

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-461/82-13(DPRP)

Docket No. 50-461

License No. CPPR-137

Licensee: Illinois Power Company
500 South 27th Street
Decatur, IL 62525

Meeting At: Visitors Center
Clinton Power Station
Clinton, IL 61727

Meeting Conducted: August 9, 1982

Meeting Attendees: James G. Keppler, Regional Administrator

8/21/82

RC Knop
R. C. Knop, Chief, Projects Branch 1

8-23-82

R. H. Walker for
H. H. Livermore, Senior Resident Inspector

8-23-82

R. L. Spessard
Approved By: R. L. Spessard, Director
Division of Project and
Resident Programs

8/23/82

Meeting Summary

Meeting on August 9, 1982 (Report No. 50-461/82-13(DPRP))

Subjects Discussed: The second in a series of meetings was held with corporate officers and staff of the Illinois Power Company at the Clinton Power Station, Clinton, Illinois. The purpose of the meeting was to discuss the existing stop work recovery plans and proposals with respect to continuing construction work activities at the Clinton Power Station.

1. Meeting Attendees

Illinois Power Company

W. G. Kelley, Chairman and President
W. C. Gerstner, Executive Vice President
L. J. Koch, Vice President, Engineering
J. O. McHood, Vice President and Project Manager
A. J. Budnick, Director of Quality Assurance
L. S. Brodsky, Assistant Plant Manager

Baldwin Associates

J. E. Findley, Manager, Quality and Technical Services
W. J. Harrington, Project Manager

U. S. Nuclear Regulatory Commission

H. H. Livermore, Senior Resident Inspector, Clinton
J. G. Keppler, Regional Administrator
R. L. Spessard, Director, Division of Project and Resident Programs
R. C. Knop, Chief, Projects Branch 1
J. H. Williams, NRR Program Manager

2. Meeting Details

A meeting was held in the Visitors Center at Clinton Power Station, Clinton, on August 9, 1982, with the aforementioned attendees, to discuss Illinois Power Company's plans of recovery from existing "stop works" as well as their proposals to justify continuation of construction because of numerous and repetitive problems.

Mr. L. S. Brodsky of Illinois Power Company, and Mr. J. E. Findley of Baldwin Associates delivered a presentation defining action being taken by the Licensee and Constructor to reduce Quality Control backlog, demonstrate that in-process work is under control, and to review progress on Stop Work Orders and associated Recovery Plans. Attached to this report is the presentation material used by Illinois Power Company.

Mr. James G. Keppler, Regional Administrator, again concluded that the presentation was too general in nature in some areas and that additional information should be provided at another meeting in September. The following matters are to be answered in detail in regard to the Recovery Plan: explicit description of re-inspection and over-inspection plans, how Quality Issues become integrated in each Recovery Plan, and explicit details with all backup information, for each Recovery Plan submitted to the NRC for concurrence. Facts, figures, and trends that were used to make the Illinois Power judgment to continue pipe, pipe hangers, and electrical hanger work are to be presented for review. Mr. Keppler also requested plans for

Quality Assurance involvement in a review of the Architect Engineers and NSS Suppliers off-site activities. Mr. Keppler noted that all the proposed Recovery Plans appear to come due at one time, in August and September. He noted that Illinois Power should be sensitive to problems as they arise, proceed in an orderly controlled manner, and be especially sensitive to false starts.

September 1982 was proposed for another meeting at the Clinton Power Station. In the meantime, all existing "stop works" are to remain in place.

IP QUALITY PROGRAM-UPDATE

8-9-82

Attachment

PURPOSE:

- **Demonstrate that in-process work has been restricted and is under control.**
- **Review the QC backlog of in-process work and progress being made toward reducing the backlog.**
- **Review progress of Stop Work Orders and of the Recovery Team's Plan for addressing identified quality concerns.**

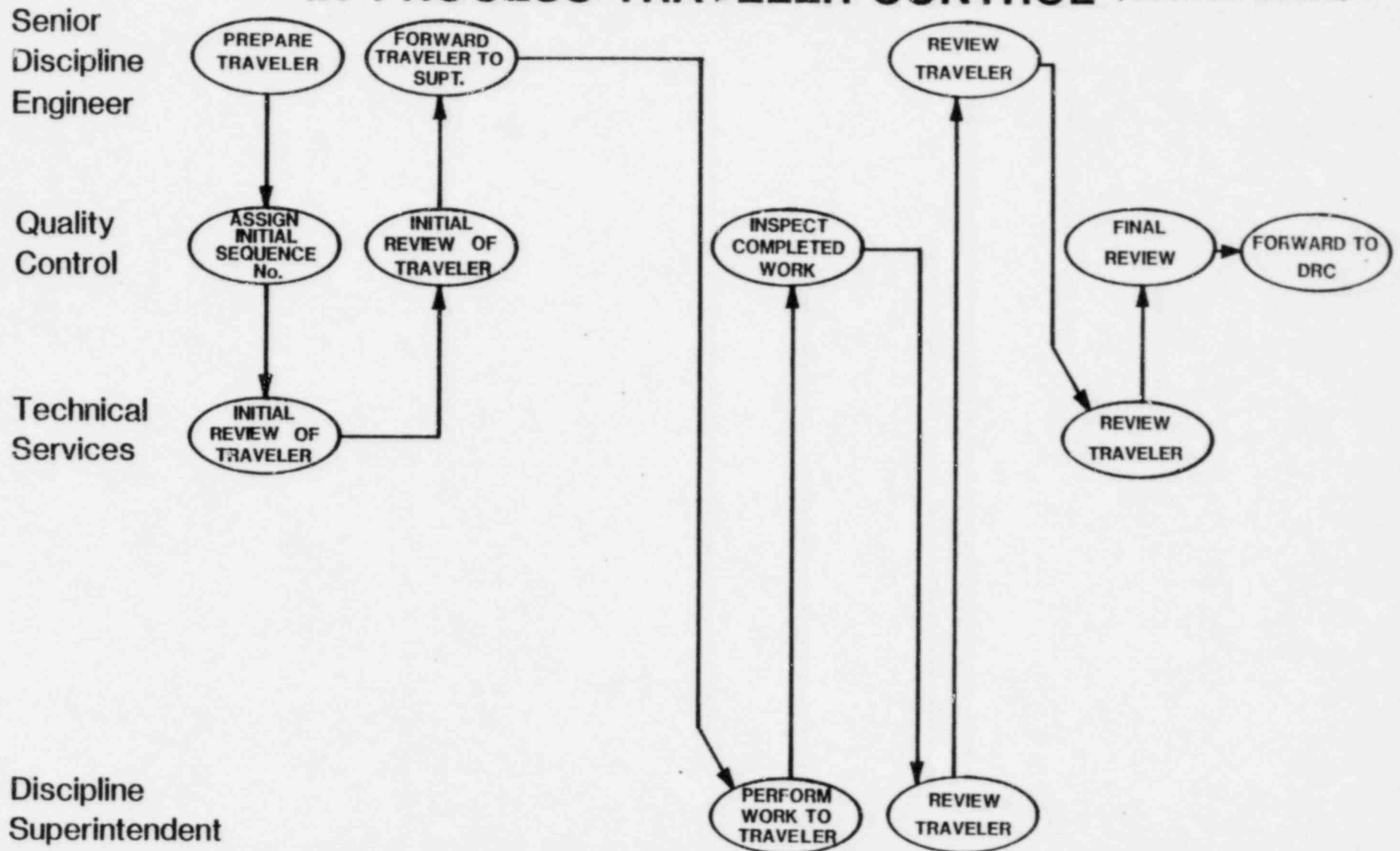
TRAVELER CONTROL

- Established a central Traveler Control Group
- Placed under Quality Control jurisdiction
- Established a computer tracking system for Traveler Control
- Restrained in-process work
- Forcing timely inspection of in-process work

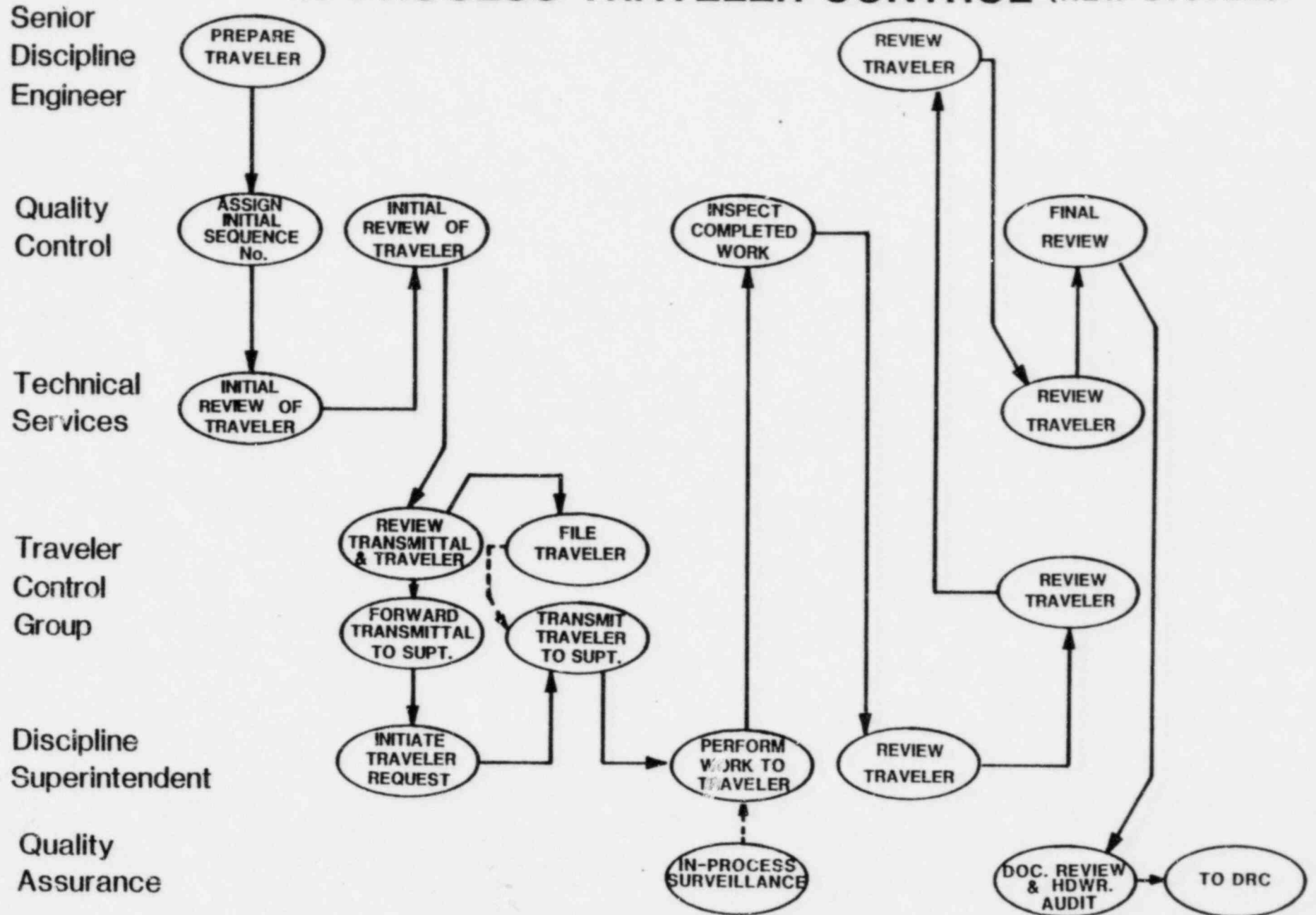
IN-PROCESS TRAVELERS

	Allocation
LB Pipe	50
LB Pipe Hangers	100
SB Pipe	100
SB Pipe Hangers	100
Instrumentation	75
Elec. Hangers	500

IN-PROCESS TRAVELER CONTROL (OLD SYSTEM)



IN-PROCESS TRAVELER CONTROL (NEW SYSTEM)

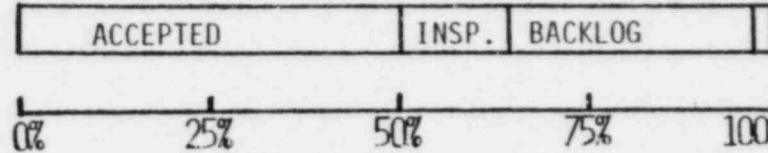


BACKLOG - SUMMARY

FUNCTION	7-2-82 BACKLOG	8-6-82 BACKLOG	INSPECTED	AVERAGE PER WEEK
LARGE BORE PIPE	781	420	361	90
LARGE BORE PIPE HANGERS	1574	1402	172	43
SMALL BORE PIPE	802	637	165	41
SMALL BORE PIPE HANGERS	1404	1268	136	34
INSTRUMENTATION	1475	1476	-1	-0-
ELECTRICAL HANGERS	16,886	15,446	1440	360



LARGE BORE PIPING



PROBLEM

- IN-PROCESS QC INSPECTION LAGGING CONSTRUCTION (IN-PROCESS WELD INSPECTION IS KEEPING PACE WITH CONSTRUCTION)
- TRAVELERS IN THE FIELD NOT BEING COMPLETED IN A TIMELY FASHION SO QC CAN DO THE FINAL WALKDOWN

TRAVELER STATUS

	INITIAL REVIEW	TRAV CONTROL GROUP			IN-WORK	FINAL REVIEW		VAULT	
		CONST. HOLD	ENG. HOLD	BACK-LOG		ENG.	Q & TS		
7-2-82	3			781				845	1629
7-30-82	32	1	2	466	188	57	96	877	1719
8-6-82	186	2	30	388	49	85	78	901	1719

ACTION TAKEN

- RESTRAIN RELEASE OF NEW WORK TO THE FIELD
- CONCENTRATE ON COMPLETING IN-PROCESS WORK
- CONCENTRATE ON REMEDIAL WORK

CRAFTMEN ASSIGNED - 76

QC ASSIGNED - 4



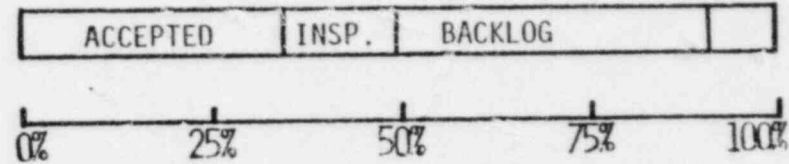
LARGE BORE PIPE HANGERS

PROBLEM

- IN-PROCESS INSPECTION LAGGING CONSTRUCTION
- TRAVELERS IN THE FIELD NOT BEING COMPLETED IN A TIMELY FASHION

ACTION TAKEN

- RESTRAIN RELEASE OF NEW WORK TO THE FIELD
- CONCENTRATE ON COMPLETING IN-PROCESS WORK



TRAVELER STATUS

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN-WORK	FINAL REVIEW		VAULT	
		CONST. HOLD	ENG. HOLD	BACK-LOG		ENG	Q & TS		
7-2-82	31			1574				863	2468
7-30-82	232	0	0	1543	82	179	262	1157	3455
8-6-82	365	7	52	1343	100	186	170	1232	3455

CRAFTSMEN ASSIGNED - 66

QC ASSIGNED - 2



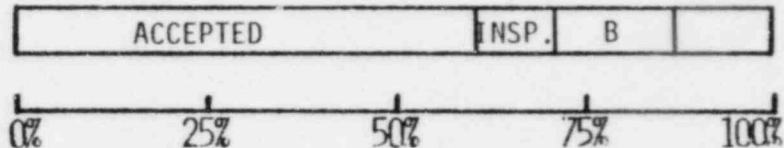
SMALL BORE PIPING

PROBLEM

- IN-PROCESS INSPECTION LAGGING CONSTRUCTION (IN-PROCESS WELD INSPECTION IS KEEPING PACE WITH CONSTRUCTION)
- TRAVELERS IN THE FIELD NOT BEING COMPLETED IN A TIMELY FASHION SO QC CAN DO THE FINAL WALKDOWN

ACTION TAKEN

- RESTRAIN RELEASE OF NEW WORK TO THE FIELD
- CONCENTRATE ON COMPLETING IN-PROCESS WORK
- CONCENTRATE ON REMEDIAL WORK



TRAVELER STATUS

	INITIAL REVIEW	TRAV CONTROL GROUP			IN-WORK	FINAL REVIEW		VALRT	
		CONST. HOLD	ENG. HOLD	BACK-LOG		ENG	Q & TS		
7-2-82	27			802				2177	3006
7-30-82	214	0	2	769	109	81	147	2391	3713
8-6-82	284	1	13	623	100	112	149	2431	3713

CRAFTMEN ASSIGNED - 32

QC ASSIGNED - 3



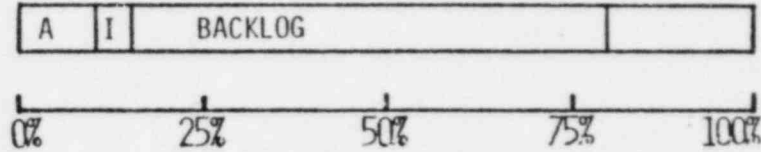
SMALL BORE PIPE HANGERS

PROBLEM

- IN-PROCESS INSPECTION LAGGING CONSTRUCTION (IN-PROCESS WELD INSPECTION IS KEEPING PACE WITH CONSTRUCTION)
- TRAVELERS IN THE FIELD NOT BEING COMPLETED IN A TIMELY FASHION

ACTION TAKEN

- RESTRAIN RELEASE OF NEW WORK TO THE FIELD
- CONCENTRATE ON COMPLETING IN-PROCESS WORK



TRAVELER STATUS

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN-WORK	FINAL REVIEW		VALRT	
		CONSTR. HOLD	ENG. HOLD	BACK-LOG		ENG.	Q & IS		
7-2-82	154			1404				149	1707
7-30-82	295	0	0	1388	28	43	46	276	2076
8-6-82	332	3	11	1254	100	53	28	295	2076

CRAFTMEN ASSIGNED - 25

QC ASSIGNED - 1



ELECTRICAL HANGERS

ACCEPTED	INSP.	BACKLOG
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PROBLEM

- IN-PROCESS INSPECTION LAGGING CONSTRUCTION
- TRAVELER CONTROL IN-EFFECTIVE

ACTION TAKEN

- ISSUED CAR-100 TO CORRECT TRAVELER CONTROL SYSTEM
- ESTABLISHED CONTROL OF TRAVELERS IN THE FIELD
- IMPOUNDED PROBLEM TRAVELERS
- CONCENTRATE ON COMPLETING IN-PROCESS WORK
- RESTRAIN ISSUANCE OF ANY NEW WORK TO THE FIELD

TRAVELER STATUS

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN-WORK	FINAL REVIEW		VAULT
		CONST. HOLD	ENG. HOLD	BACK-LOG		ENG	O & IS	
7-2-82	375			16,886				9762
7-30-82	7710	29	1402	6913	490	4584	768	10,084 31,990
8-6-82	6868	29	1431	6957	472	6081	526	10,279 32,643

CRAFTMEN ASSIGNED - 142

QC ASSIGNED - 9



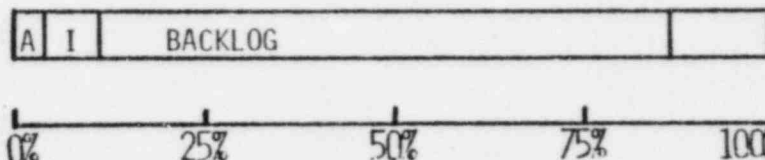
INSTRUMENTATION

PROBLEM

- IN-PROCESS INSPECTION LAGGING CONSTRUCTION
- ELECTRICAL INSTRUMENTATION INSTALLATION - TRAVELER REQUIREMENTS NOT UNDERSTOOD OR BEING FOLLOWED

ACTION TAKEN

- ISSUED STOP WORK ORDER #018 ON ELECTRICAL INSTRUMENTATION INSTALLATION
- RESTRAIN ISSUANCE OF ANY NEW PIPING TRAVELERS
- CONCENTRATE ON COMPLETING IN-PROCESS WORK
- CONCENTRATE ON REMEDIAL WORK



TRAVELER STATUS

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN-WORK	FINAL REVIEW		VALUET	
		CONST. HOLD	ENG. HOLD	BACK-LOG		ENG.	Q & IS		
7-2-82	61	0	0	1475	191			42	1769
7-30-82	370	0	0	1305	170	75	55	104	2079
8-6-82	478	3	23	1450	39	74	43	113	2223

CRAFTMEN ASSIGNED - 46

QC ASSIGNED - 3

BA-MANUAL

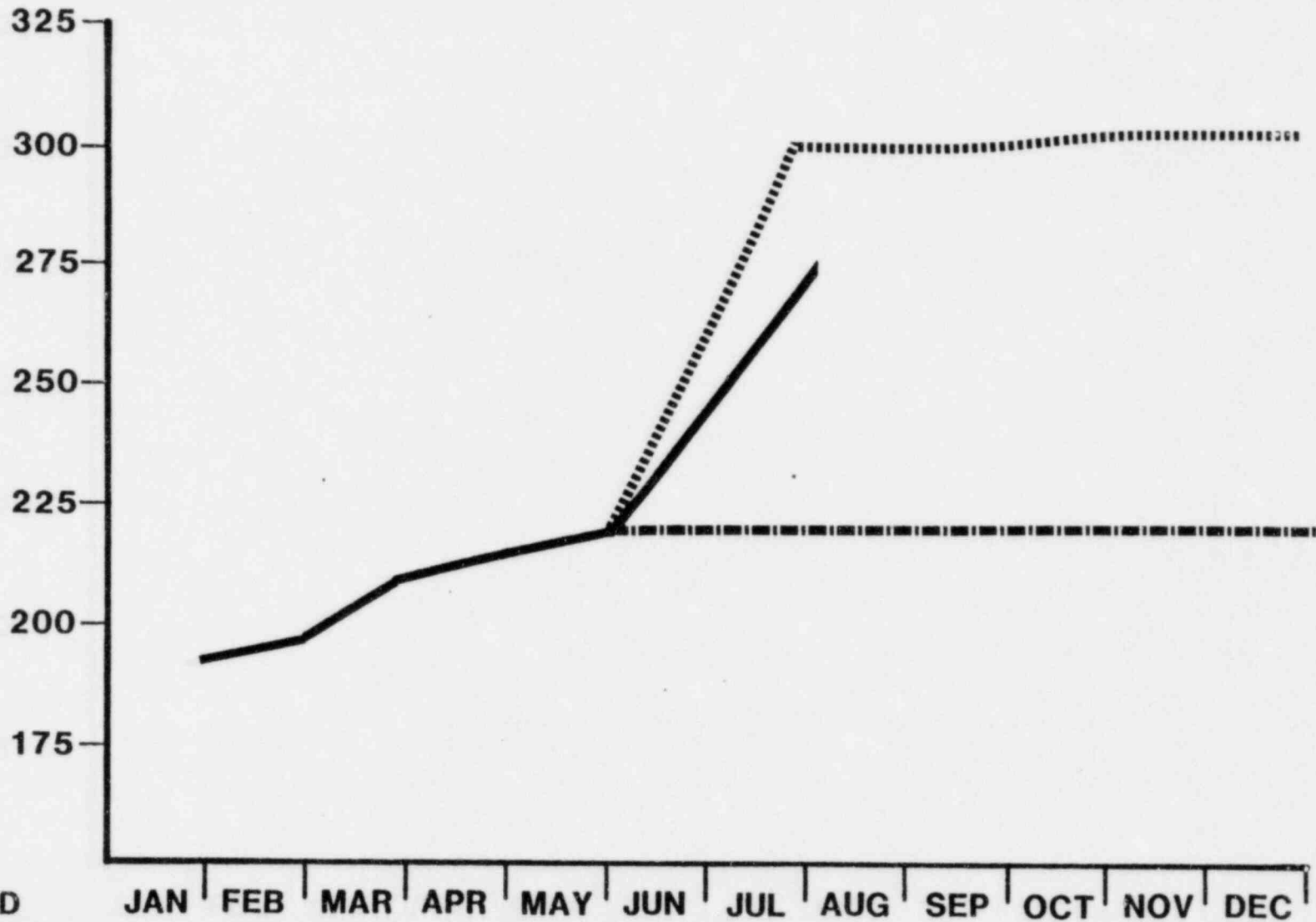
CRAFT	FORCE AS OF 6/23/82		FORCE AS OF 7/29/82	REDUC- TION	DISTRIBUTION				TOTAL
					SUPPORT	SAFETY (OLD)	SAFETY (NEW)	NON- SAFETY	
LABORERS	262		246	-16	175			73	246
CARPENTERS	121		107	-14	73		2	27	107
OPERATORS	58		57	-1	57				57
TEAMSTERS	50		46	-4	46				46
IRON WORKERS	66		55	-11	10		5	40	55
ELECTRICIANS	650		451	-199	91	137	52	171	451
PIPEFITTERS	620		442	-178	86	245		111	442
BOILERMAKERS	65		52	-13	12	31	2	7	52
CEMENT MASON	8		6	-2	1			5	6
TILERS									
MILLWRIGHTS	42		35	-7	7	15		13	35
SHEETMETAL	7		6	-1	1	4		1	6
BRICKLAYERS	5		4	-1	0			4	4
SURVEYORS	15		13	-2	13				13
TOTALS	1969		1520	-449	575	432	61	452	1520

ZACK-MANPOWER

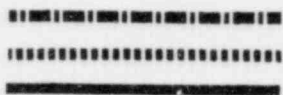
CRAFT	FORCE AS OF 6/29/82	FORCE AS OF 8/4/82
SUPERINTENDENTS/GF	12	8
DRAFTING/DETAILING	33	25
FAB SHOP	10	7
LAYDOWN CREW	10	7
N/S, NON SEISMIC HANGERS	55	0
N/S, DUCTWORK	50	40
N/S, SEISMIC HANGERS	38	24
CONSTRUCTION INSPECTORS	10	7
TOOL CRIB/MAINT.	4	3
WELD SHOP	2	1
INJURED	2	0
TOTAL	226	122



Q&TS MANPOWER PROJECTION



LEGEND



FEB. FORECAST
REVISED FORECAST
ACTUAL

BA-QUALITY RESOURCES

GROUP	ON-BOARD	OFFERS ACCEPTED	OFFERS PENDING
<u>QUALITY ASSURANCE</u>			
- VENDOR SURVEILLANCE	14		1
- PROCUREMENT	5		
- SYSTEMS	4	2	2
- AUDITS	13	3	2
- DOCUMENT RECORDS	20		
- STAFF	5		
TOTAL	61	5	5
<u>QUALITY CONTROL</u>			
- DOCUMENTATION	7		
- MATERIAL CONTROL	22		1
- PIPING/MECHANICAL	35		8
- ELECTRICAL - c/s	38		4
- STAFF	6		
TOTAL	108	0	13
<u>TECHNICAL SERVICES</u>			
- NDE & HEAT TREAT.	3		
- WELDING	69	1	
- STAFF	3		
TOTAL	75	1	0
TRAINING	7	0	0
ADMINISTRATION	5	0	0
TOTAL	256	6	18

STOP WORK ORDER - SUMMARY

SWO #	FUNCTION	STATUS SUMMARY
007	ELECTRICAL CABLE TRAY AND ATTACHMENTS	READY TO RESUME WORK ON A LIMITED BASIS - WEEK OF 8-23-82
010	REFUELING BELLOWS	AT S & L FOR ENGINEERING DISPOSITION
014	ZACK - SAFETY RELATED WORK	HELD FOR OAM, PROCEDURE REVISIONS
015	ZACK - 1ST ATTACHMENT WELDS	HELD FOR PROCEDURAL APPROVAL
016	ELECTRICAL CONDUIT INSTALLATION	RECOVERY PLAN BEING DEVELOPED
017	ELECTRICAL EQUIPMENT INSTALLATION	RECOVERY PLAN BEING DEVELOPED
018	ELECTRICAL INSTRUMENT INSTALLATION	RECOVERY PLAN BEING DEVELOPED
019	STRUCTURAL STEEL	RECOVERY PLAN COMPLETE-READY FOR NRC REVIEW
020	ZACK - NON-SAFETY WORK	HELD FOR PROCEDURAL CHANGES AND APPROVAL
	IP PROCUREMENT OF SPARE/ REPLACEMENT PARTS	RECOVERY PLAN BEING DEVELOPED

SWO #007 - ELECTRICAL

PROBLEM:

- * INSTALLATION CONTROLS FOR CABLE TRAY, AND CABLE TRAY ATTACHMENTS WERE INADEQUATE

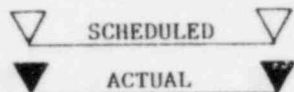
AFFECTED WORK:

- * ALL SAFETY-RELATED, SEISMIC CATEGORY I-E CABLE TRAY AND CABLE TRAY ATTACHMENTS
- * CABLE PULLING
- * CABLE TERMINATIONS

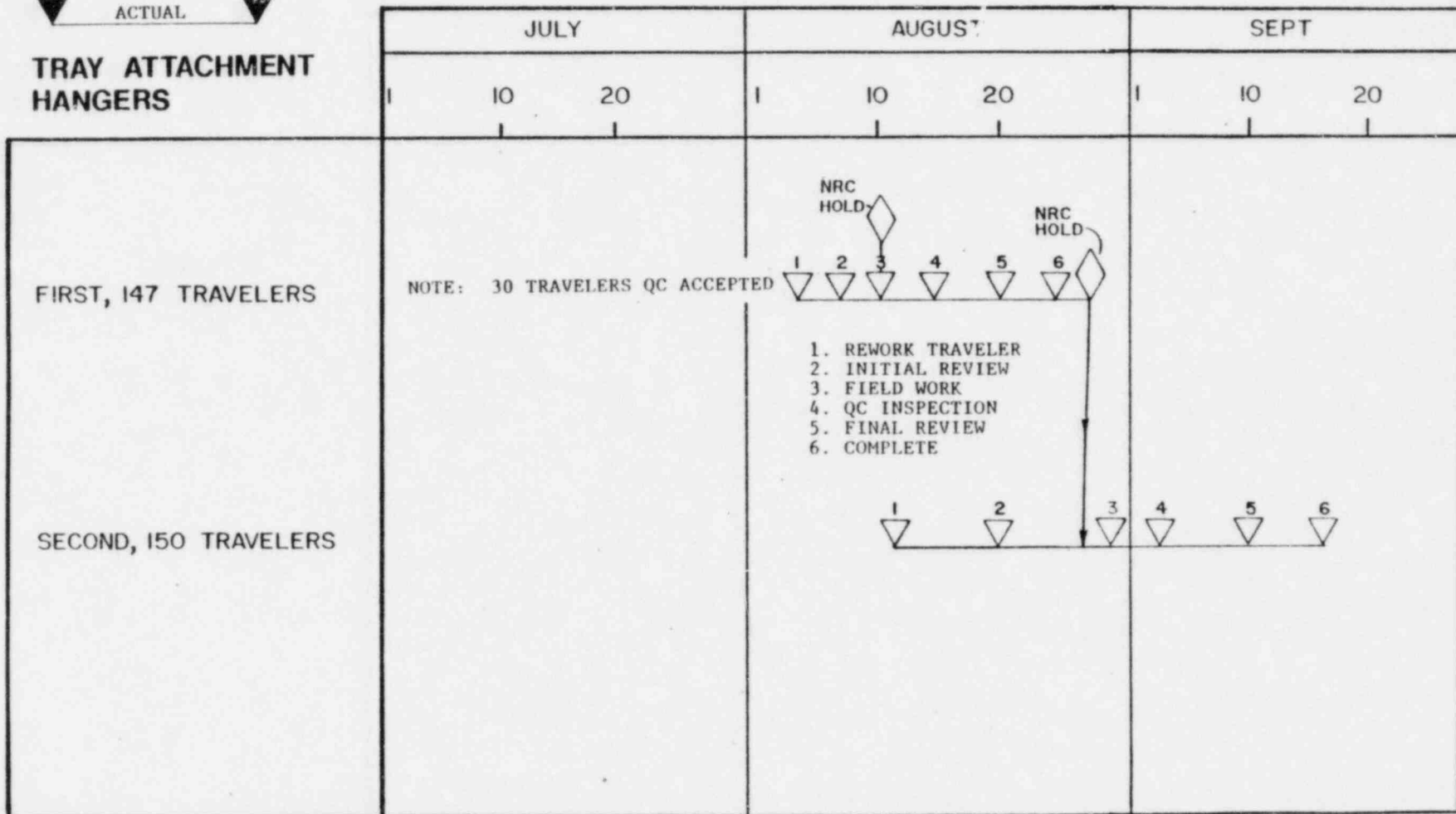
WORK NOT AFFECTED:

- * NON-SAFETY CABLE TRAY AND ATTACHMENTS

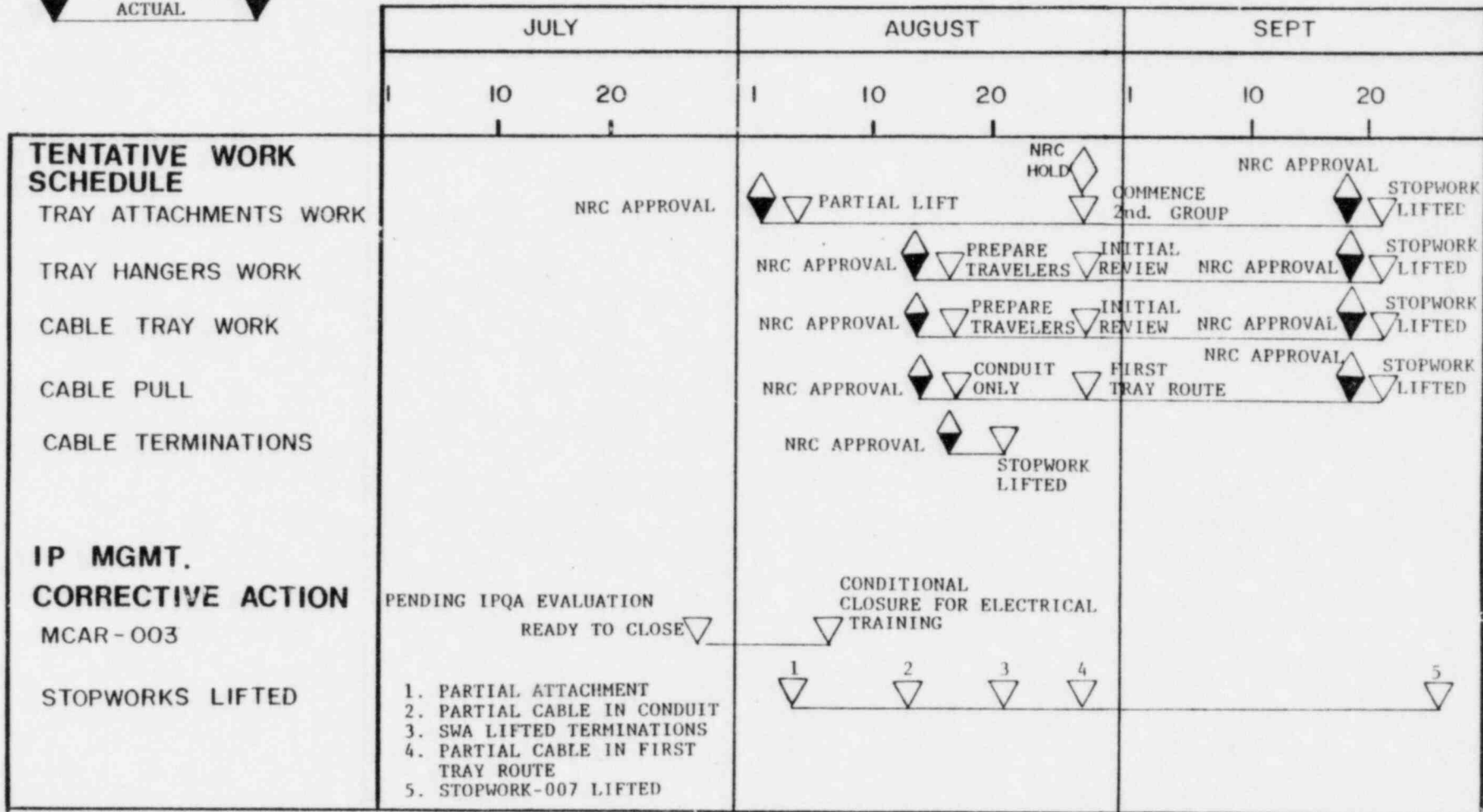
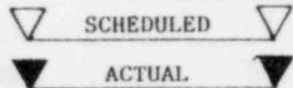
ELECTRICAL STOPWORK - 007 PROGRESS



TRAY ATTACHMENT HANGERS



ELECTRICAL STOPWORK - 007 PROGRESS



UWO #010 - REFUELING BELLOWS

PROBLEM:

- * NDE EXAMINATIONS REVEALED DEFECTIVE WELDS
- * WELD ROD AND INSPECTORS QUALIFICATIONS QUESTIONABLE

AFFECTED WORK:

- * DRYWELL REFUELING BELLOWS

WORK NOT AFFECTED:

- * NOT APPLICABLE

SWO #014 - ZACK H. V. A. C.

PROBLEM:

- * WORKING WITHOUT APPROVED PROCEDURES
- * DOCUMENTATION DOES NOT REFLECT INSTALLED HARDWARE CONFIGURATION

AFFECTED WORK:

- * ALL SAFETY RELATED WORK ASSOCIATION WITH HANGERS, DUCT AND EQUIPMENT

WORK NOT AFFECTED:

- * NON-SAFETY DUCT, HANGERS AND EQUIPMENT

SWO #015 - ZACK H. V. A. C.

PROBLEM:

- * NO PROCEDURAL COVERAGE

AFFECTED WORK:

- * ALL FIRST ATTACHMENT WELDS TO SEISMIC CATEGORY I STRUCTURES

WORK NOT AFFECTED:

- * NON-SAFETY DUCT, N/S NON-SEISMIC HANGERS AND EQUIPMENT
- * BA SHEET METAL WORK

SWO #016 - CONDUIT INSTALLATION

PROBLEM:

- * IN-PROCESS INSPECTION LAGGING CONSTRUCTION
- * WORK BEING ACCOMPLISHED PRIOR TO ISSUANCE OF A TRAVELER

AFFECTED WORK:

- * ALL CONDUIT INSTALLATION

WORK NOT AFFECTED:

- * NON-SAFETY CONDUIT INSTALLATIONS
- * CONDUIT HANGERS
- * NON-SCHEDULED CONDUIT FOR LIGHTING AND COMMUNICATION

SWO #017 - ELECTRICAL EQUIPMENT

PROBLEM:

- * TRAVELER REQUIREMENTS NOT UNDERSTOOD
- * PROCEDURES NOT BEING FOLLOWED

AFFECTED WORK:

- * ALL CLASS I-E, AUG-D AND FINE PROTECTION

WORK NOT AFFECTED:

- * NON-SAFETY WORK

SWO #018 - ELECTRICAL INSTRUMENTATION

PROBLEM:

- * TRAVELER REQUIREMENTS NOT UNDERSTOOD
- * PROCEDURES NOT BEING FOLLOWED

AFFECTED WORK:

- * ALL CLASS I-E, AUG-D, FIRE PROTECTION ELECTRICAL INSTRUMENTATION INSTALLATIONS

WORK NOT AFFECTED:

- * NON-SAFETY WORK

SWO #019 - STRUCTURAL STEEL

PROBLEM:

- * INSPECTION LAGGING CONSTRUCTION
- * INSPECTION RECORDS MISPLACED OR LOST ON ELEVATIONS 737-CONTAINMENT

AFFECTED WORK:

- * ALL SAFETY RELATED (SEISMIC) WORK IN THE CONTAINMENT INCLUDING FABRICATION IN THE POWER BLOCK, MONORAILS, COVER PLATING, STEEL BEAMS AND MODIFICATIONS

WORK NOT AFFECTED:

- * NON-SAFETY GALLERY STEEL, HANDRAILS
- * GAS BOUNDARY STEEL (EXTERNAL TO CONTAINMENT)
- * TEMPORARY ATTACHMENTS
- * PIPING AND ELECTRICAL HANGER INSTALLATION
- * FABRICATION WORK IN FAB. SHOPS (EXTERNAL TO POWER BLOCK)

SWO #020 - ZACK H. V. A. C.

PROBLEM:

- * LACK OF CONTROL ON NON-SAFETY WORK

AFFECTED WORK:

- * ALL NON-SAFETY WORK IN ALL STRUCTURES CLASSIFIED AS SEISMIC CATEGORY I

WORK NOT AFFECTED:

- * ALL NON-SAFETY WORK IN NON-SEISMIC STRUCTURES

IP PROCUREMENT STOP WORK

PROBLEM:

- ADEQUATE PROCEDURES FOR CLASSIFYING, REQUISITIONING, PURCHASING AND RECEIVING COMMODITIES AND SERVICES ARE NOT WRITTEN AND IMPLEMENTED.
- PERSONNEL TRAINING IN MEETING THE PROCUREMENT REQUIREMENTS FOR ANSI N45.2.13 AND ANSI N18.7 IS LACKING.

AFFECTED WORK:

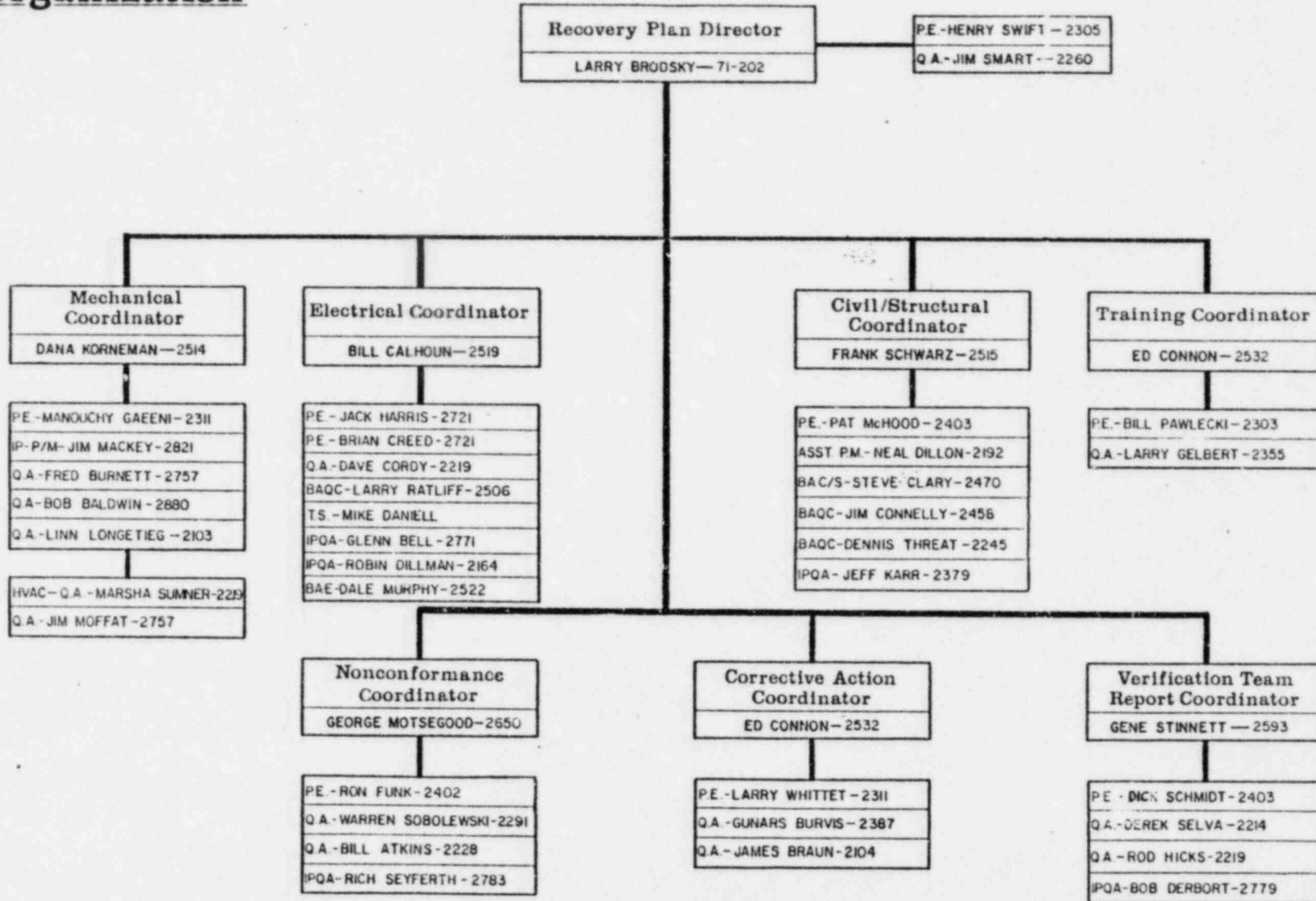
- SPARE AND REPLACEMENT PARTS PURCHASED BY ILLINOIS POWER COMPANY, PURCHASING DEPARTMENT OR CLINTON SITE PURCHASING.

WORK NOT AFFECTED:

- PROCUREMENT OF COMMODITIES AND SERVICES BY BALDWIN ASSOCIATES.

Recovery Plan Organization

DATED: 7/14/82



RECOVERY PLAN - STRUCTURAL STEEL

OBJECTIVE I. RESOLVE IDENTIFIED QUALITY PROBLEMS WITH STRUCTURAL STEEL IN ORDER TO OBTAIN APPROVAL FOR LIFTING STOP WORK ORDER #19 AFFECTING THE CONTAINMENT BUILDING.

OBJECTIVE II. DESCRIBE HOW NEW / IN-PROCESS / MODIFICATION WORK MEETS REQUIREMENTS.

OBJECTIVE III. DEMONSTRATE THAT PREVIOUSLY ASSEMBLED STRUCTURAL STEEL MEETS REQUIREMENTS.

OBJECTIVE IV. OUTLINE RESOURCES TO SUPPORT RECOVERY EFFORT.

8/5/82

STRUCTURAL STEEL
PROPOSED TRAINING REQUIREMENTS

<u>TOPIC</u>	<u>CLASS ATTENDANCE</u>
Rev. 6 BAP 3.1.3	Engineers, Sup'r., QC, TS
Structural Steel Acceptance Criteria	Eng., Sup'r, QC, TS, and Craftsmen (IW, BM, PF)
C243 No Verbal Changes QC (Civil) Jam - nuts	Intradepartmental QC Training

INDEPENDENT OVERINSPECTION OVERVIEW

OVERINSPECTION TO BE PERFORMED BY QUALIFIED UNITED STATES TESTING COMPANY INSPECTORS WITH PROCEDURES/INSTRUCTIONS APPROVED BY IP

SAMPLE SIZE WILL NOT BE STATISTICAL; RATHER IT WILL BE A GENEROUS AND REPRESENTATIVE SAMPLE OF ALL WORK THAT HAS BEEN ACCEPTED

OVERINSPECTIONS THAT ARE CONDUCTED WILL BE DOCUMENTED ON APPROVED CHECKLISTS

OVERINSPECTION WILL VERIFY THAT ACCEPTED WORK IS IN ACCORDANCE WITH DRAWINGS, SPECIFICATIONS, AND DOCUMENTATION REPRESENTING THE AS-BUILT CONFIGURATION

SCOPE AND SIZE OF OVERINSPECTION SAMPLES

PRIORITY I WORK

STRUCTURAL STEEL

- * ALL ACCESSIBLE STRUCTURAL STEEL AT 825 FT LEVEL CONTROL BUILDING
- * ONE ELEVATION OF FUEL AND AUXILIARY BUILDING
- * ONE ELEVATION AND QUADRANT OF CONTAINMENT

LARGE AND SMALL BORE PIPING

- * 20% OF ACCEPTED TRAVELERS BY SYSTEM
LARGE BORE - APPROX. 90 TRAVELERS
SMALL BORE - APPROX. 450 TRAVELERS

LARGE AND SMALL BORE SUPPORTS

- * 20% OF ACCEPTED TRAVELERS BY SYSTEM
LARGE BORE - APPROX. 200 TRAVELERS
SMALL BORE - APPROX. 35 TRAVELERS

MECHANICAL EQUIPMENT

- * 20% OF ACCEPTED EQUIPMENT TRAVELERS (APPROX. 35 TRAVELERS)

ELECTRICAL HANGERS

- * 20% OF ACCEPTED HANGERS (APPROX. 1950 TRAVELERS)

PRIORITY II WORK

ELECTRICAL CABLE ROUTING

* (TO BE DETERMINED)

INSTRUMENTATION

* (TO BE DETERMINED)

ELECTRICAL CONDUIT

* (TO BE DETERMINED)

HVAC

* (TO BE DETERMINED)

SCHEDULE AND MANPOWER

MILESTONES

WEEK OF AUGUST 9	BEGIN TRAINING INSPECTORS
WEEK OF AUGUST 16	BEGIN OVERINSPECTION
SEPTEMBER	DEVELOP PLANS FOR PHASE II OVERINSPECTION
OCTOBER	1/5 OF PHASE I OVERINSPECTION COMPLETE
JANUARY 1983	3/5 OF PHASE I OVERINSPECTION COMPLETE
MARCH 1983	PHASE I OVERINSPECTION COMPLETE BASED ON PROJECTED PROGRAM

MANPOWER

AUGUST 9	9 UST INSPECTORS
NOVEMBER 1	18-20 UST INSPECTORS

OVERINSPECTION RESULTS

IP WILL DOCUMENT, EVALUATE AND TREND PROBLEMS USING NCR/DR/CR
















EVALUATIONS OF THE OVERINSPECTION RESULTS WILL BE ONGOING.
PERIODIC REPORTS WILL BE ISSUED THAT ADDRESS SPECIFIC PROBLEM
AREAS AND OUR PLAN FOR RESOLVING THE ISSUES

SAMPLING OF SPECIFIC INSPECTION ACTIVITIES MAY BE INCREASED/
DECREASED BASED UPON OUR EVALUATION OF THE RESULTS

STRUCTURAL STEEL RECOVERY PLAN

<div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="display: flex; align-items: center; gap: 5px;"> ESTIMATE </div> <div style="display: flex; align-items: center; gap: 5px;"> COMPLETE </div> <div style="display: flex; align-items: center; gap: 5px;"> * NRC APPROVAL </div> </div>	<div style="display: flex; justify-content: space-between; font-weight: bold; font-size: 0.9em;"> JULYAUGSEPTOCTNOVDEC </div>
IDENTIFY QUALITY PROBLEMS	
PROPOSE CORRECTIVE ACTIONS, DEVELOP PLAN	
DEVELOP A PROGRAM FOR OVERINSPECTION	
OBTAIN INTERNAL APPROVAL OF PLAN	
OBTAIN NRC CONCURRENCE OF PLAN	
LIFT STOP WORK ORDER 19	*
PERFORM REINSPECTIONS	<hr style="width: 100%; border: 0.5px solid black;"/>

PIPING MECHANICAL RECOVERY PLAN

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  ESTIMATE  </div> <div style="text-align: center;">  COMPLETE  </div> </div>	JULY AUG SEPT OCT NOV DEC
TABULATE QUALITY PROBLEMS	 
IMPLEMENT A PROGRAM TO REDUCE BACKLOG OF INSTALLED BUT NOT INSPECTED WORK	
DEVELOP A PROGRAM FOR NEW AND IN-PROCESS WORK	 
DEVELOP A PROGRAM FOR OVERINSPECTION	
RESOLVE AND TRACK QUALITY PROBLEMS	 
OBTAIN INTERNAL APPROVAL OF PLAN	 
OBTAIN NRC CONCURRENCE OF PLAN	

INPROCESS WORK IMPROVEMENTS

IMPROVE TRAVELERS

IMPROVED ISO REVISION PROCESS

IMPROVED DESIGN DRAWING REVIEW/INCORPORATION

ENGINEERING REVIEW INPROCESS TRAVELERS

IMPROVE INSPECTION PROCEDURES

PROVIDE MORE SPECIFIC CRITERIA & CHECKLISTS

PROVIDE ADDITIONAL, SPECIFIC APPLICATIONS

CONSTRUCTION VERIFICATION OF WORK

SPECIFIC CHECKLISTS

PIPING DEPT. MANAGEMENT ANALYSIS/TRENDS

IP CONSTRUCTION REVIEW

INCREASED SCOPE & FREQUENCY OF BA QA AUDITS

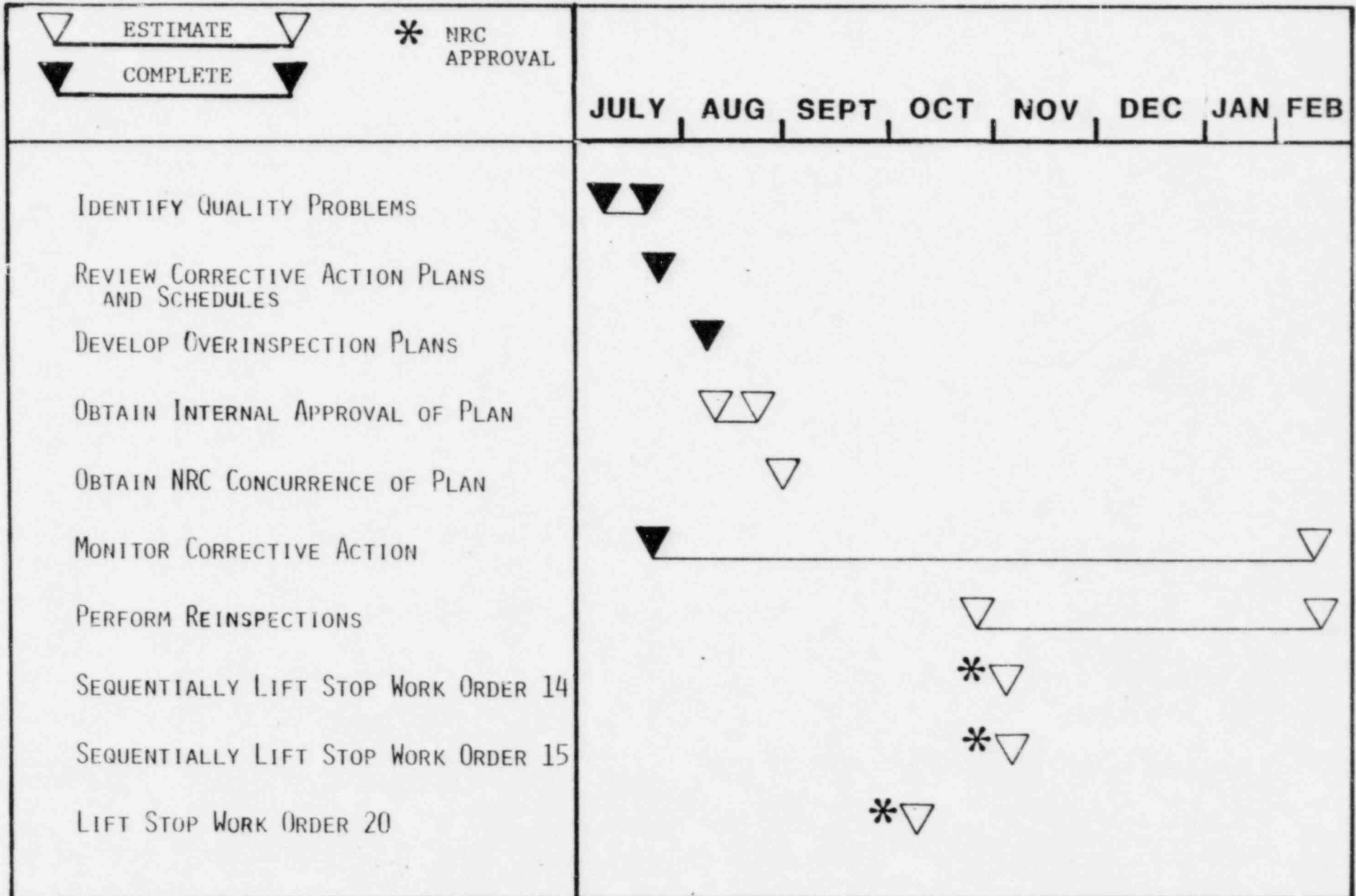
INCREASED SCOPE & FREQUENCY OF IP SURVEILLANCE

ELECTRICAL RECOVERY PLAN












<div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="display: flex; align-items: center; gap: 5px;"> ESTIMATE </div> <div style="display: flex; align-items: center; gap: 5px;"> COMPLETE </div> <div>* NRC APPROVAL</div> </div>	<div style="display: flex; justify-content: space-around; font-weight: bold; font-size: 1.2em;"> JULY AUG SEPT OCT NOV DEC </div>
IDENTIFY QUALITY PROBLEMS	
PROPOSE CORRECTIVE ACTIONS, DEVELOP PLAN	
DEVELOP A PROGRAM FOR OVERINSPECTION	
IMPLEMENT A PROGRAM FOR IN-PROCESS CONTROLS	
OBTAIN INTERNAL APPROVAL OF PLAN	
OBTAIN NRC CONCURRENCE OF PLAN	
LIFT STOP WORK ORDER 16	
LIFT STOP WORK ORDER 17	
LIFT STOP WORK ORDER 18	

HVAC





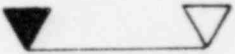
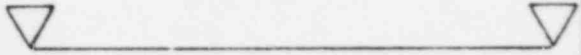
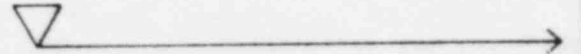

RECOVERY PLAN



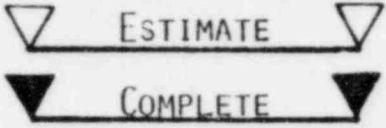
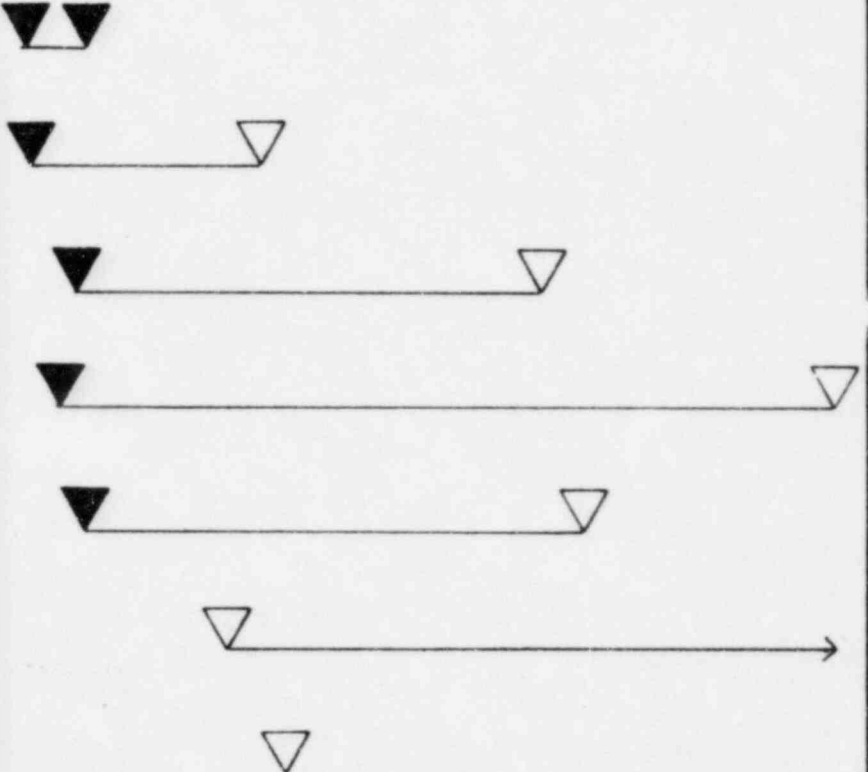
TRAINING RECOVERY PLAN

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  SCHEDULED  </div> <div style="text-align: center;">  ACTUAL  </div> </div>	JULY AUG SEPT OCT NOV DEC
EVALUATE TRAINING PROGRAMS	
PROVIDE RECOMMENDATIONS	
REVIEW CORRECTIVE ACTION PLANS AND SCHEDULES	
OBTAIN INTERNAL APPROVAL OF PLAN	
OBTAIN NRC CONCURRENCE OF PLAN	
MONITOR CORRECTIVE ACTION	 

VERIFICATION TEAM REPORT RECOVERY PLAN

	<div style="display: flex; justify-content: space-between; padding: 5px;"> ESTIMATE COMPLETE </div> <div style="display: flex; justify-content: space-between; padding: 5px;"> JULY AUG SEPT OCT NOV DEC </div>
DEVELOP MATRIX OF QUALITY ITEMS	
CATEGORIZE AND ASSIGN MATRIX ITEMS	
OBTAIN INTERNAL APPROVAL OF PLAN	
OBTAIN NRC CONCURRENCE OF PLAN	
REVIEW AND ASSESS RESPONSES	
MONITOR AND APPROVE CORRECTIVE ACTION	
MONITOR RESULTS OF OVERINSPECTION EFFORT	
PREPARE REPORT	

RECOVERY PLAN

	<p>JULY AUG SEPT OCT NOV DEC</p>
<p>SORT AND CLASSIFY NCR/DR'S</p> <p>REVISE NCR/DR PROCEDURES</p> <p>IMPLEMENT COMPUTER TRACKING AND REPORTING</p> <p>WORKING OFF BACKLOG</p> <p>IMPLEMENT A PROGRAM FOR EMPHASIZING QUALITY</p> <p>PROVIDE CONTINUING RECOMMENDATIONS AND ATTENTION</p> <p>OBTAIN NRC CONCURRENCE OF PLAN</p>	

CORRECTIVE ACTION RECOVERY PLAN

<div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> <div style="display: flex; align-items: center; gap: 10px;"> ▽ ESTIMATE ▽ </div> <div style="display: flex; align-items: center; gap: 10px;"> ▼ COMPLETE ▼ </div> </div>	<div style="display: flex; justify-content: space-around; font-weight: bold; font-size: 1.2em;"> JULY AUG SEPT OCT NOV DEC </div>
TABULATE AND STATUS OPEN ITEMS, EVALUATE	<div style="display: flex; justify-content: center; gap: 20px;"> ▼ ▼ </div>
EVALUATE SEQUENCING OF CORRECTIVE ACTION ACTIVITIES	<div style="display: flex; justify-content: center; gap: 20px;"> ▼ ▼ </div>
EVALUATE TRAINING	<div style="display: flex; justify-content: center; gap: 20px;"> ▼ ▼ </div>
EVALUATE MANAGEMENT ROLE	<div style="display: flex; justify-content: center; gap: 20px;"> ▼ ▼ </div>
PROVIDE RECOMMENDATIONS	<div style="display: flex; justify-content: center; gap: 20px;"> ▼ ▽ </div>
OBTAIN INTERNAL APPROVAL OF PLAN	<div style="display: flex; justify-content: center; gap: 20px;"> ▽ ▽ </div>
OBTAIN NRC CONCURRENCE	<div style="display: flex; justify-content: center; gap: 20px;"> ▽ </div>
MONITOR STATUS OF CORRECTIVE ACTION ITEMS	<div style="display: flex; justify-content: center; gap: 20px;"> ▽ → </div>

