

# PROJECT CONTROL DOCUMENT – TRP 9718

**PROJECT TITLE:** Hot Oxygen Injection Into the Blast Furnace

**PROJECT DESCRIPTION:** The objective of the project is to demonstrate the economic, environmental and energy saving benefits of direct injection of hot oxygen into blast furnace tuyeres combined with fossil fuel injection. The goal is to increase the capability of coal injection from 400 lds/thm to 475 lbs/thm at high furnace production rates.

## PRIMARY RESEARCH ORGANIZATION(S):

Praxair, Inc.  
Metals Technologies  
Indianapolis, IN

**PRINCIPAL INVESTIGATOR(S):** Mike Riley

**PROJECT PARTICIPANTS:** Bethlehem Steel  
LTV Steel  
US Steel Research  
Wheeling-Pittsburgh Steel (Year 1 only)  
Praxair, Inc.

**PROJECT DURATION:** 53 Months

**PROJECT START - END DATE:** 3/11/98 – 8/21/02

**PROJECT BUDGET (excluding AISI Project Mgmt.):** Phase 1 \$ 840,748  
Phase 2 \$ 0  
Total \$ 840,748

**TECHNICAL PROJECT MANAGER:** B.V. Lakshminarayana – AISI Washington, DC

## KEY CONTACTS:

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>	<u>FAX</u>
M. Riley	Praxair	317-713-2836	317-713-2828
B.V. Lakshminarayana	AISI	202-452-7143	202-463-6573
T. Stackrow	AISI	412-922-2772 x244	412-922-3213
G. Jagtiani	DOE	202-586-1826	202-586-3237
T. Shellhammer	Bethlehem Steel	610-694-5550	610-694-2981
Y. Zhao	USS Research	412-825-2083	412-825-2871
H. Page	Wheeling-Pitt Steel	304-234-2499	304-234-2442