

# BNL ALARA Center Data Base

CANADA

R-372

## THE MECHANICS AND KINETICS OF CORROSION PRODUCT RELEASE FROM CARBON STEEL IN LITHIATED HIGH TEMPERATURE WATER

**Keywords:** CONTAMINATION PREVENTION; COBALT RELEASE;  
CORROSION PRODUCT RELEASE; OXIDE FILM

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**Objectives:** A Formulation of the Cobalt Release from Carbon Steel

**Comments:** Data has been analyzed. Paper in preparation for publication.

**Remarks/Potential for dose limitation:** Understanding cobalt transport will have a large bearing on reducing radiation fields.

**References:** In preparation

**Duration:** from: 1991 to: 1993

**Funding:** N/A

**Status:** Completed

**Last Update:** August 30, 1993