

BRUNSWICK PLANT

LESSON PLAN

DEALING WITH

SEISMIC EVENTS

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F PDR

Brunswick Steam Electric Plant
INSTRUCTOR LESSON PLAN

SUBJECT: Seismic Monitoring

COURSE/MODULE NUMBER: 39-1-A1

SESSION TOPIC:

TIME REQUIRED: 1 - 4/4.

REVISION NO:

DATE: 02/10/84

APPROVAL

B. J. Saburn
(Director - Training)

PREPARED BY: B. J. Saburn

INSTRUCTOR REFERENCES

SD 57
EI 39
FEAR
Tech Manuals
Tech Specs

CLASSROOM EQUIPMENT

Chalkboard/Whiteboard
Overhead Projector

TRAINING MATERIALS REQUIRED

Lesson Plan
Transparencies
Study Guide

STUDENT REFERENCES

Study Guide
Lesson Plan
Tech Specs

SEISMIC MONITORING
OUTLINE

KEY AIDS

I. INTRODUCTION

A. Lesson Objectives

Upon satisfactory completion of this session you will be able to:

- Know the purpose of the system.
- List the types of seismic monitors.
- List locations.

Reason for Study

A thorough understanding of the system will assure proper operation & upkeep as well as prepare you for future advancement.

II. PRESENTATION

A. Purpose

Sense/record earthquake ground motion in Rx Bldg.

- 2 Subsystems
- Passive
- Active
- Passive subsystems
- 3 multielement triaxial peak accelerographs

B. Component Description

- Each M.T.P.A. consists of 3 peak shock recorders
 - Peak shock recorders permanently record acceleration of floors
 - 12 reads with diamond tips etch deflection on record plates

SEISMIC MONITORING
OUTLINE

KEY AIDS

- ° Locations
 - . Equip drn. tank (-17')
 - . Near RHR Hx (20')
 - . Refueling area (117')
- ° Active subsystem
 - . Consists of:
 - A remote starter (-17')
 - Two (2) remote accelerometers (-17') (89'4")
 - Seismic monitoring panel
- ° Remote starter when energized starts:
 - . Multichannel accelerograph recorder and;
 - . On line recorder
- ° Remote accelerometers sense ground motion & send signal to seismic monitoring panel
 - . Actuates RTGB alarms
- ° 120VAC noninterruptable or internal batteries

Tech Specs 3/4 p3-44

III. SUMMARY

- A. Review Objectives

IV. EVALUATION

- A. Exam