

# PROJECT CONTROL DOCUMENT – TRP 9705

**PROJECT TITLE:** Effects of Residuals in Carbon Steels

**PROJECT DESCRIPTION:** The aim of the project is to investigate quantitatively the effect of residuals on the quality and properties of a given steel chemistry with various combinations of tramp elements. The results of the study will permit the identification of the practical limits of these residual elements and possibly the extension of the existing practical limits by controlling process parameters.

## PRIMARY RESEARCH ORGANIZATION(S):

Canada Centre for Mineral and Energy Technology (CANMET)  
Materials Technology Laboratory  
Ottawa, Canada

**PRINCIPAL INVESTIGATOR(S):** Dr. George Ruddle

**PROJECT PARTICIPANTS:**

AK Steel	Bethlehem Steel (Phase 1 )
IPSCO Inc.	LTV Steel
National Steel	Timken Company
US Steel Research	Weirton Steel

**PROJECT DURATION:** 53 Months

**PROJECT START-END DATE:** 2/2/98 – 7/2/02

**PROJECT BUDGET (excluding AISI Project Mgmt.):** \$525,753

**TECHNICAL PROJECT MANAGER:** Bill Obenchain – AISI Washington, DC

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