



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

ILLUMINATING BLDG. • PUBLIC SQUARE • CLEVELAND, OHIO 44101 • TELEPHONE (216) 623-1350 • MAIL ADDRESS: P. O. BOX 5000

Serving The Best Location in the Nation

Dalwyn R. Davidson

VICE PRESIDENT

SYSTEM ENGINEERING AND CONSTRUCTION

June 2, 1982

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Schwencer:

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Equipment Qualification Meeting

On May 12, 1982, members of my staff and several consultants met with the Equipment Qualification Branch of NRR and personnel from Region IV and Headquarters of I&E. The purpose of the meeting was to discuss several areas concerning Perry's Equipment Qualification Program.

The purpose of this letter is to document the substance of that meeting as we perceived it. We would appreciate your concurrence or comments on these minutes. This will help insure that our EQ program is consistent with NRC requirements.

Very truly yours,

Dalwyn R. Davidson

Vice President

System Engineering and Construction

DRD:dlp

cc: Jay Silberg, Esq.
John Stefano
Max Gildner

A046

PERRY NUCLEAR POWER PLANT
EQUIPMENT QUALIFICATION
MEETING WITH NRC/EQB
ON MAY 12, 1982

The following is our understanding of the staff's response, comments and concerns for each of the major meeting agenda items:

Ground Rules

1. The Perry FSAR review will be conducted by the NRC on the basis of Revision 2 of the Standard Review Plan (NUREG-0800).
2. The Perry FSAR is not presently structured around the format required by NUREG-0800. The NRC does not require it to be completely restructured, only ensure that it addresses the issues contained in the SRP.
3. The NRC will expect that prior to a site audit, at least 85% to 95% of the generic types of equipment are qualified and installed. A minimum of one of each type of device must be installed. Any items which are undergoing long term testing at the time of the site audit will be considered by the staff as being in the 85%-95% group.
4. For plants which start-up after June 30, 1982, the staff will consider fuel load as the first outage for the purpose of complying with the "two refueling outages from June 30, 1982, and no later than November 30, 1985, within which to be completely qualified". Requirements of 10CFR50.49.
5. In order to minimize the impact at the O.L. hearing of open issues in their SER, the NRC agreed to provide the results of this review of the Perry Environmental Qualification Program in the SER.
6. The staff requested that the FSAR include a discussion of the safety functions of those devices/systems noted in Table 3.2-1 of the FSAR. The staff reiterated that they do not want an equipment list in the FSAR.

Equipment "Important to Safety"

1. Assurance needs to be made that the failure of a non-1E device would not fail a 1E device.
2. The NRC's Human Factors Branch will review the Perry Emergency Operating Procedures to assure that there are no devices in the procedure which would mislead the operator.

Mild Environment Equipment

1. The Product Quality Certification (PQC) is acceptable to the NRC.

Procurement of Safety Related Spare Parts and Components

1. The staff will require the environment in which the spare and replacement parts are stored be controlled so as not to affect their qualification.
2. The staff has taken the position that replacement with parts of the "same kind" is acceptable. There is no need to qualify individual items.
3. There should be some sort of analysis to assure that over a period of time, the use of replacement components will not change the electrical performance or characteristics of a device.

Environmental Qualification of Mechanical Equipment

1. The Perry position on the attached transparencies should be put into the FSAR section 3.11.
2. Provide assurance that GDC4 is met.
3. The Perry position, as presented, should be acceptable if Perry includes a listing of equipment and expands on the justification.
4. Perry needs to take a look at the radiation effects on lubricants and present the position in the FSAR.

Independent Verification of Reactor Safety

1. This is a mandatory program, now called by the NRC, the "Equipment Qualification Test Inspection Program". It is predicated on 10CFR50.49, and 10CFR50 Appendix A, GDC 11.
2. This program will be run by the NRC's Region IV Office of Inspection and Enforcement. The program will be basically a QA program (i.e., confirm testing was done to the manner described in the associated test plan). Questions dealing with the technical content of a test will be forwarded to the NRC/EQB by Region IV for resolution.
3. The results of the Region IV inspection will be provided as input to SER's.
4. Region IV will have no review function but will make constructive comments on the test plans.
5. Region IV will work through the applicant/licensee rather than directly with vendor/test lab to arrange for what tests they wish to observe and what test plans they wish to review. All inspections will be pre-announced.
6. The question on "Who resolves conflicts between Region IV and the utility?" was discussed, however, Perry is confused on how this will be handled.

Justification for Interim Operation

1. The justification must address the 10CFR50.49 requirements.
2. The Justification for Interim Operation should not be submitted until about two months prior to fuel load. The staff will review at any time the submittal which delineates how such a justification would be based.

GE Phase III Program Status

1. The staff wants one of the examples that will be submitted with the GE Licensing Topical Report to be representative of a device subject to hydrodynamic load qualification.

KAM/iw
5/21/82

PERRY NUCLEAR POWER PLANT
EQUIPMENT QUALIFICATION
MEETING WITH NRC/EQB
ON MAY 12, 1982

Meeting Attendees

<u>Name</u>	<u>Organization</u>
John J. Stefano	NRR/DL
Marcel R. Harper	NRR/DE/EQB
Jim Kennedy	NRR/DE/EQB
J. R. Agee	NRC/RIV
Paul Shemanski	NRC/NRR/DE/EQB
Goutam Bagchi	NRC/NRR/DE/EQB
W. V. Johnston	NRC/NRR/DE
Siavosh Dehdashti	GE/SED
Doug Pike	Niagara Mohawk 9 Mile 2
Neil DellaGreca	Stone & Webster - 9 Mile 2
Arie Bluh	Stone & Webster - River Bend
Alan Chan	Stone & Webster - River Bend
Joe Weiss	Quadrex
Noel Shirley	GE/SW
Nancy Chapman	Bechtel Power
Tony Cappucci	ACRS/NRC
Peter Thompson	Public Service Electric & Gas
Steve Danielson	NuTech Engineers
Matee Rahman	Gulf States Utilities (River Bend)
Ron Oprea	Gulf States Utilities (River Bend)
R. W. Kemp	General Electric
David Sharp	Gulf States Utilities (River Bend)
Zoltan R. Rosetoccy	NRC/NRR/EQB
L. D. Test	GE
G. W. Reinmuth	NRC-IE
A. E. Dohna	Torrey Pines Technology
Arthur Butt	Torrey Pines Technology
Tom Flemming	Gilbert Associates
Frederick Larouski	Gilbert Associates
N. B. Le	NRGC/IE
Todd Allen	Bechtel Power/Hope Creek
David D. Reiff	NRC/NRR/EQB
Bob LaGrange	NRC/NRR/EQB
Gus Kephodes	Richner Power Corp.
Forrest E. Hatch	General Electric Company
Kenneth A. Matheny	Cleveland Electric Illuminating Co.
Bill Coleman	Cleveland Electric Illuminating Co.
Larry Rougeux	Cleveland Electric Illuminating Co.
David Green	Cleveland Electric Illuminating Co.
Larry E. Wise	Gilbert Associates
H. Shannon Phillips	NRC RII Vendor Pgm Fr, EQ Section

PERRY NUCLEAR POWER PLANT

UNITS 1 AND 2

EQUIPMENT

QUALIFICATION

PROGRAM

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

MEETING WITH NRC/EQB

MAY 12, 1982

- INTRODUCTION BILL COLEMAN
- GROUND RULES BILL COLEMAN
- EQUIPMENT "IMPORTANT TO SAFETY" KEN MATHENY
- MILD ENVIRONMENT EQUIPMENT KEN MATHENY
- PROCUREMENT OF SAFETY RELATED SPARE PARTS AND COMPONENTS MIKE LAZAR
- ENVIRONMENTAL QUALIFICATION OF MECHANICAL EQUIPMENT KEN MATHENY
- INDEPENDENT VERIFICATION OF REACTOR SAFETY (IVRS) DISCUSSION
- JUSTIFICATION FOR INTERIM OPERATION JOE WEISS
- GE PHASE III PROGRAM STATUS FOREST HATCH

PERRY NUCLEAR POWER PLANT
EQUIPMENT QUALIFICATION
MEETING WITH NRC/EOB

FEBRUARY 23, 1982

INTRODUCTION

BILL COLEMAN

PNPP EQUIPMENT QUALIFICATION PROGRAM

KEN MATHENY

GAI (BOP) PROGRAM

LARRY WISE

GE (NSSS) PROGRAM

FORREST HATCH

HARSH/MILD ENVIRONMENT

LARRY WISE

RADIATION SOURCE TERMS

JACKIE TATE

DISCUSSION

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

GROUND RULES

- WHAT REVISION OF THE "STANDARD REVIEW PLAN" IS THE EQUIPMENT QUALIFICATION BRANCH USING FOR THE REVIEW OF THE PERRY FSAR?

MAY 12, 1982

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

GROUND RULES

- WHAT REVISION OF THE "STANDARD FORMAT AND CONTENT OF SAFETY ANALYSIS REPORTS" IS IN SYNC. WITH THE "STANDARD REVIEW PLAN" BEING USED BY THE EQUIPMENT QUALIFICATION BRANCH FOR THE REVIEW OF THE PERRY FSAR?

MAY 12, 1982

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

GROUND RULES

- WHEN WILL THE EQUIPMENT QUALIFICATION
BRANCH REVIEW THE TEXT OF SECTIONS 3.10
AND 3.11 OF THE PERRY FSAR?

MAY 12, 1982

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

GROUND RULES

- WHAT ARE THE SPECIFIC REQUIREMENTS FOR THE NRC SITE AUDIT?

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

GROUND RULES

PROPOSED ACTION PLAN:

- FSAR SECTIONS 3:10 AND 3:11
 - REVISE TEXT TO AGREE WITH PERRY NUCLEAR POWER PLANT, EQUIPMENT QUALIFICATION PROGRAM.
 - DELETE EQUIPMENT LISTS.
 - REVISE "ENVIRONMENTAL ZONES AND LIMITS" TABLES
 - SUBMIT TO NRC FOR REVIEW ON AUGUST 15, 1982

- SUBMIT LIST OF SAFETY RELATED EQUIPMENT LOCATED IN A HARSH ENVIRONMENT TO THE NRC FOR REVIEW ON SEPTEMBER 1, 1982

- SUBMIT "JUSTIFICATION FOR INTERIM OPERATION " TO THE NRC FOR REVIEW ON SEPTEMBER 1, 1982.

- NRC SITE AUDIT ON MARCH 1, 1983.

PERRY NUCLEAR POWER PLANT
EQUIPMENT QUALIFICATION
EQUIPMENT "IMPORTANT TO SAFETY"

- PERRY EQUIPMENT QUALIFICATION PROGRAM FOR ELECTRICAL EQUIPMENT ADDRESSES CLASS IE EQUIPMENT.
- FOR PERRY:
"IMPORTANT TO SAFETY" = CLASS IE
- RATIONALE
 - R.G. 1.97 REV. 2
CAT. I AND II INSTRUMENTATION TREATED AS CLASS IE AND COVERED UNDER E.Q. PROGRAM.
CAT. III INSTRUMENTATION IS NOT REQUIRED TO BE CLASS IE AND IS NOT COVERED UNDER E.Q. PROGRAM.
 - R.G. 1.75 REV. 2
ONLY ASSOCIATED CIRCUITS ARE TO HEATERS IN MOV'S.
QUALIFIED AS AN INTEGRAL PART OF MOV.
 - EMERGENCY OPERATING PROCEDURES. MAKE USE OF NON SAFETY RELATED EQUIPMENT, IF AVAILABLE. NO NEED TO QUALIFY THIS NON SAFETY RELATED EQUIPMENT.
 - IF SOMETHING IS "IMPORTANT TO SAFETY" THEN IT HAS A CLASS IE POWER SUPPLY. IF IT HAS A CLASS IE POWER SUPPLY IT WILL BE COVERED UNDER E.Q. PROGRAM.

MAY 12, 1982

PERRY NUCLEAR POWER PLANT
EQUIPMENT QUALIFICATION
MILD ENVIRONMENT EQUIPMENT

- BOP
 - SPECIFIED FOR IEEE 323-1974 AND 344-1975.

- NSSS
 - SPECIFIED FOR IEEE 323-1971 AND 344-1971.
 - SEISMIC QUALIFICATION RE-EVALUATION. (INCLUDING HYDRODYNAMICS)
 - + PRESENTLY BEING CONDUCTED FOR ELECTRICAL AND MECHANICAL EQUIPMENT.
 - + DOCUMENTATION WILL BE IN AUDITABLE FILE AT PERRY SITE.
 - ENVIRONMENTAL QUALIFICATION
 - + DOCUMENTATION FOR IEEE 323-1971 AT NSSS VENDOR.
 - + PQC IN AUDITABLE FILE AT PERRY SITE.

- NO FURTHER ENGINEERING ACTION FOR MILD ENVIRONMENT SAFETY RELATED EQUIPMENT.

PRODUCT QUALITY CERTIFICATION

CUSTOMER/PROJECT PERRY I		PRODUCT NAME PANEL MODULE		MPL NO. H13-U737
PART/DRAWING NO. 865E758 G001	PL 1 / REV 4/2 <i>DWG</i>	QUALITY REQUIREMENTS DOCUMENT 865E758 G001	PL 1 / REV 4/2 <i>DWG</i>	QUANTITY 1

THIS IS TO CERTIFY THAT THE PRODUCTS IDENTIFIED HEREIN HAVE BEEN MANUFACTURED UNDER A CONTROLLED QUALITY ASSURANCE PROGRAM AND ARE IN CONFORMANCE WITH THE PROCUREMENT QUALITY REQUIREMENTS INCLUDING APPLICABLE CODES, STANDARDS AND SPECIFICATIONS AS IDENTIFIED IN THE ABOVE-REFERENCED DOCUMENTS, UNLESS NOTED BELOW. ANY SUPPORTING DOCUMENTATION IS EITHER ATTACHED, OR WILL BE FORWARDED OR RETAINED IN ACCORDANCE WITH CONTRACTUAL REQUIREMENTS.

SIGNED: *E. Sanchez* DATE: 11/28/79
 TITLE: S.P.C.E. ORGANIZATION: C.&I.D. - QA.

NONCONFORMANCES FROM PROCUREMENT QUALITY REQUIREMENTS:

NONE

RECEIVED

JAN 28 1980

PNPP-SO/DC

REMARKS/EQUIPMENT SERIAL NUMBERS:

REVISION AS LISTED ABOVE, PLUS UNINCORPORATED ECN's:
 NJ14670

SHIP SHORT PER ATTACHED SHIP SHORT AUTHORIZATION
 FDI WNDT

FROM: SO/DC ✓	DATE: 1-28-80
COPIES TO:	
	<i>F. Foulke</i>
	<i>D. H. Hain</i>
	<i>C. Piley</i>
	<i>QRF 40</i>
	<i>M. J. H. Hain</i>
	<i>H. L. Hain</i>
	<i>H. L. Hain</i>

DTS 282-94864, 282-94872

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

MILD ENVIRONMENT EQUIPMENT

PERRY HAS DEVELOPED AN EQUIPMENT QUALIFICATION PROGRAM MANUAL. APPENDIX "A" IS THE ENVIRONMENTAL CONDITIONS AND LIMITS AND OUR CLASSIFICATION OF HARSH/MILD ENVIRONMENTS.

WILL THE EQB REVIEW THIS PERRY SPECIFIC DATA FOR VERIFICATION OF OUR CLASSIFICATION OF HARSH/MILD ENVIRONMENTS?

SPARE PARTS PROCUREMENT

A method for the procurement of spare parts that will not invalidate Perry Plant's Equipment Qualification Program.

This program is based upon:

1) Quality Items List PA0304

A procedure to provide a file that details the safety classification and seismic category for plant equipment and their respective component parts.

2) Procurement of Services, Spare Parts Material and Replacement Components PA 0402

Establishment of the requirements for the procurement of items without using or amending an existing purchase agreement.

3) Engineering Evaluation Basis Document (EEB)

The Procurement Document Engineering Evaluation Basis Form documents that safety-related, seismic-category, and special QA required items are requisitioned under requirements at least equivalent to that of the original equipment, or those specified by a properly reviewed and approved revision of CAI, CE, or other design agent's procurement specification. It demonstrates that sufficient design information is available in existing, approved design documents. The basis form information also provides the input to maintain the Q-List accurate and current.

A MULTILEVEL PROCUREMENT POLICY IS PROPOSED TO PROVIDE
THE PROCEDURE TO COMPLETE AN EEB.

THE EEB WILL BE THE VEHICLE TO DOCUMENT HOW THE DECISIONS
WERE REACHED.

QUESTIONS REMAIN ON HOW TO FILL OUT AN EEB.

What are the receipt inspection requirements?

The QA Requirements?

The Procurement Requirements?

The multilevel procurement procedure would delineate lists of each type.

QA	Receipt Inspection	Procurement	Other
1.	1.	1.	1.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
i	i	i	i

The engineer filling out the EEB would then only have to list the ones he wants on the EEB.

QA requirements
Receipt Inspection
Procurement

r,s,---
m,p,q,---
e,f,g,h,---

The question remains, how does the engineer know which ones to include on each EEB?

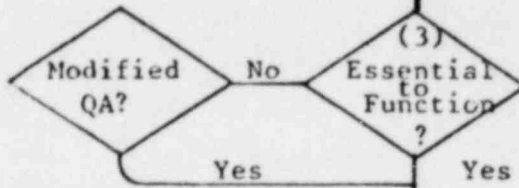
Answer: Multilevel procurement, a logic flow path to enable the engineer a means of selecting the necessary requirements.



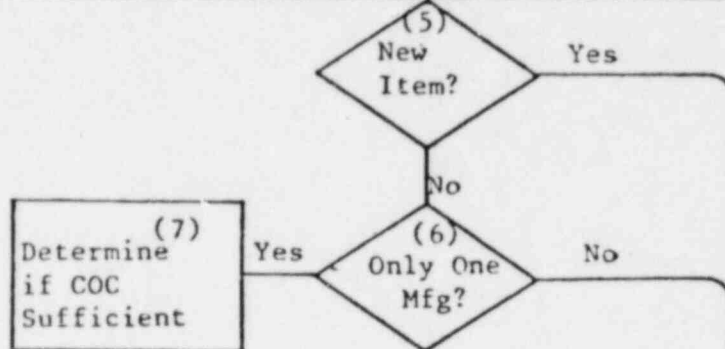
ITEM (1)

(2)
Q-List
PAP-0304

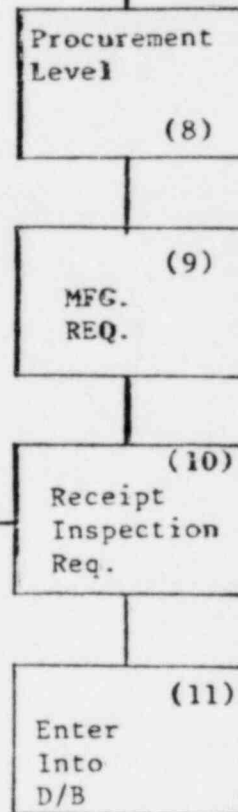
Commercial NO
Quality



PHASE II



PHASE III



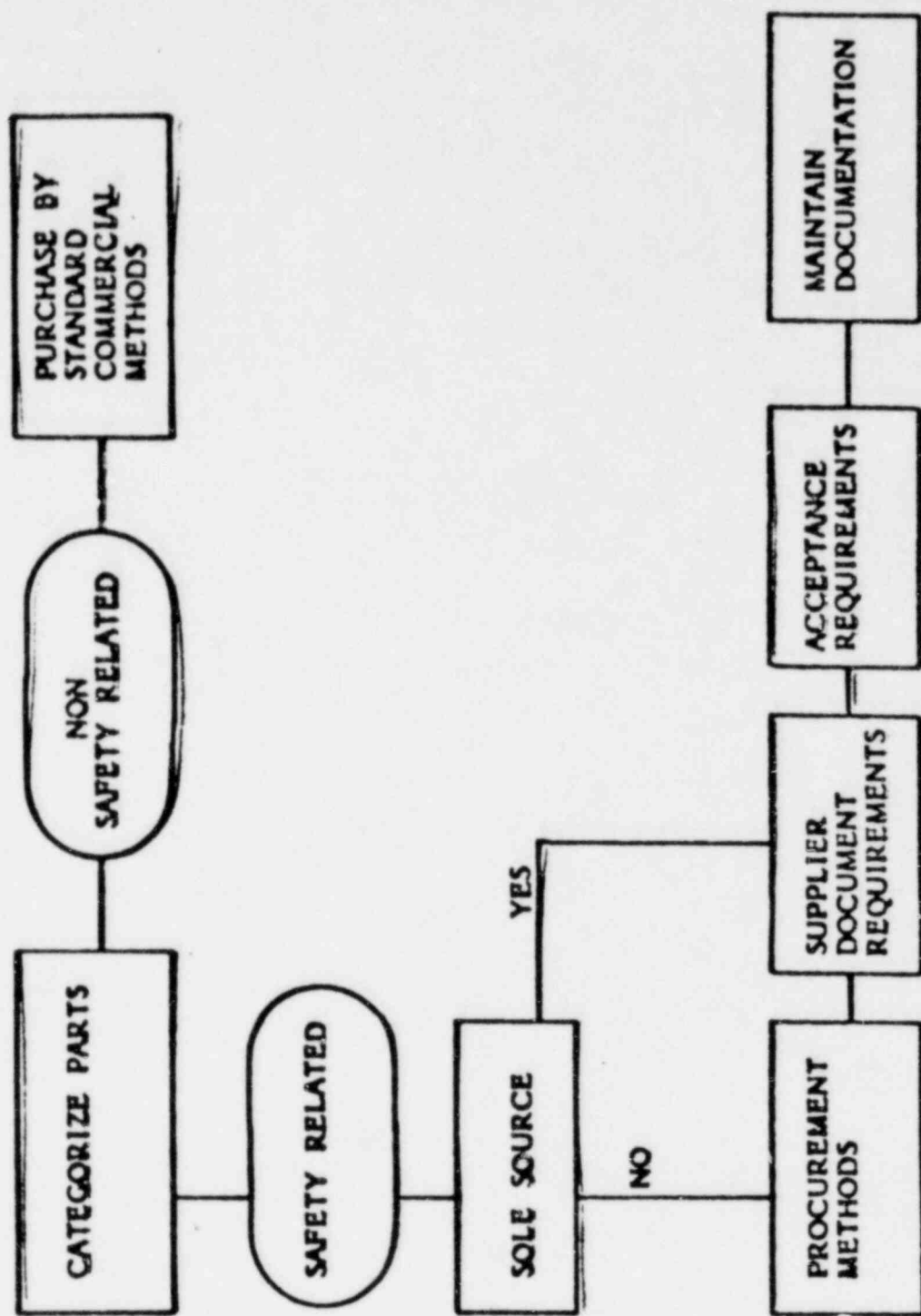
**METHODOLOGY
FOR
PROCUREMENT OF PARTS
FOR
SAFETY-RELATED EQUIPMENT
AT
PERRY NUCLEAR POWER PLANT
UNITS 1 AND 2**



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

DEFINITIONS

- SYSTEM: A COLLECTION OF COMPONENTS, EQUIPMENT, VALVES, INSTRUMENTS, PIPING, CABLING, AND ASSOCIATED STRUCTURES THAT PERFORM A FUNCTION.
- COMPONENT: A PIECE OF EQUIPMENT, VALVE, INSTRUMENT, PIPING, CABLING OR ASSOCIATED STRUCTURE USED IN A SYSTEM.
- SUBASSEMBLY: A PIECE OF A COMPONENT CONSISTING OF A NUMBER OF PARTS.
- PART: AN INDIVIDUAL ITEM FROM WHICH EQUIPMENT, VALVES, INSTRUMENTS, AND ASSOCIATED STRUCTURES ARE ASSEMBLED.



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

CATEGORIZE PARTS

- EXTEND Q-LIST TO IDENTIFY ALL SPECIFIC SAFETY-RELATED EQUIPMENT, VALVES, INSTRUMENTS. (ELECTRICAL AND MECHANICAL)
- DETERMINE SPECIFIC SAFETY FUNCTION(S) FOR EACH EVENT (MODE OF OPERATION)
- DETERMINE PARTS THAT ARE REQUIRED TO OPERATE OR THAT CANNOT FAIL IN ORDER TO SUPPORT THE SAFETY FUNCTION
- CATEGORIZE PARTS AS NON-SAFETY RELATED OR SAFETY RELATED
- DETERMINE STRUCTURES AND CONSUMABLES NEEDED TO SUPPORT COMPONENT SAFETY FUNCTIONS



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

SOLE SOURCE

- DETERMINE WHICH SAFETY-RELATED PARTS ARE REPLACEMENT PARTS/CONSUMABLES
- CATEGORIZE THE REPLACEMENT SAFETY-RELATED PARTS/CONSUMABLES INTO TWO GROUPS:
 - 1) THOSE THAT MUST BE PROCURED FROM A SOLE SOURCE
 - 2) THOSE THAT MAY BE PROCURED FROM MORE THAN ONE SOURCE
- ESTABLISH GENERIC PARTS, WHERE POSSIBLE



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

PROCUREMENT METHOD

● DETERMINE METHOD OF PROCUREMENT FOR EACH PART/CONSUMABLE

● METHOD

- I. SPECIFICATION METHOD
- II. REPLACEMENT IN KIND METHOD
- III. VERIFICATION METHOD
- IV. CATALOG MEHTOD
- V. COMMERCIAL METHOD

SUPPLIER QA SYSTEM REQUIREMENTS

- 10CFR50 APPENDIX B REQUIREMENTS FOR EACH PROCUREMENT METHOD
 - I. SPECIFICATION METHOD - REQUIRED
 - II. REPLACEMENT IN KIND METHOD - REQUIRED
 - III. VERIFICATION METHOD - NOT REQUIRED
 - IV. CATALOG METHOD - QA PROGRAM REQUIRED NOT TO 10CFR50
 - V. COMMERCIAL METHOD - NOT REQUIRED
- PARTICIPATE IN NATIONAL INDUSTRY QA SURVEY SYSTEM



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

SUPPLIER DOCUMENT REQUIREMENTS

- I. SPECIFICATION METHOD: IN ACCORDANCE WITH THE SPECIFICATION
COULD INCLUDE MATERIAL TEST REPORTS, SPECIAL TEST REPORTS, C OF
C, ETC.
- II. REPLACEMENT IN KIND METHOD: SUPPLIER C OF C (SOLE SOURCE)
- III. VERIFICATION METHOD: NONE
- IV. CATALOG METHOD: SUPPLIER C OF C
- V. COMMERCIAL METHOD: NONE



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

ACCEPTANCE REQUIREMENTS

- I. SPECIFICATION METHOD: SOURCE VERIFICATION, RECEIVING INSPECTION
OR SUPPLIER C OF C
- II. REPLACEMENT IN KIND METHOD: SOURCE VERIFICATION, RECEIVING
INSPECTION, OR SUPPLIER C OF C
- III. VERIFICATION METHOD: RECEIVING INSPECTION OR INDEPENDENT
TESTING LABORATORY
- IV. CATALOG METHOD: RECEIVING INSPECTION OR SUPPLIER C OF C
- V. COMMERCIAL METHOD: RECEIVING INSPECTION



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

MAINTAIN DOCUMENTATION

- COMPUTER DATA BASE
- COMPONENT DOCUMENTATION FILE AND MAINTENANCE RECORDS
- PART DOCUMENTATION FILE
- SUPPLIER FILE, QA RECORDS



TORREY PINES TECHNOLOGY
A DIVISION OF GENERAL ATOMIC COMPANY

PERRY NUCLEAR POWER PLANT
EQUIPMENT QUALIFICATION
ENVIRONMENTAL QUALIFICATION
OF MECHANICAL EQUIPMENT

● WHAT PERRY HAS DONE

- CONDUCTED STUDY TO DETERMINE SYSTEMS REQUIRED FOR THE SIX SAFETY OBJECTIVES.
- IDENTIFIED ORGANIC PARTS AND COMPONENTS FOR BOP EQUIPMENT. (ELECTRICAL AND MECHANICAL)

● WHAT PERRY WILL DO

- IDENTIFY ORGANIC PARTS AND COMPONENTS FOR NSSS EQUIPMENT. (ELECTRICAL AND MECHANICAL)
- DEVELOP PROCEDURES TO PROCURE PARTS AND COMPONENTS COMMENSURATE WITH THE SPECIFIC SAFETY FUNCTION(S).
- ESTABLISH A SOUND PREVENTITIVE MAINTENANCE PROGRAM.

PERRY NUCLEAR POWER PLANT
EQUIPMENT QUALIFICATION IVRS

- o WHAT IS REGION IV CHARTER ON IVRS?
- o IS THERE ANY OVERLAP IN RESPONSIBILITIES OR REVIEW?
- o WHAT IS THE BASIS FOR REGION IV REVIEW CRITERIA?
- o WHO RESOLVES CONFLICTS BETWEEN REGION IV AND UTILITY?

PROGRAM FOR JUSTIFYING INTERIM OPERATION OF THE PLANT
DURING ENVIRONMENTAL QUALIFICATION OF CLASS 1E EQUIPMENT

QUADREX

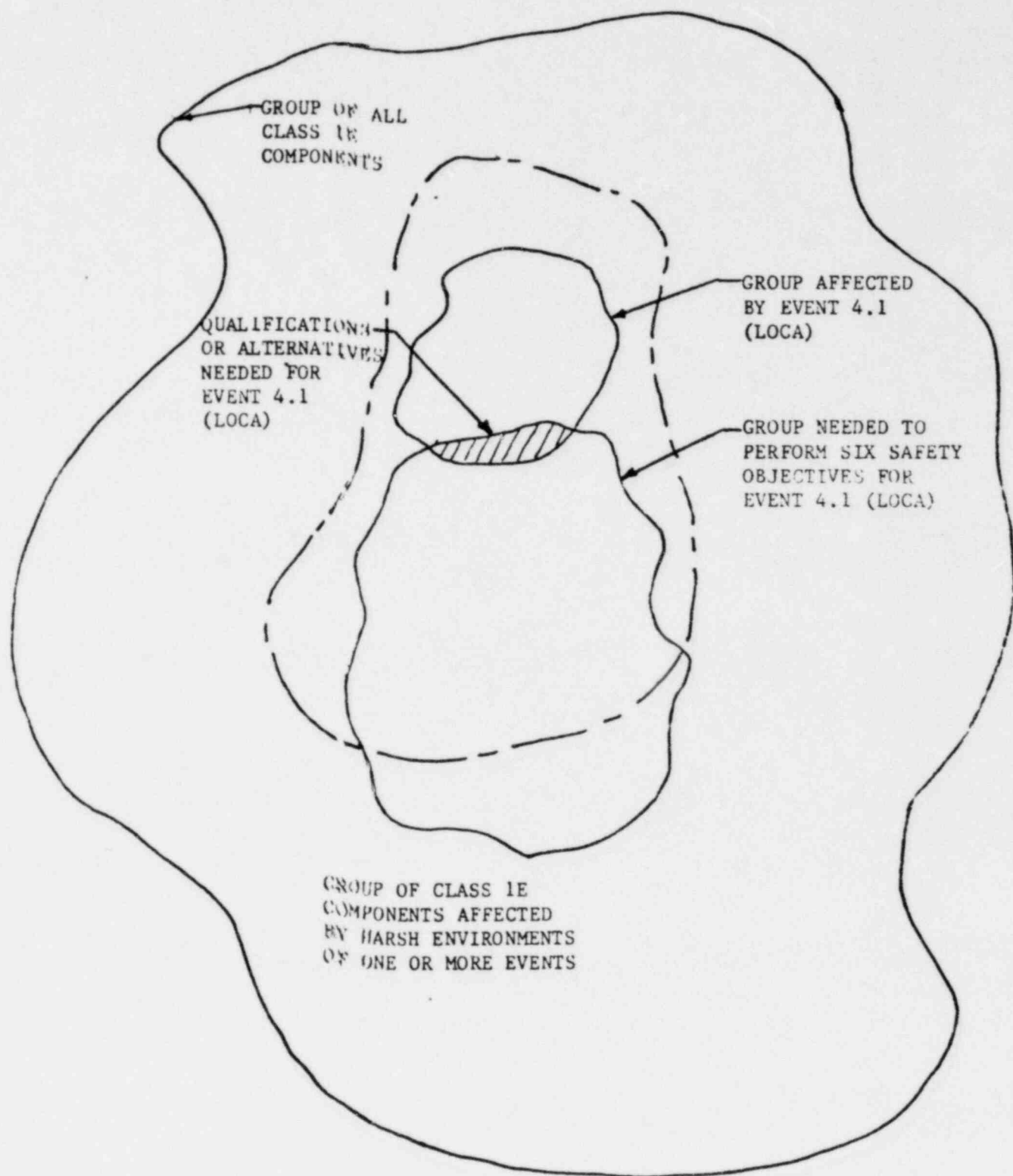


FIGURE 1-2: GRAPHIC REPRESENTATION OF THE SEGMENTED TREATMENT OF ACCIDENTS AND REQUIRED EQUIPMENT TO DETERMINE THE BASIS FOR INTERIM OPERATION.

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

JUSTIFICATION FOR

INTERIM OPERATION

THE PERRY STUDY BEING CONDUCTED FOR
JUSTIFICATION OF INTERIM OPERATION
WILL BE COMPLETED BY JULY 1, 1982.

WILL THE EQB REVIEW THIS REPORT?

HOW SHOULD IT BE SUBMITTED?

WHEN SHOULD IT BE SUBMITTED?

PERRY NUCLEAR POWER PLANT

EQUIPMENT QUALIFICATION

GE PHASE III STATUS

- TOPICAL REPORT MOVING ALONG ON SCHEDULE
- NRC START REVIEW JUNE 1982
- 5 EXAMPLES BEING DEVELOPED USING TOPICAL PROCEDURES