



# EPA battery investigation

What can EPA do about battery recycling?

Optimize the value and use of material derived from the recycling of batteries. EPA aims to develop collection best practices that cover a wide array of small, medium (or mid-), and large format battery chemistries (lithium-ion, nickel-cadmium, etc.) and uses (consumer products, e-scooters, electric vehicles, industrial storage).

Will EPA collect end-of-life batteries for recycling in 2024?

Throughout 2024, EPA will host a series of working sessions to inform the development of best practices for state, Tribal, and local governments to collect end-of-life batteries for recycling. As specified in the BIL, the best practices must: Be technically and economically feasible for state, Tribal and local governments.

How did EPA clean up the Fisher dam site?

EPA completed the soil cleanup, stabilization and disposal of 43,000 tons of soil and battery casings. Also in 2003, the PRP graded and re-vegetated the Site and began chemical in-situ injections of sodium bicarbonate to facilitate the cleanup of ground water. (The Site is located at 446 Fisher Dam Road in Hamburg, Pennsylvania.)

Are batteries bad for the environment?

Batteries can also start fires throughout the municipal waste management system, causing air pollution issues in already overburdened communities and threatening worker and first responder safety. The Bipartisan Infrastructure Law requires EPA to develop battery collection best practices and battery labeling guidelines.

Are lithium batteries included in a fire report?

Incidents were only included in the report if LIBs or lithium metal batteries were mentioned as the definite or likely cause of the fire. Often, the exact cause of a given fire cannot be pinpointed after the incident, so fire inspectors and facility operators use their best judgement to determine the most likely cause.

How do employees deal with ignited lithium ion batteries?

Employees have also developed a set procedure for dealing with ignited LIBs, involving removing the LIB and surrounding materials from the waste pile, retrieving the battery, placing it in a barrel filled with sand or another neutralizing material, and leaving it to burn itself out.

EPA is currently developing a Report to Congress on the best practices for collection of batteries to be recycled that will be published in 2024. This report will identify existing best practices, describe the current state of battery collection, and lay out EPA's next steps.

EPA Region 5 Records Ctr. 207824 J SITE ASSESSMENT REPORT FOR IMEL BATTERY AND LEAD SITE FORT WAYNE, ALLEN COUNTY, INDIANA Prepared for UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Emergency and Remedial Response Branch Region V 77 West Jackson Boulevard



# EPA battery investigation

Chicago, Illinois 60604 Prepared by Weston Solutions, Inc. ...

Five MRFs (or 22%) in our dataset have experienced injury impacts from LIB fires, compared to only two other facilities (a transport truck and a battery recycler). Close to half (43%) of the ...

Field dismantling, or crushing, was straightforward. Using the Maui Method, batteries were identified, extracted, and safely transported to a dedicated staging area. They were submerged in brine for up to three days, then crushed with a steam roller until they no longer held a charge or met DOT/EPA battery definitions. Scrap battery ...

EPA contractors will be collecting soil samples from yards in approximately 34 residential properties on Birchly Court, Woodlane Drive and Oakmont Court. In addition, EPA will be removing buried battery casings and contaminated soil from Birchly Court properties where battery casing were discovered and lead contamination was confirmed.

The US EPA report found 64 waste facilities that experienced 245 fires from 2013 to 2020 that were caused by, or likely caused by, lithium metal or lithium-ion batteries [3]. ...

On May 24, 2023, the U.S. Environmental Protection Agency (EPA or the Agency) issued guidance on the potential applicability of the nation's hazardous waste ...

EPA contractors will be collecting soil samples from yards in approximately 34 residential properties on Birchly Court, Woodlane Drive and Oakmont Court. In addition, EPA will be ...

Investigation of the intercalation of polyvalent cations ( $Mg^{2+}$ ,  $Zn^{2+}$ ) into  $\lambda$ - $MnO_2$  for rechargeable aqueous battery

On September 12, 2024, EPA hosted a virtual working session for Track 2: mid-format batteries on current policies, practices, and trends as part of EPA's battery collection best practices initiative. For the purposes of these ...

The US EPA report found 64 waste facilities that experienced 245 fires from 2013 to 2020 that were caused by, or likely caused by, lithium metal or lithium-ion batteries [3]. Lithium-ion batteries have three main components: the cathode, anode, and electrolyte.

Universal Waste Solar Panel and Lithium Battery Proposal . On October 23, 2023, EPA announced a new rulemaking effort to improve the recycling and management of end-of-life solar panels and lithium batteries. EPA is developing a proposed rule to add solar panels to the universal waste regulations and to add tailored universal waste standards for lithium ...

On September 12, 2024, EPA hosted a virtual working session for Track 2: mid-format batteries on current



# EPA battery investigation

policies, practices, and trends as part of EPA's battery collection best practices initiative. For the purposes of these discussions, mid-format batteries are rechargeable batteries between 11 and 25 pounds or 300 to 2000 watt-hour ratings ...

EPA is establishing a 10-year vision that embraces circularity, sustainable materials management, addresses climate change, and environmental justice. Battery: a device that consists of one or ...

EPA Resources: Lithium-ion Battery Recycling FAQs. Used Lithium-Ion Batteries. Frequent Questions on Lithium-ion Batteries. Universal Waste Webpage: Batteries section. Workshop on Lithium-Ion Batteries in the Waste Stream. Battery Collection Best Practices and Battery Labeling Guidelines. EPA Memo: Lithium Battery Recycling Regulatory ...

CHICAGO (April 1, 2024) - Starting early April, U.S. Environmental Protection Agency will resume lead-contaminated soil cleanup in residential yards near the former Exide Battery facility at 303 Water Street, Logansport, Indiana. Anticipated to last through the summer, 15 properties will be addressed. The cleanups will be completed at no cost to property owners or residents.

Web: <https://doubletime.es>

