Accepted Manuscript

Options for managing alkaline steel slag leachate: A life cycle assessment

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PII: S0959-6526(18)32506-X

DOI: 10.1016/j.jclepro.2018.08.163

Reference: JCLP 13947

To appear in: Journal of Cleaner Production

Received Date: 14 February 2018

Revised Date: 13 July 2018

Accepted Date: 16 August 2018

Please cite this article as: Gomes HI, Mayes WM, Baxter HA, Jarvis AP, Burke IT, Stewart DI, Rogerson M, Options for managing alkaline steel slag leachate: A life cycle assessment, *Journal of Cleaner Production* (2018), doi: 10.1016/j.jclepro.2018.08.163.

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ACCEPTED MANUSCRIPT

Alkaline leachate Treatment options

Active

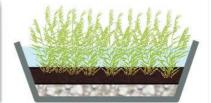
- Acid dosing (H₂SO₄)
- Dosing with CO₂
- Dosing with CaCl₂

Passive

- Reedbeds with pumping
- Reedbeds gravity fed

LCA

- CaCl₂ dosing higher environmental footprint
- Passive treatment had better environmental performance



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