

Accepted Manuscript

Reductive solidification/stabilization of chromate in municipal solid waste incineration fly ash by ascorbic acid and blast furnace slag

Xian Zhou, Min Zhou, Xian Wu, Yi Han, Junjun Geng, Teng Wang, Sha Wan, Haobo Hou



PII: S0045-6535(17)30608-2

DOI: 10.1016/j.chemosphere.2017.04.072

Reference: CHEM 19134

To appear in: *Chemosphere*

Received Date: 02 January 2017

Revised Date: 08 April 2017

Accepted Date: 16 April 2017

Please cite this article as: Xian Zhou, Min Zhou, Xian Wu, Yi Han, Junjun Geng, Teng Wang, Sha Wan, Haobo Hou, Reductive solidification/stabilization of chromate in municipal solid waste incineration fly ash by ascorbic acid and blast furnace slag, *Chemosphere* (2017), doi: 10.1016/j.chemosphere.2017.04.072

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

- Ascorbic acid was used as S/S reagent for Cr reduction in MWSI fly ash.
- The leaching concentration of Cr is strongly dependent on the pH of the solution.
- The lowest leaching concentrations of Cr was in the pH range of 6–8.
- C-S-H and ettringite formed by GGBFS can hold Zn and Cr in its crystal structure.

Download English Version:

<https://daneshyari.com/en/article/5746934>

Download Persian Version:

<https://daneshyari.com/article/5746934>

[Daneshyari.com](https://daneshyari.com)