

**Commonwealth Edison**

One First National Plaza, Chicago, Illinois
 Address Reply to: Post Office Box 767
 Chicago, Illinois 60690

DMB

March 12, 1985

PRIORITY ROUTING	
First	Second
RA	ERC
ORA	SGA
ORP	ML
DRS	OL
DRSS	IOI
DRMA	PAO

FILE *lee*

Mr. James G. Keppler
 Regional Administrator - Region III
 U.S. Nuclear Regulatory Commission
 799 Roosevelt Road
 Glen Ellyn, IL 60137

Subject: Braidwood Station Units 1 & 2
 Braidwood Construction Assessment Program
 Monthly Meeting Minutes/Monthly Report
Docket No. 50-456 and 50-457

Dear Mr. Keppler:

The sixth open briefing on the status of the BCAP effort was provided to the NRC on February 14, 1985 at the Mazon EOF. Forwarded herewith is a meeting summary including a copy of the visual-aid material used in the presentations. The next briefing meeting is scheduled for 9:00 a.m. on March 14, 1985 at the Mazon EOF.

Also forwarded herewith for your information is the BCAP Director's Progress Report for the month of January, 1985.

Please direct any questions relating to BCAP to Mike Wallace, Assistant Manager of Projects and the Braidwood Project Manager.

Very truly yours,

David H. Smith
 Nuclear Licensing Administrator

Attachments

cc: NRC Resident Inspector - Braidwood
 NRC BCAP Inspector - Braidwood
 John Hansel - ERC
 N. N. Kaushal - CECO

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Meeting Summary
BCAP NRC/CECo/ERC Monthly Meeting
February 14, 1985 9:00 a.m.
NRC Region III Office
Glen Ellyn, Illinois

The meeting was opened with a brief statement by R. F. Warnick of the NRC Region III giving the purpose for the meeting, that is, to discuss BCAP, it's progress, and the Independent Expert Overview Group's (IEOG) review of the BCAP. Mr. Warnick also stated that upon completion of the presentation by CECo and the IEOG, the NRC would respond to questions from the public in attendance.

The following is the agenda utilized for the remainder of the meeting.

I. Introduction

Presented by the Braidwood Project Manager to provide the major topics of the presentation (see Enclosure 1).

II. BCAP Task Force

Presented by the BCAP Director to provide the BCAP achievements for the month of October (see Enclosure 2).

III. Discrepancy Evaluation

Presented by the Sargent & Lundy Project Director to provide Sargent & Lundy's status of work (see Enclosure 3).

IV. Quality Assurance

Presented by the General Supervisor of Quality Assurance to describe the overview activities of the CECo BCAP QA group (see Enclosure 4).

V. Special Topics

Presented by the Braidwood Project Manager and the BCAP Director to cover the "Midpoint Look" at CSR Activity, Processing BCAP Identified Discrepancies and Engineering Judgement Sample Selection (See Enclosure 5).

VI. IEOG Progress Report

Presented by the Project Manager of the IEOG to describe the overview activities of the IEOG (see Enclosure 6).

Additional items discussed during the meeting are included in Enclosure 7. The attendance for the meeting is provided in Enclosure 8. The meeting adjourned at 11:15 a.m.

BRAIDWOOD CONSTRUCTION ASSESSMENT PROGRAM

(BCAP)

MONTHLY NRC STAFF BRIEFING

FEBRUARY 14, 1985

- | | | |
|------|---|-------------------------------|
| I. | INTRODUCTION | MIKE WALLACE |
| II. | BCAP TASK FORCE | NINU KAUSHAL |
| III. | DISCREPANCY EVALUATION | KEN KOSTAL |
| IV. | QUALITY ASSURANCE | NEIL SMITH |
| V. | SPECIAL TOPICS | MIKE WALLACE/
NINU KAUSHAL |
| A. | "MIDPOINT LOOK" AT CSR ACTIVITY | |
| B. | PROCESSING BCAP IDENTIFIED
DISCREPANCIES | |
| C. | ENGINEERING JUDGEMENT SAMPLE
SELECTION | |
| VI. | INDEPENDENT EXPERT OVERVIEW GROUP | JOHN HANSEL |

BRAIDWOOD CONSTRUCTION ASSESSMENT PROGRAM (BCAP)

MONTHLY BRIEFING

PRESENTED TO

REGIONAL OFFICE -- REGION III
U. S. NUCLEAR REGULATORY COMMISSION

N. N. KAUSHAL
BCAP DIRECTOR
FEBRUARY 14, 1985

CSR STATUS

	<u>COMPLETED</u>	<u>TOTAL</u>
IDENTIFICATION OF CONSTRUCTION CATEGORIES	30	30
DESCRIPTION OF POPULATIONS	30	30
IDENTIFICATION OF ITEMS IN POPULATIONS	18	30
RANDOM PORTION SELECTION	16	30
ENGINEERING JUDGEMENT PORTION SELECTION	11	30
REINSPECTION CHECKLISTS	21	28
VERIFICATION PACKAGES	1,336	2,716*
REINSPECTIONS	969	2,716*
DOCUMENTATION REVIEW CHECKLISTS	18	30
DOCUMENTATION REVIEW PACKAGES	1,013	2,527*
DOCUMENTATION REVIEWS	364	2,527*

* APPROXIMATE, CURRENT ESTIMATE

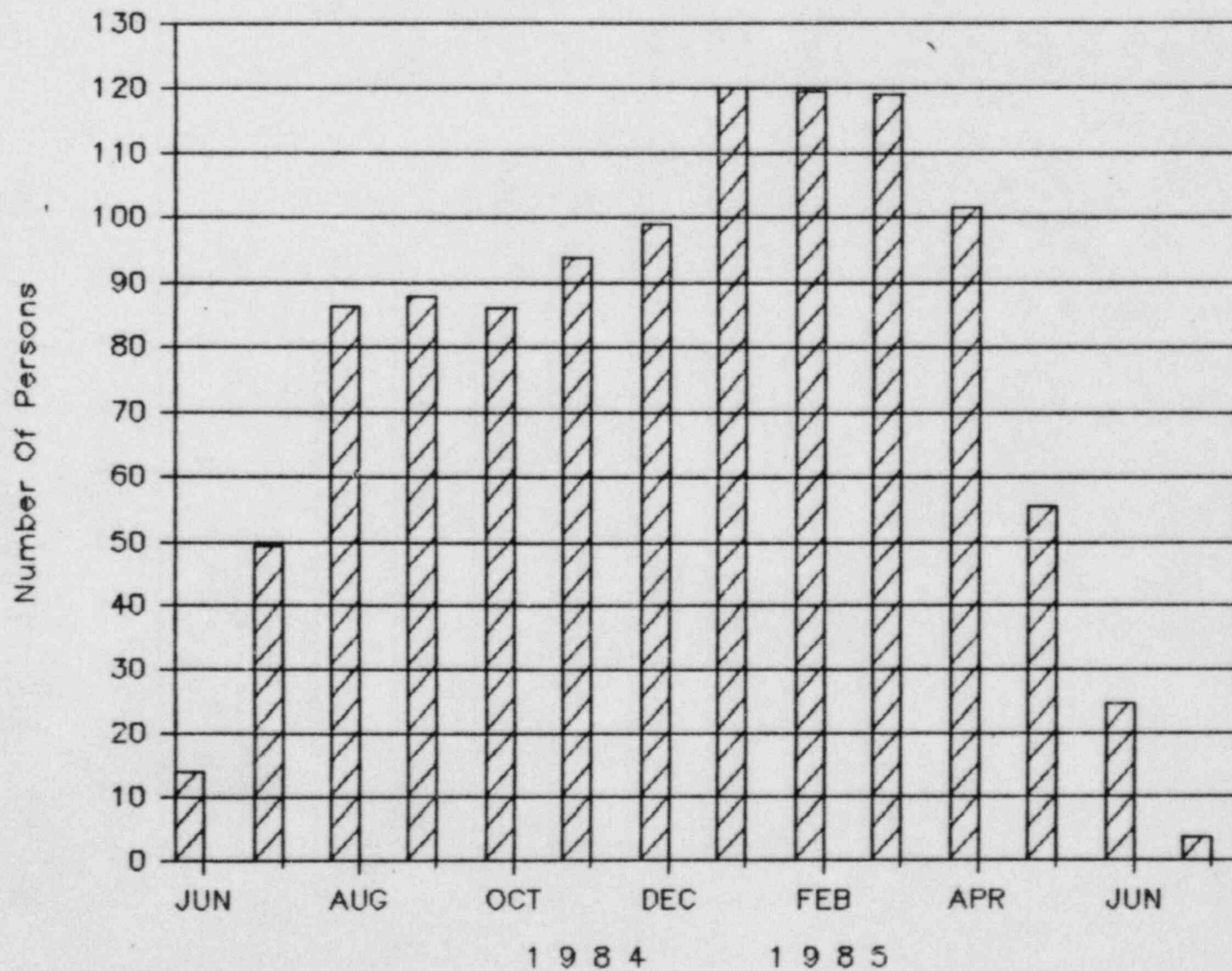
RPSR STATUS

- ° IDENTIFICATION OF CONTRACTOR PROCEDURES IS COMPLETE, TOTAL OF 500 PROCEDURES IDENTIFIED (DECEMBER, 1984)
- ° IDENTIFICATION OF CONSTRUCTION REQUIREMENTS IN FSAR COMPLETED (OCTOBER, 1984)
- ° IDENTIFICATION OF PERSONNEL QUALIFICATION AND CERTIFICATION REQUIREMENTS COMPLETED (NOVEMBER, 1984)
- ° IDENTIFICATION OF CONSTRUCTION REQUIREMENTS IN APPLICABLE SPECIFICATIONS IS COMPLETE (JANUARY, 1985)
- ° PREPARATION OF CHECKLISTS AND REVIEW OF PROCEDURES INITIATED
- ° COMPARISON OF CHECKLISTS AGAINST PROCEDURES COMPLETED FOR ONE CONTRACTOR

RSCAP STATUS

- ° ALL SCAPS ARE UNDER REVIEW (NOVEMBER, 1984)
- ° QCSSR FINAL REPORT DRAFTED AND UNDER REVIEW
(JANUARY, 1985)
- ° SAFETY-RELATED PIPE SUPPORTS REPORT IN DRAFT STAGE
(JANUARY, 1985)
- ° REINSPECTION OF SAFETY-RELATED MECHANICAL EQUIPMENT
DOCUMENTATION AND REPORT PREPARATION IN PROGRESS
- ° ELECTRICAL INSTALLATION DOCUMENTATION REVIEW
DOCUMENTATION AND REPORT PREPARATION IN PROGRESS
- ° SEVEN (7) OBSERVATIONS IDENTIFIED DURING LAST MONTH
(TOTAL TO DATE - 17)

BCAP MANPOWER



2-15-85

Enclosure 3

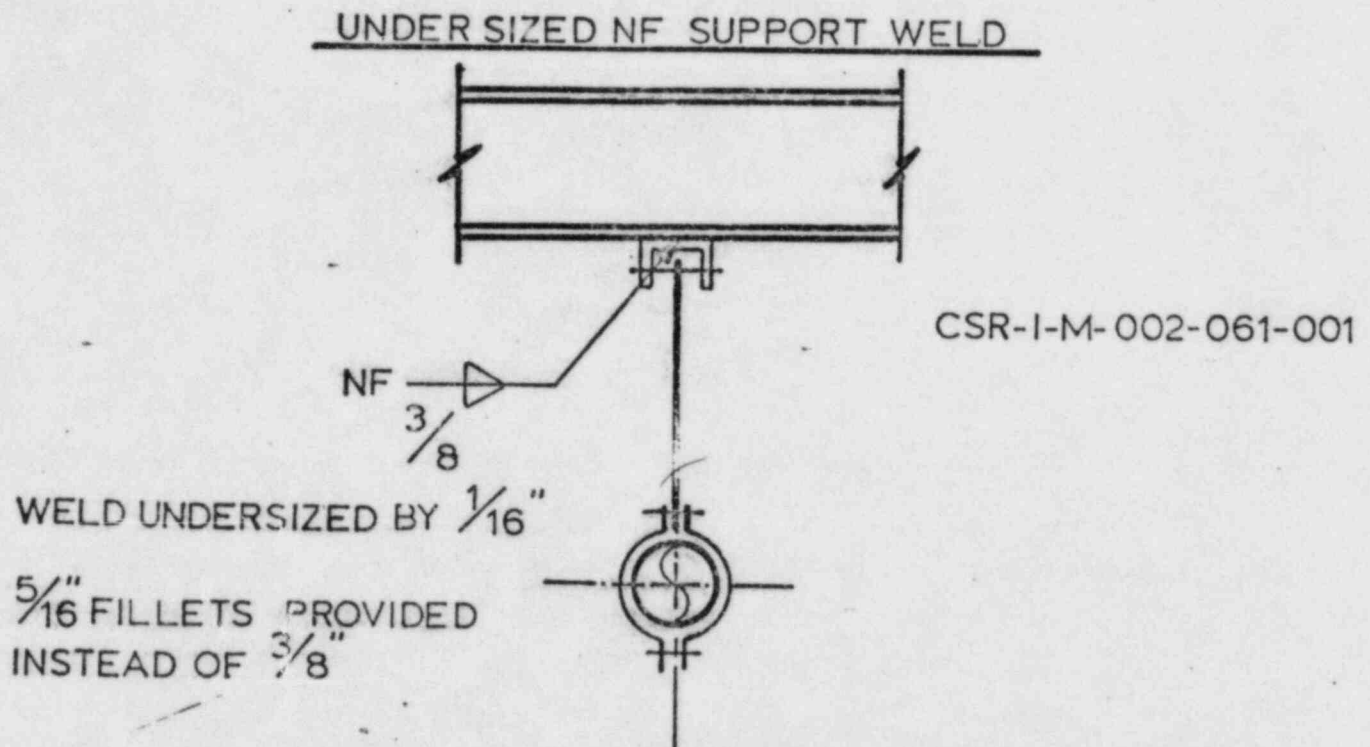
Page 1 of 8

CSR REINSPECTION DISCREPANCIES BY CONTRACTOR

<u>CONTRACTOR</u>	<u>POPULATION</u>	<u>RECEIVED</u>	<u>COMPLETED</u>
COMSTOCK	CONDUIT	171	160
	CONDUIT HANGERS	32	9
	CABLES	7	1
	CABLE PAN HANGERS	1	-
PULLMAN	DUCTS	84	49
	HVAC EQUIP. INSTALL.	40	26
	DUCT HANGERS	51	33
PHILLIPS GETSCHOW	SB PIPING	31	27
	LB PIPING	47	41
	LB RIGID SUPPORTS	36	8
	LB NON RIGID SUPPORTS	30	13
	SB SUPPORTS	39	8
NEWBERG	CONCRETE PLACEMENT	74	38
		<hr/>	<hr/>
		543	413

CSR DISCREPANCIES BY CLASSIFICATION

<u>CLASSIFICATION</u>	<u>RECEIVED</u>	<u>COMPLETED</u>
<u>WELDING</u> - UNDERCUT, UNDERSIZE POROSITY	106	53
<u>DIMENSIONAL</u> - LOCATION, LENGTH	146	104
<u>BOLTING</u> - LOOSE, MISSING, PATTERN	46	13
<u>CONCRETE SURFACE DEFECT</u>	30	15
<u>DAMAGE</u> - DENTS, HOLES	41	17
<u>WRONG MATERIAL</u> - GAUGE, SIZE	13	5
<u>INCOMPLETE</u> - SEALANT, CONNECTION	28	17
<u>EMBEDMENTS</u>	25	6
<u>FIT-UP</u> - DUCT, HANGERS, DAMPER	7	4
<u>FABRICATION</u> - CABLE PAN HANGERS FIELD FAB	1	-
<u>INVALID</u> - NOT DISCREPANT, NOT SAFETY RELATED	86	85
<u>VALVE STEM ORIENTATION</u>	14	11
<u>SEGREGATION CODE LABELS</u> - MISSING, ETC.	24	24
<u>ELECTRICAL MECHANICAL CONNECTIONS</u> - LOOSE	32	30
<u>ELECTRICAL SEPARATION</u>	18	15
<u>MISCELLANEOUS</u> - I.D. TAGS, ETC.	26	14
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	643	413

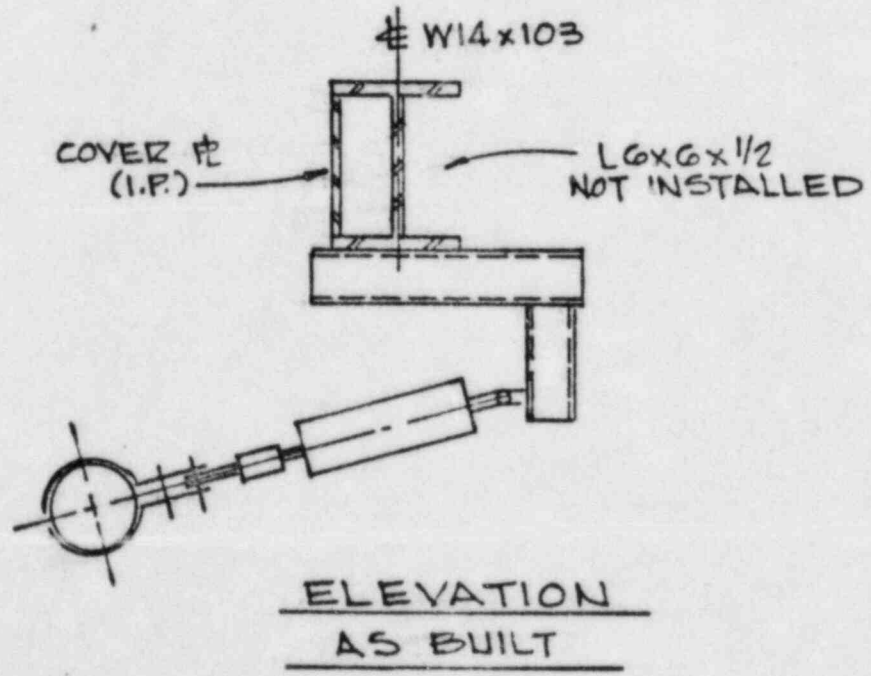
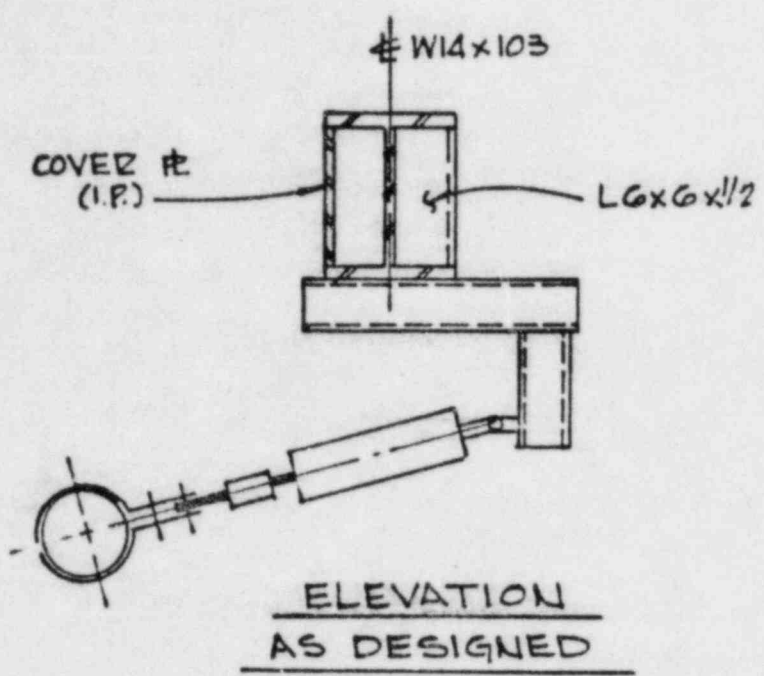


ABSENCE OF ANGLE STIFFENED ON WIDE FLANGE
BEAM SUPPORTING MECHANICAL PIPE HANGER

CSR-I-M-003-032-002

FEB. 14, 1985

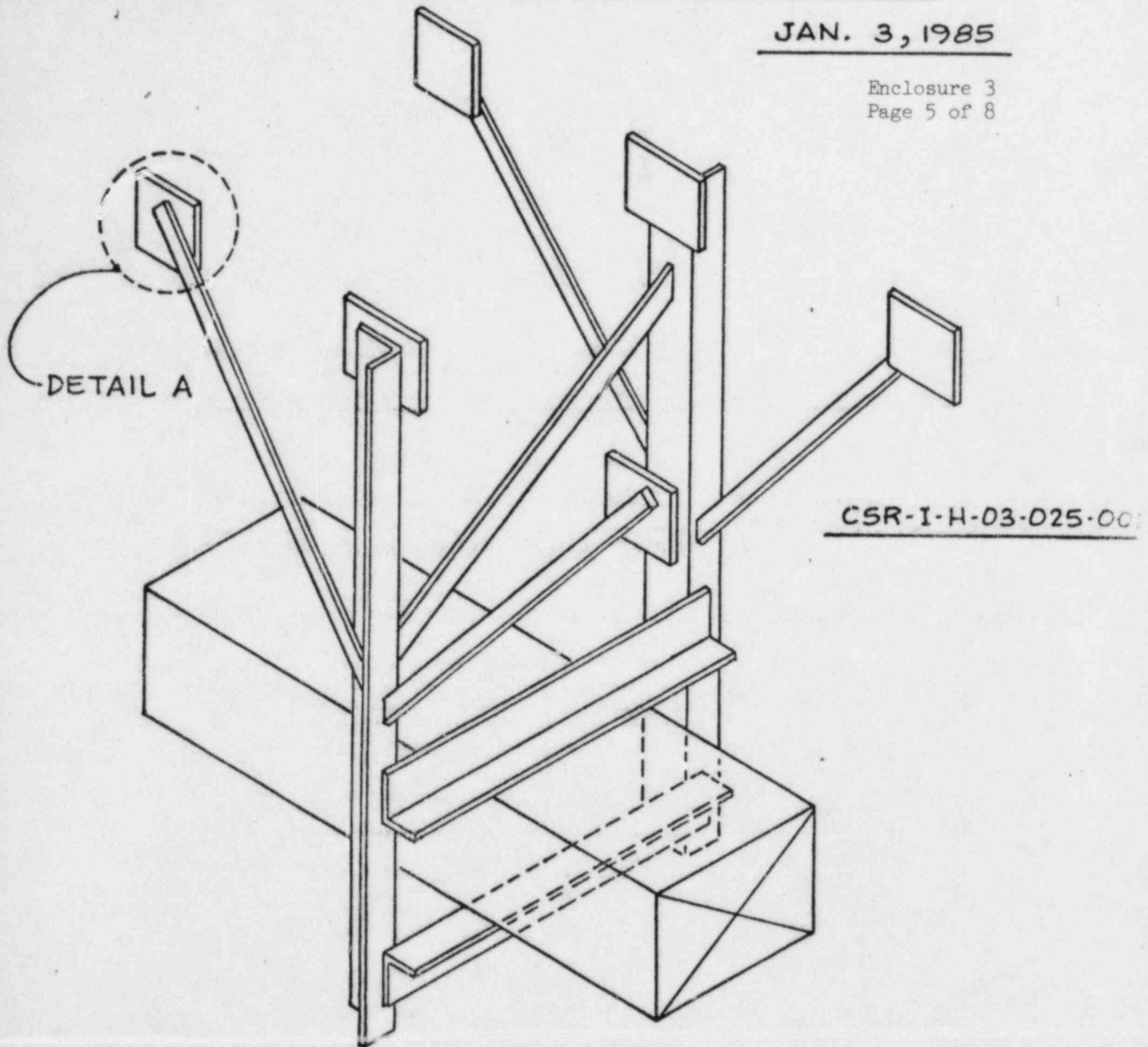
Enclosure 3
Page 4 of 8



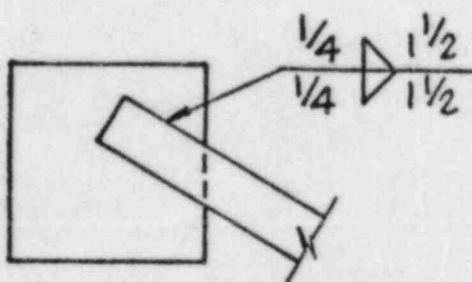
FIT-UP GAP AND UNDERLENGTH FILLET WELD ON AN HVAC SUPPORT

JAN. 3, 1985

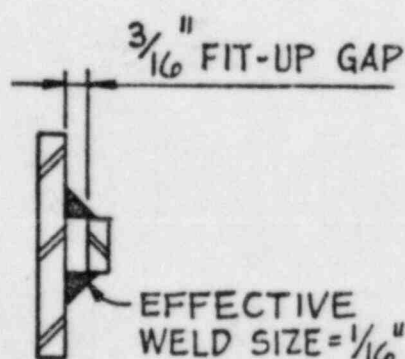
Enclosure 3
Page 5 of 8



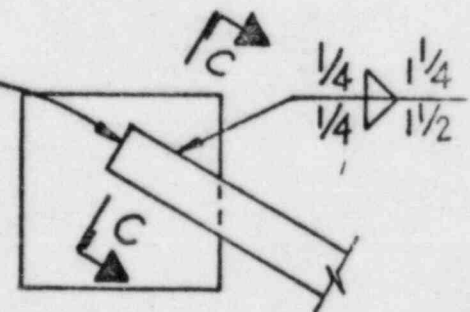
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DETAIL A
(AS-DESIGNED)



SECTION C



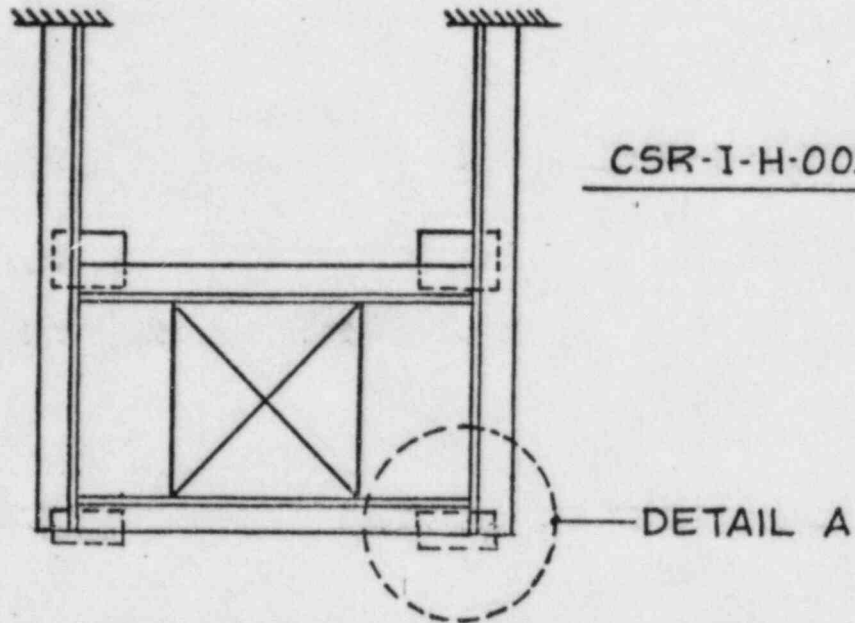
DETAIL A
(AS-BUILT)

MISSING WELD ON
AN HVAC SUPPORT

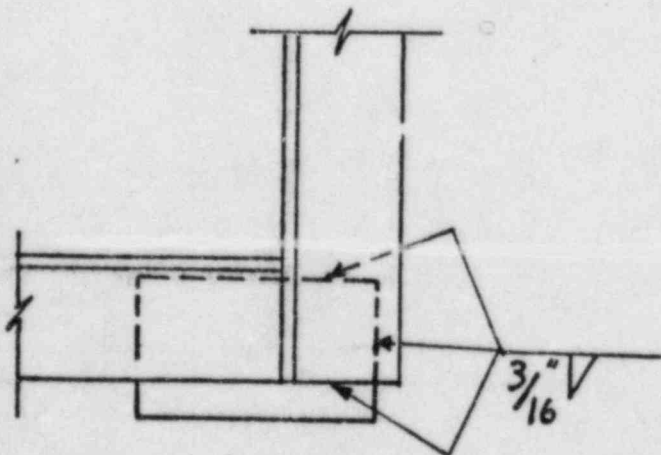
Enclosure 3
Page 6 of 8

JAN. 3, 1985

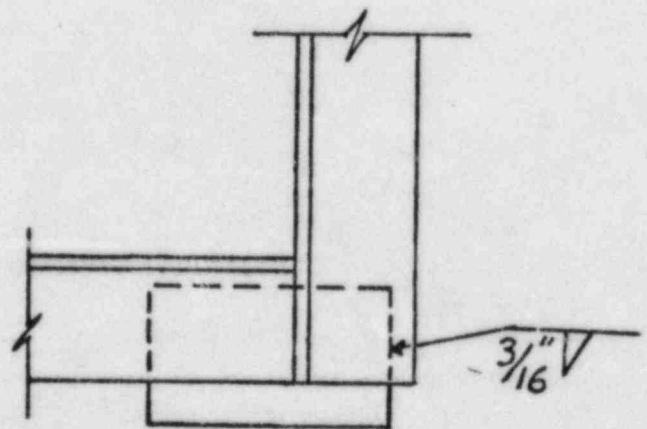
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ELEVATION



DETAIL A
(AS-DESIGNED)



DETAIL A
(AS-BUILT)

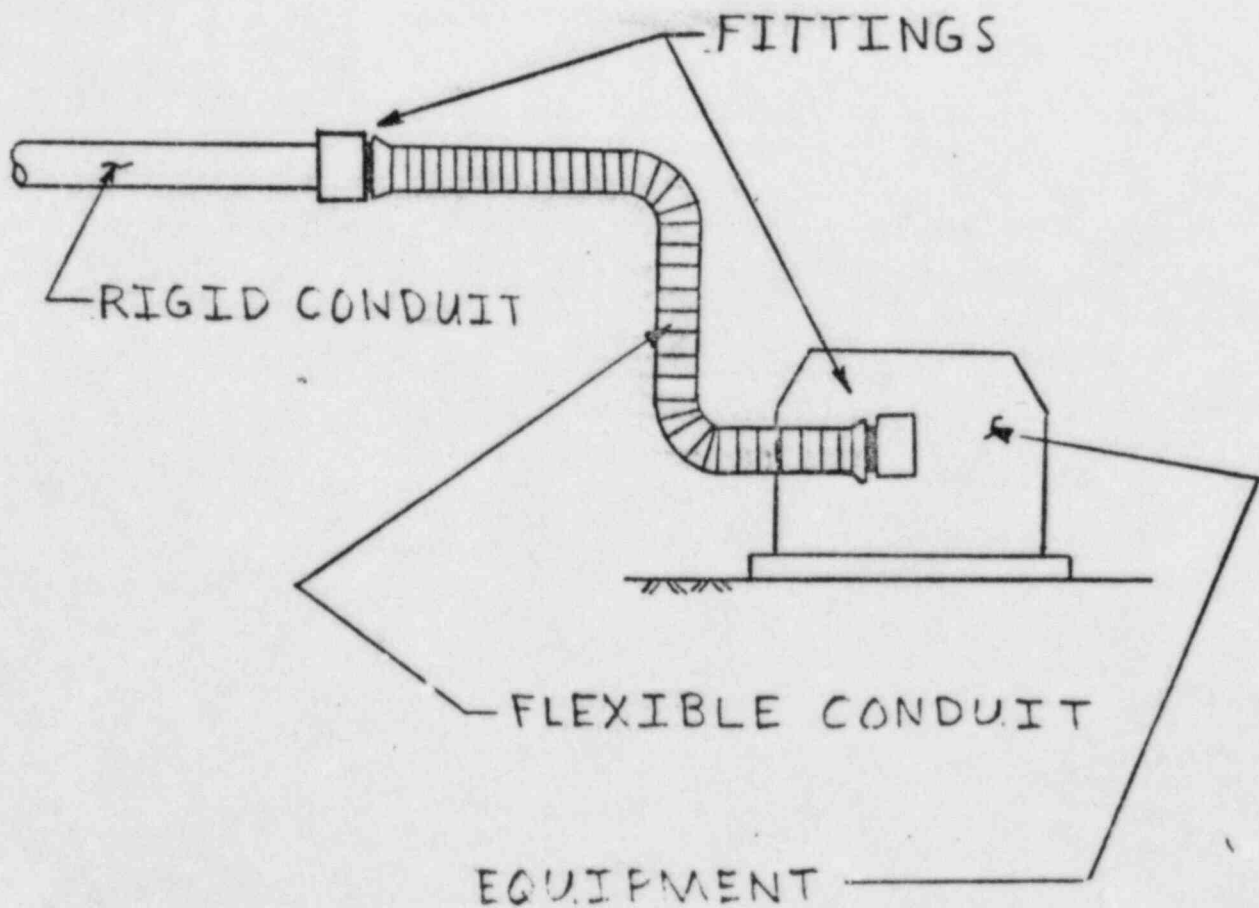
ELECTRICAL DISCREPANCY DISCUSSION

DISCREPANCY

FLEX CONDUIT FITTINGS LOOSE

A. CABLES NOT INSTALLED

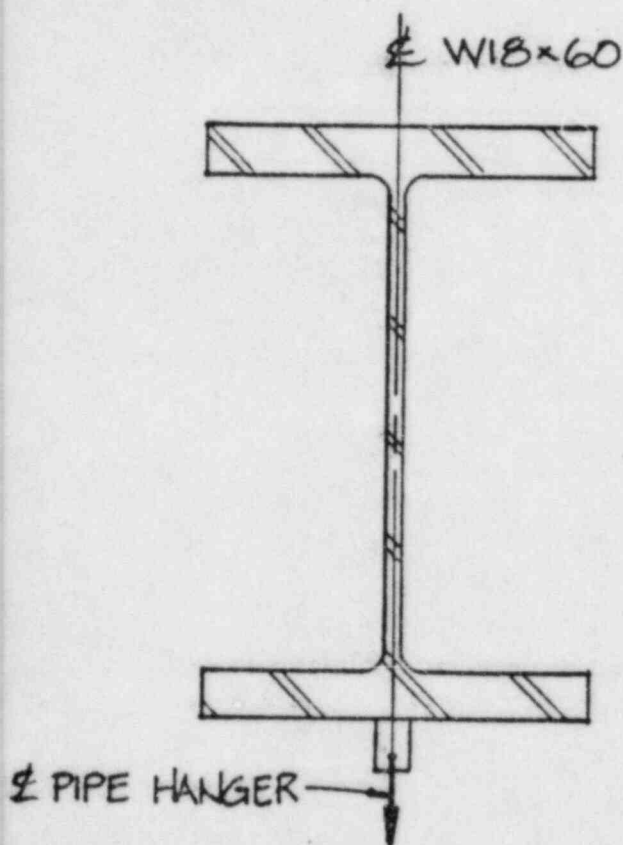
B. CABLES INSTALLED AND Q.C. ACCEPTED



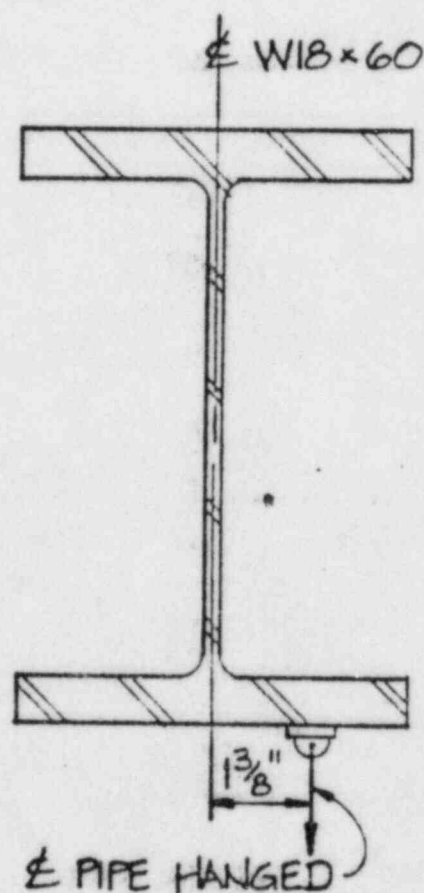
ATTACHMENT LOCATION OF MECHANICAL PIPE HANGER ON A WIDE FLANGE BEAM

FEB. 14, 1985
CSR-I-M-002-029-001

Enclosure 3
Page 8 of 8



AS-DESIGNED



AS-BUILT

BCAP Q.A.

MONTHLY BRIEFING

N. P. SMITH

FEBRUARY 14, 1985

- ORGANIZATION/PERSONNEL
- DOCUMENT REVIEWS
- AUDITS/SURVEILLANCES
- Q.A. OVERINSPECTION/OVERVIEW

ORGANIZATION/PERSONNEL

- TWO INSPECTORS HAVE BEEN ADDED

- O/O GROUP SUPERVISOR HAS BEEN REASSIGNED AS ASSISTANT TO GENERAL SUPERVISOR Q.A. FOR SPECIAL PROJECTS

- THE ASSISTANT O/O GROUP SUPERVISOR HAS BEEN DESIGNATED O/O GROUP SUPERVISOR

BCAP QUALITY ASSURANCE

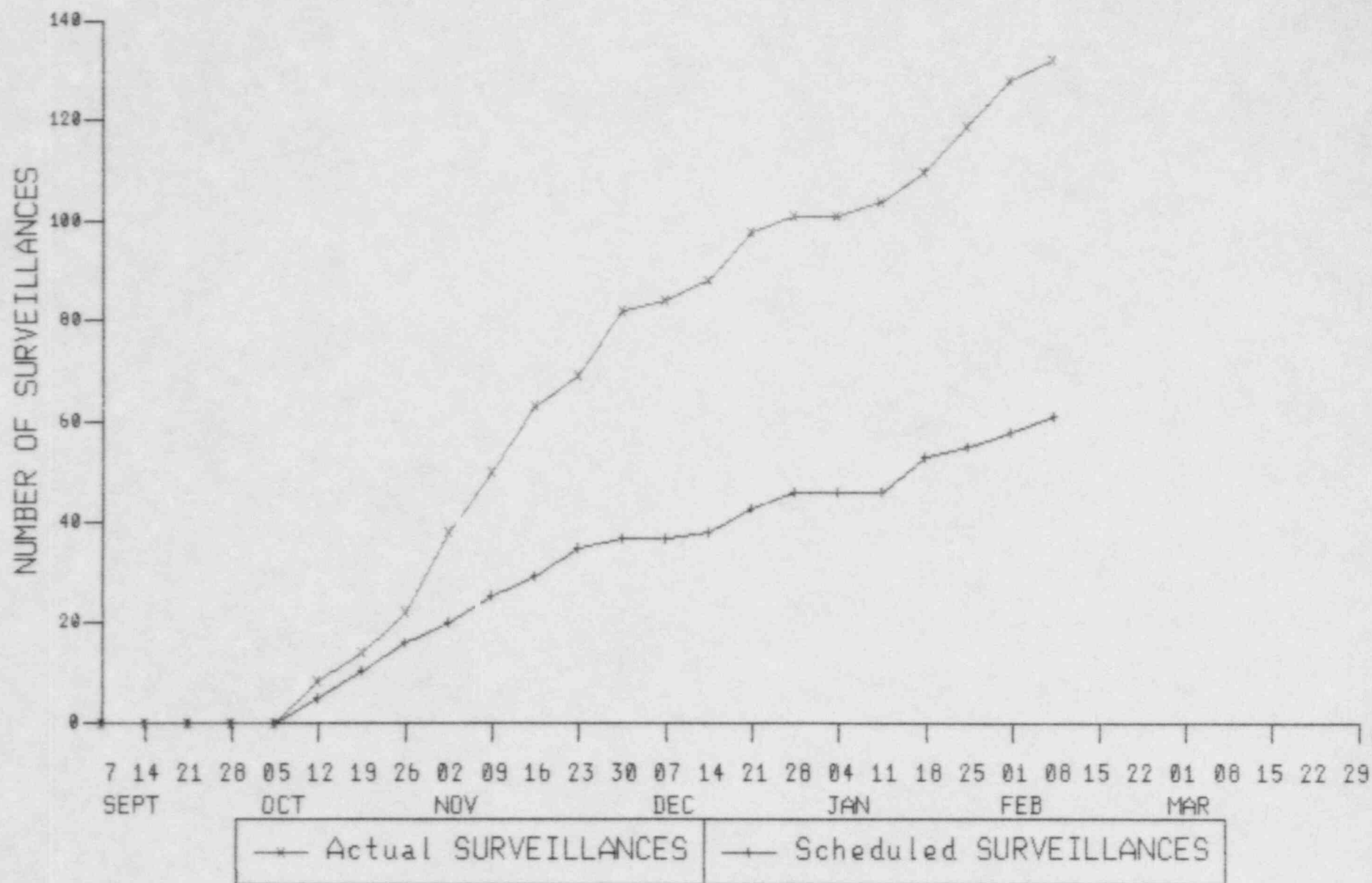
EXPERIENCE LEVELS (AVERAGE YRS. PER PERSON)

	<u>ENGINEERS/SPECIALISTS</u>	<u>INSPECTORS</u>
TOTAL EXPERIENCE	21.5	14.9
NUCLEAR EXPERIENCE	14.2	6.7
QUALITY ASSURANCE/QUALITY CONTROL EXPERIENCE	5.6	12.1

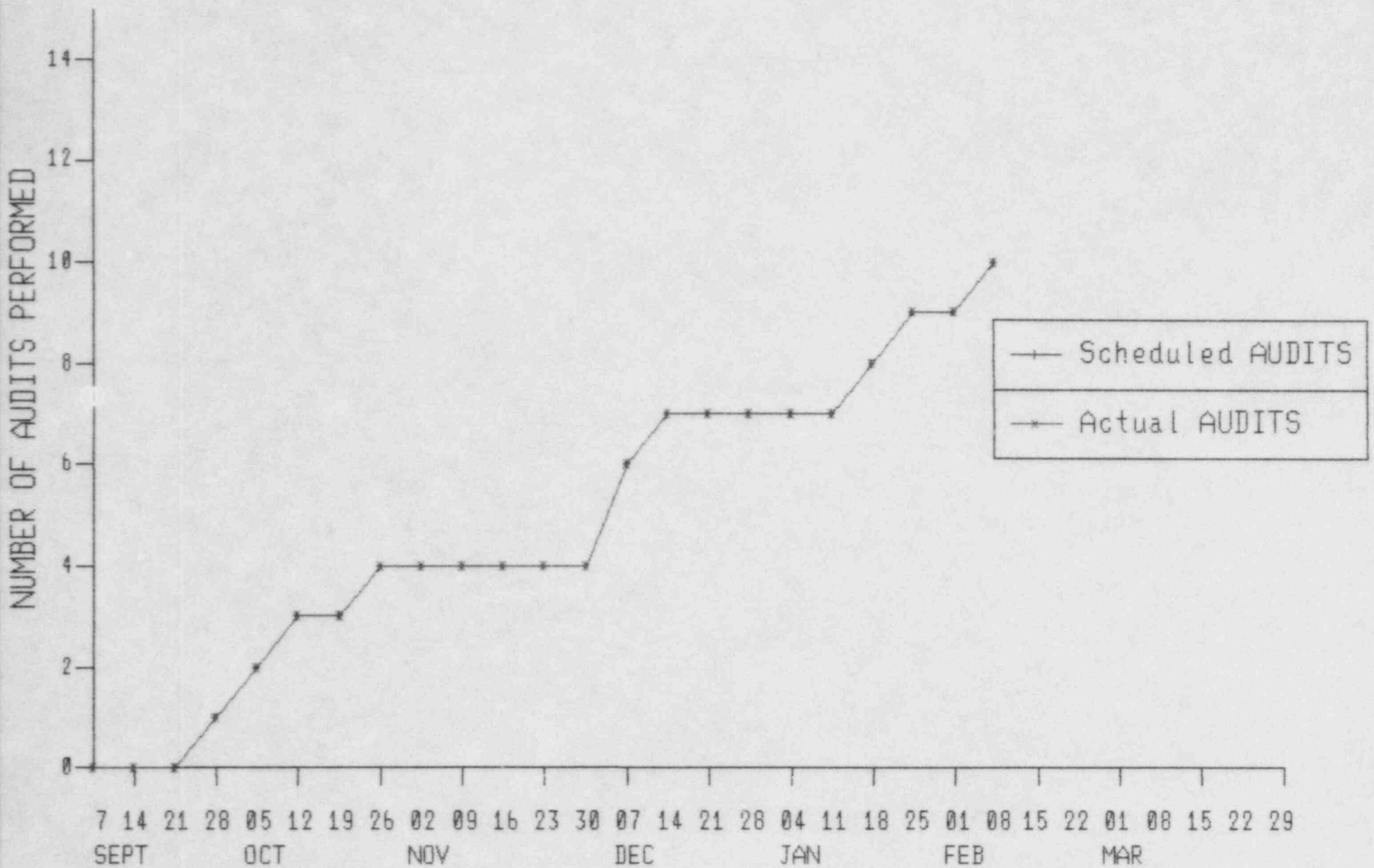
DOCUMENT REVIEWS
(JANUARY)

REVISIONS TO POLICY/PLANS	1
REVISIONS TO PROCEDURES/INSTRUCTIONS	8
REINSPECTION CHECKLISTS/INSTRUCTIONS	34
INSPECTOR CERTIFICATION PACKAGES	9
	<hr/>
	52

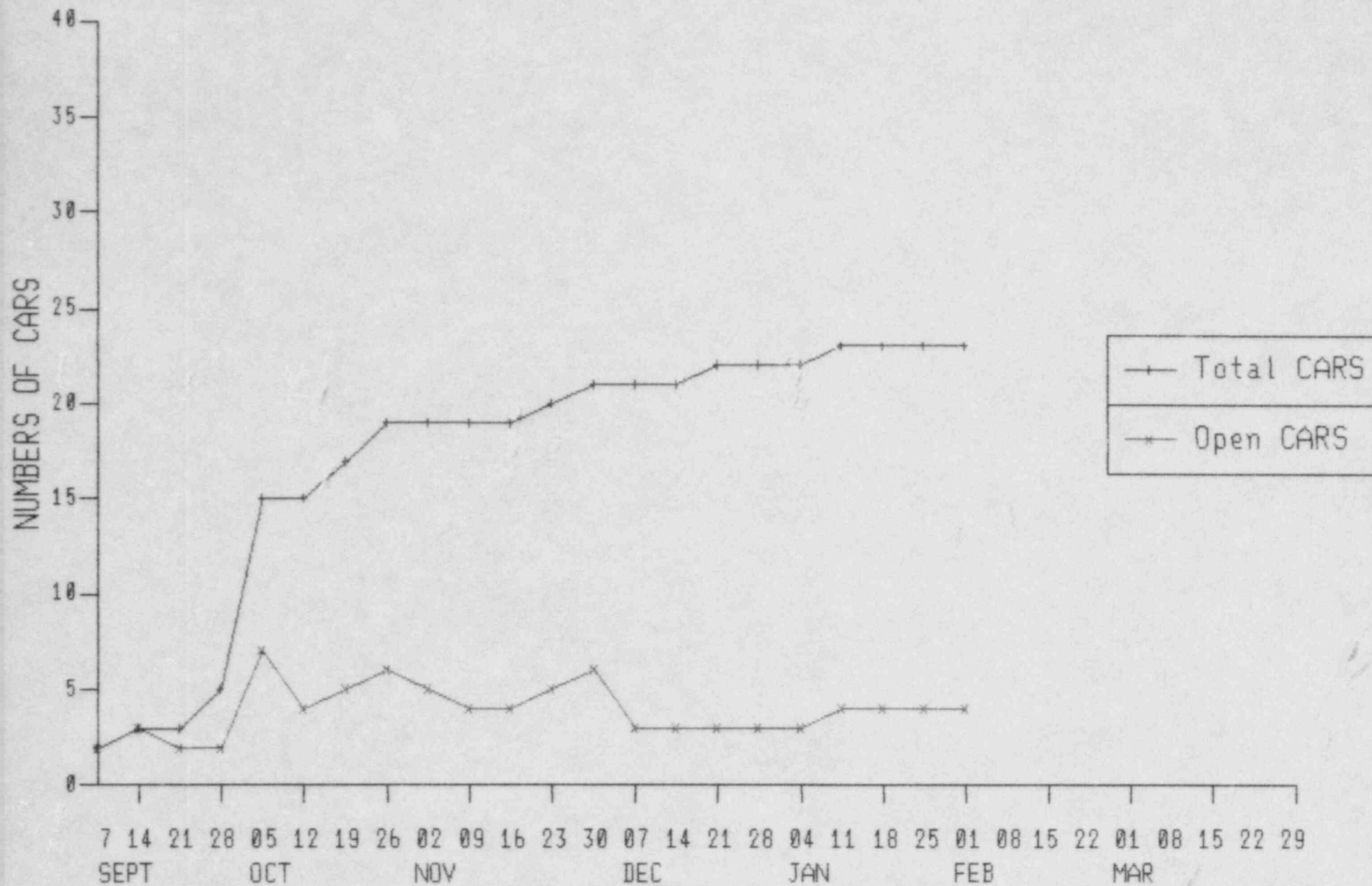
BCAP QUALITY ASSURANCE SURVEILLANCES



BCAP QUALITY ASSURANCE AUDITS



CORRECTIVE ACTION REQUESTS



Q.A. OVERINSPECTION/OVERVIEW

- COMMENDED^C INSPECTION ON 12/27/84
- PERFORMED OVERINSPECTION IN 14 POPULATIONS
- COMPLETED 66 OF 80 (82%) INSPECTIONS PLANNED TO DATE

(2735A)

PRELIMINARY OVERINSPECTION SUMMARY

Population	No of Packages	Objective %	Subjective %
Criteria		95	90
HVAC Duct	3	96	97
HVAC Equip. Installation	3	97	100
HVAC Duct Hanger	6	98	95
HVAC Sheet Metal Touch Up Galvanizing-Welds	2	100	100
Cat. I Conduit Hangers	3	Recalled for re-evaluation	
Conduit	6	99	N/A
Cable Pan	4	100	100
Cables	4	92	N/A
Small Bore Pipe Conf.	9	98	N/A
Large Bore Pipe-Rigid Supports	2	100	100
Large Bore Pipe Non Rigid Supports	6	98	96
Large Bore Pipe Configuration	8	Under Review	N/A
Small Bore Pipe Supports	8	99	99
Concrete Placement	2	Recalled for re-evaluation	

NPS/tlw (2735A)

"MIDPOINT LOOK" AT CSR ACTIVITY

A. OBSERVATIONS ON CSR ACTIVITY

- ° NRC CAT EXIT -- JANUARY 18, 1985
- ° INDEPENDENT EXPERT OVERVIEW GROUP OBSERVATIONS

"MIDPOINT LOOK" AT CSR ACTIVITY

B. ACTIONS TAKEN

- ° SUSPEND INSPECTIONS -- JANUARY 23, 1985
- ° REVIEWED INPUT ON COMPLETED INSPECTIONS
- ° IDENTIFIED AREAS FOR ADDITIONAL EVALUATION
 - MECHANICAL PIPE SUPPORTS
 - ELECTRICAL CONDUIT SUPPORTS
 - CONCRETE PLACEMENT
- ° DEVELOP ACTION PLAN FOR EACH AREA

"MIDPOINT LOOK" AT CSR ACTIVITY

C. STATUS

° MECHANICAL PIPE SUPPORTS

- REINSPECTION OF CERTAIN ATTRIBUTES
- FEEDBACK SESSION WITH INSPECTORS
- RESUMED INSPECTIONS: FEBRUARY 1, 1985

° ELECTRICAL CONDUIT HANGERS

- REINSPECTION OF CERTAIN ATTRIBUTES
- REVISION TO CHECKLIST
- FEEDBACK SESSION WITH INSPECTORS
- RESUMED INSPECTIONS: FEBRUARY 8, 1985

"MIDPOINT LOOK" AT CSR ACTIVITY

C. STATUS

° CONCRETE PLACEMENT

- ENGINEERING EVALUATING SCOPE OF REINSPECTION
- REVISING CHECKLIST
- HOLD FEEDBACK SESSION WITH INSPECTORS
- BEGIN REINSPECTION ABOUT MARCH 4, 1985

PROCESSING BCAP IDENTIFIED DISCREPANCIES

BCAP TASK FORCE SCOPE

- INSPECTORS DOCUMENTS DEVIATION -- "OBSERVATION"
- CSR ENGINEERING VALIDATES -- "DISCREPANCY"
- REVIEW ALL DISCREPANCIES FOR PROGRAMMATIC IMPLICATIONS
- EVALUATE SARGENT AND LUNDY DISPOSITION OF DISCREPANCY

SARGENT AND LUNDY SCOPE ASSOCIATED WITH BCAP

- DETERMINE DESIGN SIGNIFICANCE OF "DISCREPANCY"

- - - - -

PROJECT CONSTRUCTION DEPARTMENT SCOPE

- PROCESS NON-CONFORMANCE REPORT FOR EACH "DISCREPANCY"
- IMPLEMENT APPROVED CORRECTIVE ACTION

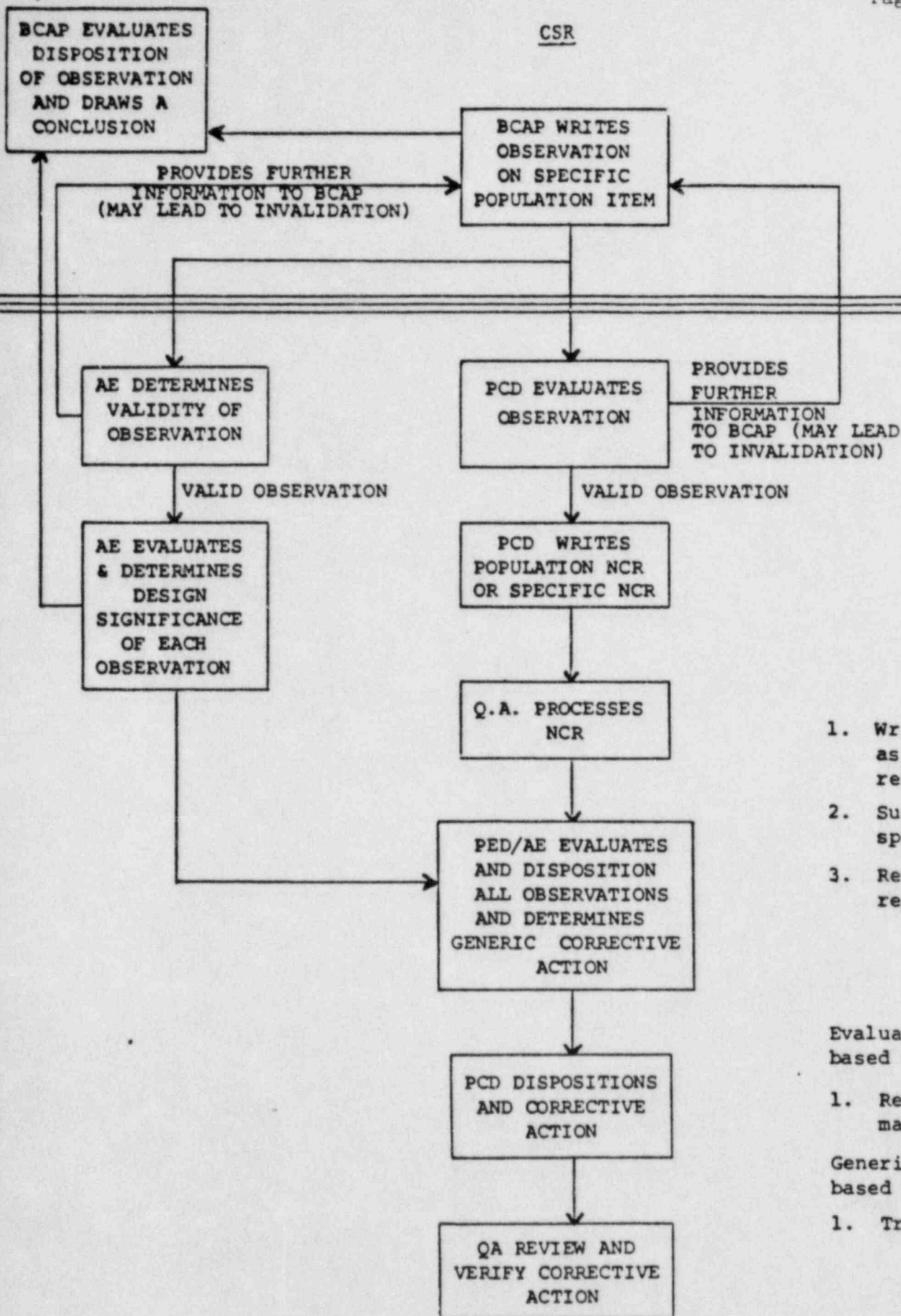
PROJECT ENGINEERING DEPARTMENT/SARGENT AND LUNDY SCOPE

- EVALUATES, DISPOSITIONS AND DETERMINES SPECIFIC AND GENERIC CORRECTIVE ACTION

CSR

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1. Writes addendum to NCR as new observations are reserved.
2. Suggests disposition of specific observation.
3. Review for 10CFR50 reporting.

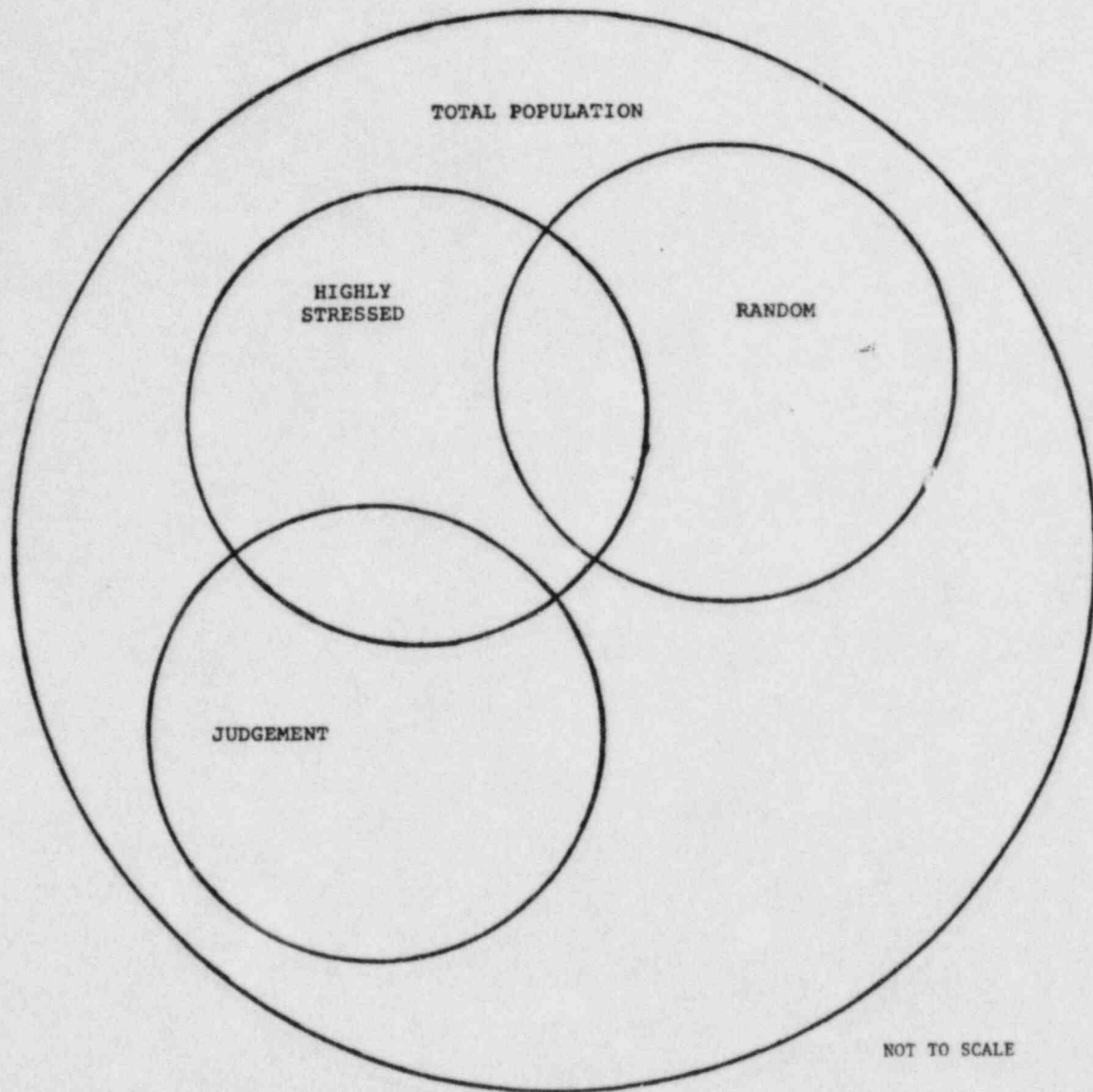
Evaluation & Disposition based on:

1. Remaining design margins.

Generic corrective action based on:

1. Trending

CSR SAMPLE SELECTION



CSR SAMPLE SELECTION

ENGINEERING JUDGEMENT	
RANDOM	JUDGEMENT
95/95	PAST DEFECTS
	SHUTDOWN SYSTEMS
	HIGH STRESS

BCAP STATUS

MEETING

for

January, 1985

INDEPENDENT EXPERT OVERVIEW GROUP

February 14, 1985

TOPICS

- o Executive Summary
- o Overview Activities
- o Closed Issues and Concerns
- o Open Issues and Concerns

OVERVIEW ACTIVITIES

REINSPECTIONS

- o Issued four IEOG observations, two on concrete and two on electrical. Added an additional inspector to the IEOG staff.

AUDITS

- o Completed audit of BCAP QA inspector recertification files - no findings, no concerns.

DOCUMENTATION REVIEW

- o Issued three IEOG observations.
- o Maintained reviews of BCAP observations, S&L design significant evaluations and PCD NCR's.
- o Maintained reviews of checklists, procedures and plans.

CLOSED ISSUES

- 1) Control points for reinspections.
- 2) Resolution of documentation problems found during small bore piping configuration review.

OPEN ISSUES

- 1) Resolution of Inspector Reinspection element of RSCAP.
- 2) Verification of the incorporation of activities to resolve IE0G observations BCAP-OBS-006, -007, and -008.
- 3) Resolution of IE0G observations BCAP-OBS-010 and -011.
- 4) Incorporation of changes to CSR documents for incorporation of modifications necessary to reflect selection of "high stress" samples.

EXECUTIVE SUMMARY

o BCAP OVERVIEW

Functioning as designed with checks and balances in place.

o CSR ELEMENT

Some rough edges during January. Concrete placement inspections on hold.

o RPSR ELEMENT

One checklist completed. Completion schedule recently extended to compensate for the volume of procedures requiring review.

o RSCAP ELEMENT

Program appears to be doing a thorough job of evaluating the elements within RSCAP.

o BCAP QA

All inspectors now recertified and in the field performing inspections.

Enclosure 7
Items Discussed at the NRC/CECo/ERC Meeting
February 14, 1985

Mr. Kaushal presented the status of the three BCAP elements. A question was raised concerning the RPSR review of site procedures in effect on 6/30/84. This question centered about the time lag between 6/30/84 and the completion of the procedure reviews. It was stated that if no concerns exist on the procedures as of 6/30/84, one can have confidence that no problem exists today. If concerns or problems are identified as of 6/30/84, these would have to be addressed on a case-by-case bases.

Mr. Kostel presented the status of processing BCAP discrepancies within Sargent and Lundy. During the presentation Mr. Keppler asked if, in the future, the discrepancies could be put in perspective with the number of items inspected rather than the number of inspection packages completed. Mr. Wallace stated that these data are being developed.

The IEOG and the NRC stated that they felt the Sargent and Lundy responses to some discrepancies need to be expanded to make the disposition clear. Mr. Kostel stated that additional back-up information clarifying their disposition is filed in the Sargent and Lundy offices. He further stated that Sargent and Lundy will expand their future responses to make their disposition clear.

Mr. Kostel completed his presentation by presenting examples of discrepancies received by Sargent and Lundy and their evaluation of these discrepancies.

Mr. Smith presented the BCAP QA activities for the month of January. During his presentation, Mr. Forney asked if BCAP QA had problems closing CAR's (Corrective Action Requests) in a timely manner. Mr. Smith stated that BCAP QA was not experiencing a problem closing the CAR's.

Mr. Wallace and Mr. Kaushal presented the special topics. The topics presented were; the "Midpoint Look" at CSR activities, the processing of BCAP identified discrepancies and the engineering judgment sample selection. At the completion of these presentations the NRC stated that they will review the information and notify BCAP if they have any questions.

Mr. Hansel presented the IEOG activities. This presentation included an executive summary, overview activities, closed issues and open issues. Mr. Hansel stated that the IEOG overview shows that BCAP is functioning as designed with checks and balances in place.

This concluded the presentation from CEC and IEOG to the NRC. At this time Mr. Warnick stated that he felt the presentation was a good one. He stated that discrepancies that are declared invalid by Sargent and Lundy need to have the basis for this clearly stated. Mr. Warnick also stated that problems that arise at this stage of BCAP need prompt attention to resolve and close the issues. He stated he was pleased with the inspection feedback sessions which have been implemented by BCAP.

The next meeting was set for March 14, 1985 at 9:00 a.m. at the Mazon E.O.F.

Meeting was adjourned at 11:15 a.m.

Enclosure 8
List of Attendees

<u>NAME</u>	<u>POSITION</u>	<u>ORGANIZATION</u>
R. A. Gardner	Reactor Inspector	Region III, NRC
R. F. Warnick	Chief, Branch 1	Region III, NRC
R. D. Schulz	Sr. Resident - Braidwood	Region III, NRC
L. G. McGregor	SRI Braidwood	Region III, NRC
W. L. Forney	Chief, Projects Section 1 A	Region III, NRC
J. G. Keppler	Regional Administrator	Region III, NRC
R. J. Lauer	Attorney	Isham, Lincoln & Beal
E. D. Swartz	Nuclear Licensing Admin.	CECO
L. O. DelGeorge	Asst. Vice-President	CECO
C. W. Schroeder	Proj. Lic. & Compliance Supt.	CECO
M. Parker	Chief, Div. of Engr.	Dept. of Nuc. Safety
D. H. Smith	Nuclear Licensing Adm.	CECO
W. E. Vahle	Proj. Field Eng. Mgr.	CECO
V. A. Hoffman	Site Manager of SWEC	SWEC
M. I. Miller	Attorney	Isham, Lincoln & Beal
L. Kline	Proj. Lic. & Compliance	CECO
D. L. Leone	Projects Eng. Mgr. - BY & BR	S&L
G. F. Marcus	Director of Quality Assurance	CECO
G. M. Orlov	Asst. Director BCAP	CECO
R. L. Byers	Asst. Director BCAP	CECO
K. T. Kostal	Project Director Braidwood	S & L
R. E. Ham	IEOG, Asst. Project Manager	ERC
J. L. Hansel	IEOG, Project Manager	ERC
N. P. Smith	General Supervisor - QA	CECO
D. L. Shamblin	Proj. Const. Superintendent	CECO
E. E. Fitzpatrick	Asst. Manager QA	CECO
T. J. Maiman	Manager of Projects	CECO
N. N. Kaushal	BCAP Director	CECO
L. S. Weiss	BCAP - SWEC Deputy Mgr.	SWEC
D. L. Farrar	Nuclear Licensing	CECO
W. L. Chase	Consultant	ERC
M. Franco	Consultant	MRF&A
E. J. Siskin	Vice-President	SWEC
M. J. Wallace	Project Mgr.	CECO

(1010J)

Enclosure 8
List of Attendees

<u>NAME</u>	<u>POSITION</u>	<u>ORGANIZATION</u>
R. C. Cannon	BCAP-QA	CECo
P. Lickus	Chief, State & Gov. Affairs	NRC
P. R. Pelke	Project Inspector	NRC

BRAIDWOOD STATION

BRAIDWOOD CONSTRUCTION ASSESSMENT PROGRAM

REPORT PERIOD JANUARY 1 - JANUARY 31, 1985

I. SUMMARY/STATUS

This is the seventh monthly progress report for the Braidwood Construction Assessment Program (BCAP), covering the period from January 1 through January 31, 1985.

In the CSR area, the pace of inspections and related evaluations has increased. Advances were made in visual inspections and document review package preparation and inspection. Visual reinspections for one population, Conduit, were completed and related observations submitted to S&L for evaluation. The RPSR effort was involved with unincorporated Field Change Requests (FCR's) and checklist development for personnel qualification/certification, construction and field coating work requirements. Progress continues on all active programs in the RSCAP element.

As of January 31, the number of personnel assigned to the BCAP effort has risen to 123. Satisfactory office and clerical support continues to be available to the BCAP work force.

II. SCHEDULE ANALYSIS

CSR activities are generally on schedule. RPSR and RSCAP activities are, respectively, six and one week behind schedule for achieving project interim milestones; however, the scheduled completion of the draft final BCAP report is not expected to be impacted.

III. PERSONNEL AND EQUIPMENT STATUS

BCAP manpower totaled 123 as of January 31. Five additional inspectors were certified during January. Inspection personnel activities included training, accessibility walkdowns, reinspections, document reviews and supplemental observation detailing (e.g., weld mapping, configuration).

Conversion of observation and verification package tracking from Mapper to the IBM system was initiated. The program and data entry for verification packages has been completed. Initial verification package tracking reports are expected to be generated by the IBM system during the first week in February. The program and data entry for observation tracking is also expected to be completed during the first week in February.

IV. BCAP ELEMENT STATUS

A. CSR STATUS

Preparation of inspection packages and performance of inspections continued. Forty-nine of 70 checklists and instructions have been prepared. Of these, 14 are being used for current inspections of plant hardware and documentation. Inspection packages are being generated at a rate of about 250 per week. Documentation reviews have begun in Concrete Placement, Conduit, and Small Bore Pipe Configuration.

Additionally, during this period, activities concentrated on 1) defining the three categories of the engineering judgment portion of the samples (related to safe shutdown, previously identified deficiencies, and high stress), 2) completing assembly of inspection packages for populations, 3) developing documentation review checklists for the group of populations for which inspections have begun, 4) developing the remaining checklists and instructions and 5) processing observations.

On January 23, based partly on concerns expressed by the NRC resident inspector and partly on BCAP internal assessments, the inspections under the CSR element were temporarily suspended and a "midpoint look" was initiated to factor-in the knowledge and ideas resulting from experience-to-date. As a result of this "midpoint look", specific actions were identified to enhance the quality of reinspection checklists and instructions and also the inspectors' understanding of these checklists and instructions. Action plans were also identified for reverification of previously completed inspections in the area of piping and electrical hangers/supports.

Inspections in the areas of concrete placement and electrical and piping hangers/supports were placed on hold pending completion of the identified actions. Inspections in other areas were resumed on January 25, 1985.

B. RPSR STATUS

During January, the RPSR group was primarily involved in identifying unincorporated Field Change Requests (FCRs) that affect specifications applicable to the RPSR effort and finalizing checklists that contain construction and personnel qualification/certification requirements. Three unincorporated FCRs were identified. Requirements from these FCRs have been added to checklists. A preliminary review of a sampling of sheets from the 29 checklists involved was conducted. Results of that review have been incorporated in 18 of the checklists. The remaining checklists will be updated in February.

Final review of the checklist for field coating work began on January 24. Comparison of contractor procedural requirements to that checklist is scheduled to start on February 4. The next checklist to be reviewed will be for inspection and testing services. Comparison of contractor procedures to this checklist is scheduled to be completed in late February.

C. RSCAP STATUS

In January, the RSCAP Group completed preparation of Commitment Lists, Procedure Review Check Lists, Implementation Review Checklists and Documentation Review Checklists for each of the Corrective Action Programs under RSCAP Review. Field Review of Contractor Implementation and Documentation Reviews were also conducted this month. Several observations have been initiated as a result. BCAP-QA conducted several surveillances of the RSCAP element with no findings.

V. PROBLEMS/DISCREPENCY FINDINGS

A. Implementation Problems

No specific implementation problems were experienced during this period.

B. Discrepancy Findings

A total of 1486 observation reports have been written as of January 31, 1985. Of these, the review for validity has been completed for 1017. Of these, 865 have been determined to be valid discrepancies. Those forwarded to S&L for design significance determination currently number 617.

As of the end of this report period, S&L has not identified any discrepancy as design significant.

VI. RECOMMENDATIONS

No specific recommendations are offered at this time.

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