

PROJECT CONTROL DOCUMENT – TRP 9925

PROJECT TITLE: Optimization of Post Combustion in BOF & EAF

PROJECT DESCRIPTION: The objective of the project is to combine the current understanding of post combustion chemical reactions with computational fluid dynamics (CFD) to optimize post combustion in the electric arc and basic oxygen furnaces.

PRIMARY RESEARCH ORGANIZATION(S):

Carnegie Mellon University
Department of Materials Science and Engineering
Pittsburgh, PA

PRINCIPAL INVESTIGATOR(S): Dr. Richard Fruehan

PROJECT PARTICIPANTS: IPSCO
Ispat Inland Steel
North Star Steel
Rouge Steel
Timken Company
US Steel Research
Center for Iron and Steelmaking Research

PROJECT DURATION: 54 Months

PROJECT START - END DATE: 10/20/99 – 4/16/04

PROJECT BUDGET (excluding AISI Project Mgmt.): \$543,673

TECHNICAL PROJECT MANAGER: W. Obenchain – AISI, Washington DC

KEY CONTACTS:

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>	<u>FAX</u>
R. Fruehan	CMU	412-268-2677	412-268-7247
W. Obenchain	AISI	202-452-7208	202-463-6573
J. Vehec	AISI	412-922-2772 x216	412-922-3213
J. Asante	IPSCO	306-924-7637	306-924-7424
D. Urban	Ispat Inland	219-399-4337	219-399-6562
T. Hickl	North Star Steel	952-367-3032	952-367-3083
C. Kristock	Rouge Steel	313-323-6389	313-323-2270
P. Glaws	Timken Company	330-471-2360	330-471-4077
X. Zhang	US Steel Research	412-825-2111	412-825-2800