

Accepted Manuscript

Title: Effect of the redox dynamics on microbial-mediated As transformation coupled with Fe and S in flow-through sediment columns

Authors: Hee Sun Moon, Bo-A Kim, Sung Pil Hyun, Yoon-Ho Lee, Doyun Shin



PII: S0304-3894(17)30046-8
DOI: <http://dx.doi.org/doi:10.1016/j.jhazmat.2017.01.034>
Reference: HAZMAT 18331

To appear in: *Journal of Hazardous Materials*

Received date: 5-10-2016
Revised date: 30-12-2016
Accepted date: 20-1-2017

Please cite this article as: Hee Sun Moon, Bo-A Kim, Sung Pil Hyun, Yoon-Ho Lee, Doyun Shin, Effect of the redox dynamics on microbial-mediated As transformation coupled with Fe and S in flow-through sediment columns, Journal of Hazardous Materials <http://dx.doi.org/10.1016/j.jhazmat.2017.01.034>

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.

**Effect of the redox dynamics on microbial-mediated As transformation
coupled with Fe and S in flow-through sediment columns**

Hee Sun Moon^{a,c*}, Bo-A Kim^a, Sung Pil Hyun^{a,c}, Yoon-Ho Lee^a, Doyun Shin^{b,d}

^a Groundwater Department, Geologic Environment Division, Korea Institute of Geoscience and Mineral Resources (KIGAM), Daejeon, 34132, Korea

^b Unban Mine Department, Mineral Resources Research Division, Korea Institute of Geoscience and Mineral Resources (KIGAM), Daejeon, 34132, Korea

^c Department of Mineral and Groundwater Resources, Korea University of Science and Technology, Daejeon, 34113, Korea

^d Department of Resource Recycling Engineering, Korea University of Science and Technology, Daejeon, 34113, Korea

*Corresponding author at: Groundwater Department, Korea Institute of Geoscience and Mineral Resources (KIGAM), Daejeon, 34132, Korea

E-mail: hmoon@kigam.re.kr

Download English Version:

<https://daneshyari.com/en/article/4979680>

Download Persian Version:

<https://daneshyari.com/article/4979680>

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