

## Accepted Manuscript

Mechanisms and effectivity of sulfate reducing bioreactors using a chitinous substrate in treating mining influenced water

Souhail R. Al-Abed, Patricio X. Pinto, John McKernan, Elisabeth Feld-Cook, Slawomir M. Lomnicki

PII: S1385-8947(17)30579-X  
DOI: <http://dx.doi.org/10.1016/j.cej.2017.04.045>  
Reference: CEJ 16799

To appear in: *Chemical Engineering Journal*

Received Date: 23 February 2017  
Revised Date: 7 April 2017  
Accepted Date: 8 April 2017

Please cite this article as: S.R. Al-Abed, P.X. Pinto, J. McKernan, E. Feld-Cook, S.M. Lomnicki, Mechanisms and effectivity of sulfate reducing bioreactors using a chitinous substrate in treating mining influenced water, *Chemical Engineering Journal* (2017), doi: <http://dx.doi.org/10.1016/j.cej.2017.04.045>

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.



# Mechanisms and effectivity of sulfate reducing bioreactors using a chitinous substrate in treating mining influenced water

*Souhail R. Al-Abed<sup>a\*</sup>, Patricio X. Pinto<sup>b</sup>, John McKernan<sup>a</sup>, Elisabeth Feld-Cook<sup>c</sup>, and*

*Slawomir M. Lomnicki<sup>d</sup>*

<sup>a</sup>National Risk Management Research Laboratory, U.S. Environmental Protection Agency, 26 West Martin Luther King Dr, Cincinnati, OH 45268, United States

<sup>b</sup>Pegasus Technical Services, Inc. 46 East Hollister St, Cincinnati, OH 45219, United States

<sup>c</sup>Department of Chemistry, Louisiana State University, Baton Rouge, LA 70803, United States

<sup>d</sup>Department of Environmental Sciences and LSU Superfund Research Center, Louisiana State University, Baton Rouge, LA 70803, United States

\*Corresponding author phone: (513) 569 7849; fax (513) 569 7879; email: al-  
abed.souhail@epa.gov

Download English Version:

<https://daneshyari.com/en/article/4763050>

Download Persian Version:

<https://daneshyari.com/article/4763050>

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