

Burkina faso battery recycling

This study aimed to assess and compare the environmental impacts of stand-alone PV systems with storage installed in Burkina Faso. Two scenarios differing in battery technology (lead acid and lithium-ion) and two others in end-of-life management (landfill and recycling) were studied.

Unlike Burkina Faso, licensed companies in other sub-Saharan African countries carry out (Nigeria, Senegal, Rwanda, and Uganda) battery regeneration. In October 2022, Be Energy, the world leader in battery and oil regeneration, opened its doors in Senegal in close collaboration with the Senegalese Ministry of the Environment and the Regional ...

Following the death of 18 children in Thiaroye-sur-Mer, investigating authorities identified lead poisoning from local recycling of discarded car batteries as the silent threat stalking the seaside community.

Develop a national strategy for Burkina Faso and Tanzania to improve the management of waste lead-acid batteries and help reduce childhood lead poisoning. The project is anticipated to be completed by June 2021.

This study aims to investigate the current PV waste management system in Burkina Faso, determine stakeholder roles, and propose strategies to enhance the existing system. Documentary research, interviews, questionnaires, and field visits were used in the methodology.

The objective of the project is to enhance capacity of countries and stakeholders to prevent and address pollution in an integrated manner, with the environmentally sound management of waste lead acid battery recycling being one of the focus areas.

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The data used in this study are available from the authors on reasonable request. To ensure transparency and

reproducibility of results, we encourage interested researchers to contact the corresponding author. For reasons of confidentiality, certain sensitive data may be restricted. Requests for access to data will be considered on a case-by-case basis, and confidentiality agreements may be required.

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