

BNL ALARA Center Data Base

U.S.A.

H-215

MAINTENANCE JOB CARDS

Keywords: NUCLEAR POWER PLANTS; PUMPS; VALVES; MAINTENANCE AIDS; HUMAN FACTORS; ENGINEERING; JOB PERFORMANCE

Principal Investigator:

Anacapa Sciences, Inc.

Project Manager:

L. F. Hanes
Electric Power Research Institute
P.O.Box 10412 ,
Palo Alto, CA 94303
U.S.A.
Phone: (415) 855-2527

Objectives: The objective of the project is to:

- 1) Determine content requirements and format specifications of the Job Cards.
- 2) Develop prototype versions of the job Cards on the most important topics.
- 3) Implement the prototype Job Cards at two test sites.
- 4) Evaluate the usability and usefulness of the Job Cards at each site.
- 5) Make recommendations concerning the implementation of Job Cards on an industrywide basis.

Comments: The maintenance Job Cards are designed as a handy reference for plant personnel who initially diagnose equipment problems. seven categories are included in the set - troubleshooting, valve maintenance, alignment, pump maintenance, general maintenance, V-belts and sheaves, and rigging. Maintenance workers will benefit from having access to concise, graphic-based information aids that supplement the normal complement of governing work documents. the aim of the Job Card is to provide mechanics with easily accessible, readable, and comprehensive materials to aid memory, provide general information, guide troubleshooting, supplement training, and orient workers.

Potential for dose limitation: Surveys of end-users showed the Job Cards were well accepted by most users and received high marks for usability and usefulness. It was also identified to have significant potential for reducing errors and improving productivity.

References: EPRI TR-104602, Final Report, December 1994.

Duration: from: 1992 to: 1994

Funding: N/A

Status: Completed

Last Update: April 18, 1995