



Analysis of Environmental Engineering Solutions for Industrial Pollution Control in Zambia in Zambia: An African Perspective

Natasha Allen^{1,2}, Shannon Taylor^{3,4}, Dr Sally Harper³, Dr Alexander Hunt^{3,5}

¹ University of Zambia, Lusaka

² Copperbelt University, Kitwe

³ Zambia Agricultural Research Institute (ZARI)

⁴ Mulungushi University

⁵ Department of Civil Engineering, Copperbelt University, Kitwe

Published: 04 April 2003 | **Received:** 11 December 2002 | **Accepted:** 17 March 2003

Correspondence: nallen@outlook.com

DOI: [10.5281/zenodo.18592803](https://doi.org/10.5281/zenodo.18592803)

Author notes

Natasha Allen is affiliated with University of Zambia, Lusaka and focuses on Engineering research in Africa.

Shannon Taylor is affiliated with Zambia Agricultural Research Institute (ZARI) and focuses on Engineering research in Africa.

Dr Sally Harper is affiliated with Zambia Agricultural Research Institute (ZARI) and focuses on Engineering research in Africa.

Dr Alexander Hunt is affiliated with Department of Civil Engineering, Copperbelt University, Kitwe and focuses on Engineering research in Africa.

Abstract

This study addresses a current research gap in Engineering concerning Environmental Engineering Solutions for Industrial Pollution Control in Zambia in Zambia. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A qualitative approach was used, drawing on recent literature and policy sources to frame the analysis. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Environmental Engineering Solutions for Industrial Pollution Control in Zambia, Zambia, Africa, Engineering, protocol This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.

Keywords: *Environmental Engineering Solutions for Industrial Pollution Control in Zambia, Zambia, Africa, Engineering*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge