

PROJECT CONTROL DOCUMENT – TRP 9742

PROJECT TITLE: Removal of Residual Elements in Steel Ladles by a Combination of Top-Slag and Deep Injection

PROJECT DESCRIPTION: The objective of the study is to develop modifications to the current steel making practices for removal of residual elements caused by increased levels of recycling. The goal of the project is to evaluate the impact of non-fluoride bearing fluxes on reaction kinetics, slag composition and oxygen potential.

PRIMARY RESEARCH ORGANIZATION(S):

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

PRINCIPAL INVESTIGATOR(S): Dr. Ken Coley

PROJECT PARTICIPANTS: Dofasco
US Steel Research
Weirton Steel

PROJECT DURATION: 45 Months

PROJECT START - END DATE: 2/23/98 – 11/26/01

PROJECT BUDGET (excluding AISI Project Mgmt.): \$364,995

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

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