

DATE: May 02, 2006

NOTE TO: Farouk Eltawila, Director, DRASP:RES

FROM: Shawn O. Marshall, Project Manager, CDB:NRCA:DRASP:RES

SUBJECT: AUTHORIZATION FOR SUBMISSION OF PAPERS TO THE 14TH INTERNATIONAL CONFERENCE ON NUCLEAR ENGINEERING (ICONE 14), MIAMI, FL, JULY 17-20, 2006

The investigators working under Task Order No. 4 (Purdue University) of RES contract 04-03-048: "Thermal-hydraulic Task" have prepared the two enclosed papers detailing the results of their experimental study.

Citation (1): S. Kim, G. Kojasoy, J.H. Park, J.M. Kelly, "Local Interfacial Structures in Horizontal Bubbly Flow with 90-Degree Bend," 14th International Conference on Nuclear Engineering (ICONE14), Miami, FL, July 17-20,2006.

Citation (2): S. Kim, G. Kojasoy, J.H. Park, J.M. Kelly, "Two-Phase Frictional Pressure Loss in Horizontal Bubbly Flow with 90-Degree Bend," 14th International Conference on Nuclear Engineering (ICONE14), Miami, FL, July 17-20,2006.

Mr. Joseph M. Kelly, the RES technical monitor for this work, has reviewed these papers and has concluded that no information that is clearly proprietary, policy-related, or pre-decisional is contained therein. In accordance with Management Directive 3.9, please review the attached papers and authorize their public release by concurring below.

International conference papers are approved. The papers will be e-mailed to the EDO by F. Eltawila via D-note for information only.

N/A

Attachments:

1. "Local Interfacial Structures in Horizontal Bubbly Flow with 90-Degree Bend"
2. "Two-Phase Frictional Pressure Loss in Horizontal Bubbly Flow with 90-Degree Bend"
3. Form 390a (Paper 1)
4. Form 390a (Paper 2)

ROUTING: ALL CONCURRENCES REQUESTED BY MAY 08, 2006

	Initial	Date
1. Joseph M. Kelly, Technical Monitor [technical review]	<u>JMK</u>	<u>5-3-06</u>
2. William Burton, CDB	<u>W.B.</u>	<u>5/16/06</u>
3. Christiana Lui, NRCA	<u>CL</u>	<u>5/16/06</u>
4. Farouk Eltawila, DSARP [initial attached form 390A]	<u>FE</u>	<u>5/16/06</u>
5. Joseph M. Kelly, Technical Monitor [inform authors of review outcome]	<u>JMK</u>	<u>5-17-06</u>

6. Shawn O. Marshall, Project Manager
[sign attached Form 390A, place in
ADAMS, and check box on Form 390A]

Sam

5/17/06

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