

PROJECT CONTROL DOCUMENT – TRP 9810

PROJECT TITLE: Technology of Low Coal Rate and High Productivity of Rotary Hearth Furnace Ironmaking

PROJECT DESCRIPTION: The object of this research is to develop a coal-based and coke-free ironmaking process based on the rotary hearth furnace (RHF) and a melting/refining unit to provide high quality, inexpensive hot metal for basic oxygen furnace steelmaking. This technology has the potential to change the current ironmaking process into a simpler, more energy efficient, environmentally-friendly, coal-based (as opposed to coke-based) process.

PRIMARY RESEARCH ORGANIZATION(S):

McMaster University
Department of Materials Science & Engineering
Hamilton, Ontario, Canada

PRINCIPAL INVESTIGATOR(S): Dr. W-K Lu

PROJECT PARTICIPANTS:

BOC Gases	Dofasco Inc.
Heckett MultiServ	INMETCO
LTV Steel	SMS Demag
US Steel Research	

PROJECT DURATION: 38 Months

PROJECT START - END DATE: 4/22/99 – 7/8/02

PROJECT BUDGET (excluding AISI Project Mgmt.): \$317,153

TECHNICAL PROJECT MANAGER: BV Lakshminarayana – AISI Washington

KEY CONTACTS:

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>	<u>FAX</u>
W-K Lu	McMaster	905-525-9140	905-528-9295
BV Lakshminarayana	AISI	202-452-7143	202-463-6573
J. Vehec	AISI	412-922-2772 x216	412-922-3213
J. Quinn	DOE	202-586-5725	202-586-9234
K. Grieshaber	BOC Gases	908-771-1296	908-771-1148
S. Sun	Dofasco	905-548-4782	905-548-4653
D. Evans	Heckett MultiServ	011-44-20-7314-1421	011-44-20-7314-1470
R. Bleakney	INMETCO	724-758-2850	724-758-9311
K. Ascough	SMS Demag	412-237-8200	412-231-3995
J. Bajaj	US Steel Research	412-825-2681	412-825-2871