

Preliminary Assessment of Methods for the Characterization of a Coal Slurry Spray

P. A. Corber^{*1}, M. Player¹, R. Hughes², D. Lu², B. Anthony²

¹National Research Council of Canada, Ottawa, Canada

²Natural Resources Canada, Ottawa, Canada

Andrew.Corber@nrc.ca, Michael.Player@nrc.ca, Robin.Hughes@NRCan-RNCan.gc.ca,
Dennis.Lu@NRCan-RNCan.gc.ca, Ben.Anthony@NRCan-RNCan.gc.ca

Abstract

This poster presents some preliminary attempts to characterize coal-water slurries (CWS) sprays. The measurements and photographs were taken to provide the data for determining the performance of the analytical equipment prior to constructing a high pressure test devices and to prepare for future testing performed at industrial operating conditions of the CanmetENERGY gasifier. This first round of experiments offer encouraging results, and indicate that detailed information can be collected about the structure of CWS sprays.

* Corresponding author: Andrew.Corber@nrc.ca