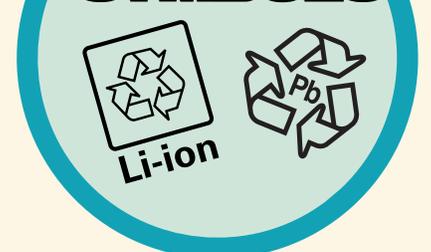
- Be sure YOU know what type of battery it is before putting it on the recycling skid.
LIVES DEPEND ON IT!

CHECK THE WEIGHT



- If it feels much lighter than a traditional lead battery, it is probably **NOT A LEAD BATTERY**. Take the next step to properly check it out.

LOOK FOR MARKINGS & SYMBOLS



- Read all markings and labels.
- Check for any symbols like Pb (lead) or (Li) Lithium.
- Research the manufacturer.