

DCS
EA82-93
Rec'd 10/26/82

ILLINOIS POWER COMPANY



0981-T,
U-10003

CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

October 20, 1982

Mr. James G. Keppler
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Docket 50-461

Dear Mr. Keppler:

The purpose of this letter is to acknowledge receipt of and provide initial response to your September 1, 1982 Confirmatory Action Letter (CAL) concerning our course of actions in progress to assure that the Clinton Nuclear Power Station will be constructed in accordance with the Final Safety Analysis Report. Illinois Power Company's initial response to this CAL is as follows:

1. The requirements imposed by the traveler control group will continue in effect until such time as mutually concurred on by IPC and the NRC..
2. The trending program previously discussed with you by Mr. Findley of Baldwin Associates will be extended to cover all ongoing safety related work. Included in this trending program will be: Large bore piping and hangers, small bore piping and hangers, instrumentation piping and hangers, electrical hangers, mechanical equipment, cable tray and attachments, cable pulling, cable terminations, and conduit.
3. IPC Quality Assurance will continue to conduct and document surveillance of ongoing work related to the issues of this Confirmatory Action Letter.
4. IPC agrees that Stop Work Action Numbers 010 and 014-020 will not be lifted until the NRC has concurred in the associated recovery plans.
5. IP intends to develop and implement an Illinois Power Improvement Program Plan (Master Management Plan); the outline of this effort was presented to you on September 30, 1982. The presentation is attached for reference and record purposes. We understand that until NRC concurrence is received on this plan, no work activities associated with Stop Work Action Numbers 010 and 014-020 will be performed without advance approval by the NRC.

6. We are developing a written plan for the overinspection (termed "re-inspection" in CAL) of work which was completed prior to July, 1982. The overinspection plan will be submitted to you for comment. The overinspection work which was in progress has been stopped until such time as the written plan is approved by IPC.
7. We are developing a written plan for verification of all of the safety related, Augmented D, and Fire Protection documentation placed in the vault prior to July 26, 1982. The plan will be submitted to your staff for review and comment.

I trust this initial response satisfactorily addresses your concerns. We will continue to keep you advised as to our progress in achieving our objective.

Sincerely,

A handwritten signature in dark ink, appearing to read "D.P. Hall", is written over the typed name.

D.P. Hall
Vice President

cc: US NRC Resident Inspector
Director-Quality Assurance
Director-Office of I&E, Washington, DC 20555
Illinois Department of Nuclear Safety

CLINTON PROJECT UPDATE

9/30/82

AGENDA

- A. INTRODUCTION
- B. ILLINOIS POWER COMPANY IMPROVEMENT PROGRAM
- C. RECOVERY PROGRAM - UPDATE
- D. CONSTRUCTION STATUS - PROGRESS AND EXPERIENCES
- E. VERIFICATION PROGRAM
- F. IPC QA INVOLVEMENT IN S&L/GE OFF-SITE ACTIVITIES

ILLINOIS POWER COMPANY
IMPROVEMENT PROGRAM

NUCLEAR PROGRAM MANAGEMENT PLAN

OBJECTIVES

IMPLEMENT A CENTRAL NUCLEAR PROGRAM MANAGEMENT FUNCTION

COMPLETE TRANSITION TO TOTAL NUCLEAR PROGRAM MANAGEMENT

IMPROVE AND INTEGRATE MANAGEMENT SYSTEMS

INCLUDE ASPECTS NECESSARY FOR TRANSITION TO AND
SUPPORT OF OPERATING PHASE

VERIFY ADEQUACY OF COMPLETED WORK

ELEMENTS

FUNCTIONAL CRITERIA - IDENTIFICATION OF REQUIREMENTS
WHICH MUST BE MET TO PROPERLY MANAGE, CONSTRUCT,
OPERATE AND MAINTAIN A NUCLEAR POWER PLANT, E.G.,
SOME SOURCE DOCUMENTS ARE FSAR, QAM, AND CORPORATE
POLICY STATEMENTS

ORGANIZATION - DEFINITION OF THE ORGANIZATION AND ITS
FUNCTIONS, RESPONSIBILITIES, AUTHORITIES, AND
ACCOUNTABILITIES TO SUPPORT CONSTRUCTION,
STARTUP ACTIVITIES, AND PLANT OPERATION

MANAGEMENT SYSTEMS - IMPROVEMENT AND INTEGRATION OF
MANAGEMENT SYSTEMS AND PROCEDURES TO PROVIDE GREATER
CONTROL OF NUCLEAR ENGINEERING, PROCUREMENT, CONSTRUCTION,
TESTING, MAINTENANCE, STARTUP, AND OPERATIONS ACTIVITIES

NUCLEAR PROGRAM MANAGEMENT PLAN

TASKS

EVALUATE RESULTS OF THE FOLLOWING:

- NRC LETTER SEPTEMBER 1, 1982
- INPO EVALUATIONS
- LRS AUDIT REPORT
- JUMA REPORT
- VERIFICATION TEAM REPORT
- F&M REPORT
- NRC AND IP AUDIT REPORTS
- RECOVERY PROGRAM RECOMMENDATIONS

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DEVELOP A COMPOSITE REPORT WITH ORGANIZATIONAL AND
PROGRAMMATIC MANAGEMENT OPTIONS FOR DECISION

IMPLEMENT ORGANIZATION AND PROGRAMMATIC DECISIONS

IDENTIFY FUNCTIONAL CRITERIA FOR THE PLAN

ESTABLISH MANAGEMENT SYSTEM REQUIREMENTS

COMPARE EXISTING MANAGEMENT SYSTEMS TO REQUIREMENTS
AND IMPLEMENT CHANGES AS NECESSARY

IDENTIFY ADDITIONAL MANAGEMENT SYSTEMS REQUIRED AND
IMPLEMENT

REVIEW DEPARTMENTAL AND CONTRACTOR PROCEDURES FOR
CONFORMANCE TO MANAGEMENT SYSTEM PROCEDURES;
IMPLEMENT CHANGES AS REQUIRED

DEVELOP MILESTONE SCHEDULE FOR THIS EFFORT

PREPARE AND IMPLEMENT APPROPRIATE IPC DOCUMENTS
WHICH CODIFY SYSTEM

ILLINOIS POWER COMPANY

IMPROVEMENT PROGRAM

MILESTONES FOR DETAILED PLAN DEVELOPMENT

<u>PRODUCT</u>	<u>SCHEDULE</u>
NUCLEAR PROGRAM MANAGEMENT PLAN	Nov. 15
QUALITY RECOVERY PROGRAM	Oct. 19
VERIFICATION PROGRAM	
DOCUMENT REVIEW	Nov. 15
OVERINSPECTION	Nov. 1
COMBINE INTO A SUMMARY LEVEL	Dec. 1
SCHEDULE	

RECOVERY PROGRAM-UPDATE

NEW
OBJECTIVE:

DEVELOP A RESOURCE PLAN FOR ON-GOING PROJECT MANAGEMENT, ENGINEERING, AND QUALITY ACTIVITIES

OBJECTIVE 1

DEVELOP A RESOURCE LOADED, DETAILED, INTEGRATED SCHEDULE FOR RECOVERY PLAN ACTIVITIES.

OBJECTIVE 2

PHASE 1

DEVELOP A RESOURCE LOADED ACTIVITY SCHEDULE THAT INTEGRATES ON-GOING PROJECT MANAGEMENT, ENGINEERING, AND QUALITY ACTIVITIES WITH THE RECOVERY ACTIVITIES.

PHASE 2

EXPAND THE RESOURCE ACTIVITY SCHEDULE DEVELOPED IN STEP TWO, WITH THE PROJECT SCHEDULE, TO A MANGEMENT SCHEDULE FOR LONG RANGE USE.

OBJECTIVE 1

SCHEDULE/STATUS

LEVEL OF DETAIL

EXAMPLES OF REPORTS

NRC INTERFACE

COMPANY ILLINOIS POWER COMPANY
P.A. PLANNING & SCHEDULING
PROJECT CPS RECOVERY PLAN

UPDATE INPUT REPORT

PAGE 2

REPORT IP11

RUN DATE 27SEP82
TIME NOW DATE 28SEP82
PERIOD END DATE 05SEP75
PROJECT START DATE 16APR76

SORT C111-4)

SEL ACT(2) EQU *S* AND SS LES THA 12OCT82 SEL ACT(2) EQU *S* AND PC EQU *R* REJ PC EQU *C* PAGE C111-4)

BALDWIN CONSTRUCTION DEPT.

ACTIVITY IDENT.	START	PERCN COMP	REM DUR	FINISH	ORIGINAL DURATION	*****RESOURCE***** CODE TY AMOUNT REM	A CODE	B CODE
RS2001262C	BA CONST REMOVE BOLTS			2A-1 EL 737 ID	5	BCC W 37 37	BACSHRC	S2001
RS2001262C	STA PC ... RD FIN			28SEP82 5 04OCT82				
RS2001263C	BA CONST INSTALL BOLTS			2A-1 EL 737 ID	5	BCC W 37 37	BACSHRC	S2001
RS2001263C	STA PC ... RD FIN			28SEP82 5 04OCT82				
RS2001462C	BA CONST REMOVE BOLTS			2A-1 EL 767 ID	1	BCC W 6 6	BACSHRC	S2001
RS2001462C	STA PC ... RD FIN			28SEP82 1 28SEP82				
RS2001463C	BA CONST INSTALL BOLTS			2A-1 EL 767 ID	1	BCC W 6 6	BACSHRC	S2001
RS2001463C	STA PC ... RD FIN			28SEP82 1 28SEP82				
RS2002262C	BA CONST REMOVE BOLTS			2A-1 EL 737 OD	8	BCC W 61 61	BACSHRC	S2002
RS2002262C	STA PC ... RD FIN			28SEP82 8 07OCT82				
RS2002263C	BA CONST INSTALL BOLTS			2A-1 EL 737 OD	8	BCC W 60 60	BACSHRC	S2002
RS2002263C	STA PC ... RD FIN			28SEP82 8 07OCT82				
RS2002362C	BA CONST REMOVE BOLTS			2A-1 EL 755 OD	5	BCC W 39 39	BACSHRC	S2002
RS2002362C	STA PC ... RD FIN			28SEP82 5 04OCT82				
RS2002363C	BA CONST INSTALL BOLTS			2A-1 EL 755 OD	5	BCC W 29 29	BACSHRC	S2002
RS2002363C	STA PC ... RD FIN			28SEP82 5 04OCT82				

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COMPANY ILLINOIS POWER COMPANY
B.A. PLANNING & SCHEDULING
PROJECT CPS RECOVERY PLAN

RESOURCE SCHEDULING WORK SCHEDULE

PAGE 10

REPORT SR20

RUN DATE 27SEP82
TIME NOW DATE 28SEP82
PROJECT START DATE 16APR76
PROJECT END DATE 03JAN84

SHORT C111-41

SEL ACT(2) EQU *S* AND SS LES THA 28OCT82 SEL ACT(2) EQU *S* AND PC EQU *R* REJ PC EQU *C* PAGE C11
BALDWIN QUALITY CONTROLS DEPT.

ACTIVITY IDENT.	ACTIVITY DESCRIPTION	***DURATION*** ORIG REM. CURR	*RESOURCES* CODES AMT.T	SCHEDULE START	SCHEDULE FINISH	LATE START	LATE FINISH	REM. FLOAT
RS20023910 BA QC INSPECT CONNECTIONS	2A-1 EL 755 OD	10 10	BQC 20 W	28SEP82	11OCT82	27OCT82	09NOV82	21
RS20023920 BA QC TRANSCRIBE FIELD INSPECTION	2A-1 EL 755 OD	1 1	BQC 3 W	11OCT82	11OCT82	09NOV82	09NOV82	21
RS20023930 BA QC INSPECT&DOC INSTALLED BOLTS	2A-1 EL 755 OD	10 10	BQC 20 W	28SEP82	11OCT82	27OCT82	09NOV82	21
RS20034910 BA QC INSPECT FIXED CONNECTIONS	2A-2 EL 767 ID	4 4	BQC 8 W	19OCT82	22OCT82	30NOV82	03DEC82	27
RS20034920 BA QC TRANSCRIBE FIELD INSPECTION	2A-2 EL 767 ID	1 1	BQC 2 W	25OCT82	25OCT82	03DEC82	03DEC82	26
RS20034930 BA QC INSPECT&DOC INSTALLED BOLTS	2A-2 EL 767 ID	9 9	BQC 18 W	25OCT82	04NOV82	03DEC82	15DEC82	26
RS20034940 BA QC INSPECT EXPANSN CONNECTIONS	2A-2 EL 767 ID	5 5	BQC 10 W	19OCT82	25OCT82	29NOV82	03DEC82	26
RS20043910 BA QC INSPECT FIXED CONNECTIONS	2A-2 EL 755 OD	1 1	BQC 2 W	27OCT82	27OCT82	03DEC82	03DEC82	24
RS20043940 BA QC INSPECT EXPANSN CONNECTIONS	2A-2 EL 755 OD	9 9	BQC 18 W	27OCT82	08NOV82	19NOV82	03DEC82	16
RS20045720 BA QC REVIEW INSPECTION DOCUMENTS	2A-2 EL 778 OD	5 5		21OCT82	27OCT82	15NOV82	19NOV82	16
RS20045910 BA QC INSPECT FIXED CONNECTIONS	2A-2 EL 778 OD	1 1		19OCT82	19OCT82	12NOV82	12NOV82	17
RS20045920 BA QC TRANSCRIBE FIELD INSPECTION	2A-2 EL 778 OD	1 1		20OCT82	20OCT82	12NOV82	12NOV82	16
RS20045930 BA QC INSPECT&DOC INSTALLED BOLTS	2A-2 EL 778 OD	3 3		20OCT82	22OCT82	17NOV82	19NOV82	19
RS20045940 BA QC INSPECT EXPANSN CONNECTIONS	2A-2 EL 778 OD	2 2		19OCT82	20OCT82	10NOV82	12NOV82	16

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COMPANY ILLINOIS POWER COMPANY
D.A. PLANNING & SCHEDULING
PROJECT CPS RECOVERY PLAN

RESOURCE SCHEDULING MILESTONE LISTING

PAGE 1

REPORT SP24

RUN DATE 27SEP82
TIME NOW DATE 28SEP82
PROJECT START DATE 16APR76
PROJECT END DATE 03JAN84

SORT ACT(2),SFAF
PAGE ACT(2)

MILESTONE IDENT.	MILESTONE DESCRIPTION	*****CODES*****	CURRENT FORECAST COMPLETION	REQUIRED COMPLETION	VARIANCE	STATUS
		1 2 3				

RS00001000	DEVELOP & SUBMIT STRUCT STEEL RECOVERY TEAM PLAN IPSS FSC		29JUL82A		COMPLETE	
RS00000920	NRC PARTIAL LIFT SWO #019 PHASE 2A-1	NR HLC N	27SEP82	19OCT82	16	AHEAD OF SCHEDULE
RS00000830	NRC PARTIAL LITS SWO #019 PHASE 2A-2	NR HLC N	18OCT82	09NOV82	16	AHEAD OF SCHEDULE
RS00000840	NRC LIFT SWO #019 PAHSE 2B	NR HLC N	07DEC82	30DEC82	17	AHEAD OF SCHEDULE

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OBJECTIVE 2

SCHEDULE/STATUS

LEVEL OF DETAIL

NRC INTERFACE

EXAMPLE FOR OBJECTIVE 2

ACTIVITIES PERFORMED BY NUCLEAR STATION ENGINEERING DEPARTMENT,
DESIGN SECTION

PROCESS BA NCR'S

PROCESS BA FCR'S

PROCESS BA FER'S

PROCESS BA SPEEDLETTERS

PROCESS FPR'S

PROCESS NCMR'S

REVIEW AND APPROVE PROCEDURES

REVIEW AND APPROVE TEST RESULTS (NON-SAFETY)

ADMINISTER MONTHLY ENGINEERING/CONSTRUCTION MEETING

ADMINISTER BI-MONTHLY ENGINEERING/GE MEETING

ADMINISTER MONTHLY HVAC MEETING

ADMINISTER MONTHLY ENGINEERING/OPS/START-UP MEETING

PROVIDE TECHNICAL ASSISTANCE AS REQUESTED

SUPERVISE S & L ONSITE ACTIVITIES

PROCESS PART 21 AND 50.55 (E) ITEMS

PROCESS NRC IE BULLETINS AND NOTICES

PROCESS AUDIT/SURVEILLANCE FINDINGS

PROVIDE ENGINEERING INTERFACE FOR OPEN CONTRACTS

RESPOND TO LICENSING ISSUES

REVIEW DESIGN RECOMMENDATIONS

PREPARE AND DEVELOP PROGRAMS AND PROCEDURES

PLANT MODIFICATIONS (NON-SAFETY)

PREPARE REPORTS

RECOVERY PLANS - UPDATE

STRUCTURAL STEEL (SWO 19)

- . SUBMITTAL OF PHASED REINSPECTION PARTIALLY APPROVED BY NRC
- . PREREQUISITES COMPLETED
- . REINSPECTION OF FRICTION CONNECTIONS ON LOST DRAWINGS STARTED 8/27/82.

ELECTRICAL (SWO 16)

- . SUBMITTAL OF PHASED CONDUIT INSTALLATION SUBMITTED TO NRC
- . RECOVERY PLAN PREREQUISITES COMPLETED
- . DISAPPROVED BY NRC AND IS BEING REVIEWED BY IP

VERIFICATION TEAM REPORT

APPROXIMATELY 30% OF ITEMS IN THE REPORT HAVE BEEN SATISFACTORILY RESPONDED TO, AS REVIEWED BY THE RECOVERY TEAM.

HVAC (SWO 14, 15, 20)

- . PROJECT APPROVAL COMPLETE; SUBMITTED TO NRC

NCR/DR

- . PROJECT APPROVAL COMPLETE; SUBMITTED TO NRC
- . COMPUTER TRACKING PROGRAM ESTIMATED TO BE FUNCTIONAL IN NOVEMBER
- . TREND OF OPEN NCR/DR'S IS FAVORABLE SINCE START OF RECOVERY PROGRAM.

OTHER

- . PIPING/MECHANICAL, CORRECTIVE ACTION AND TRAINING RECOVERY PLANS ARE IN APPROVAL CYCLE.
- . REQUEST TO PERFORM NDE ON REFUELING BELLOWS (SWO 10) IS BEING REVIEWED BY NRC

CONSTRUCTION STATUS

TRAVELER CONTROL (PRESENT)

- . LARGE BORE PIPING
- . LARGE BORE PIPE HANGERS
- . SMALL BORE PIPING
- . SMALL BORE PIPE HANGERS
- . INSTRUMENTATION
- . ELECTRICAL HANGERS
- . MECHANICAL EQUIPMENT

TRAVELER CONTROL (FUTURE)

- . CABLE TRAY
- . TRAY ATTACHMENTS
- . CABLE PULL
- . CABLE TERMINATIONS
- . CONDUIT

TRAVELER STATUS

DISCIPLINE: LARGE ROPE PIPING

[illegible]

LARGE BOPE PIPE

	7-9-82	7-16-82	7-23-82	7-30-82	8-6-82	8-13-82	8-20-82	8-27-82	9-3-82	9-10-82	9-17-82	9-24-82
TOTAL WALKDOWNS	17	31	41	41	46	49	28	6	6	7	5	2
REJECTS	1	2	7	5	6	6	6	2	2	5	2	0
# REJECTED	5.88	6.45	17.07	12.20	13.04	12.24	21.42	332	332	712	402	0
TYPES OF REJECTS												
PROCEDURAL	0	0	1	0	0	0	0	0	0	0	0	0
TRACEABILITY	0	0	2	3	1	4	5	2	0	1	1	0
BENDS	0	0	1	1	0	0	0	0	1	0	0	0
CODE DATA PLATE	0	0	1	1	0	1	0	0	0	1	1	0
CONFIGURATION	0	1	1	0	0	0	0	0	2	2	1	0
VALVE ORIENTATION	0	0	1	0	0	1	1	0	0	0	1	0
NEB/DR WORK	1	1	0	0	0	0	0	0	0	0	1	0
FLANGED CONNECTION	0	0	0	0	1	0	0	0	0	0	1	0
BILL OF MATERIAL	0	0	0	0	2	0	0	0	0	1	0	0
FAB. TRAV. OPEN	0	0	0	0	1	0	0	0	0	1	0	0
TRAVELER ATTACHMENT	0	0	0	0	1	0	0	0	0	1	0	0

TRAVELER STATUS

DISCIPLINE: LARGE BORE PIPE HANGERS

[illegible]

LARGE BORE PIPE HANGER

	7-9-82	7-16-82	7-23-82	7-30-82	8-6-82	8-13-82	8-20-82	8-27-82	9-3-82	9-10-82	9-17-82	9-24-82
TOTAL INSPECTIONS	76	89	73	46	59	55	55	56	57	12	9	21
PHASE I - REJECTS	0	0	0	7	0	0	1	1	0	0	0	0
PHASE II - REJECTS	3	6	9	6	4	4	*8	19	4	2	1	2
TOTAL REJECTS	3	6	9	8	4	4	9	20	4	2	1	2
X REJECTS	3.95	6.74	12.33	17.39	6.78	7.27	16.4	33.2	7.8	16.2	11.2	9.8
TYPES OF REJECTS												
ANCHOR BOLTS	0	0	0	2	0	0	0	0	0	0	0	0
NUTS/BOLTS TIGHT	0	1	2	1	0	0	3	5	1	1	0	0
CLAMP ORIENTATION	0	2	2	0	0	0	0	2	2	1	0	0
TOLERANCES	1	1	1	1	1	0	1	9	0	0	1	1
CLEARANCES	1	1	0	0	0	1	0	1	0	0	1	0
MAT'L SIZE/DIMENSION	0	0	2	0	0	0	0	0	0	0	0	0
MAT'L IDENTIFICATION	1	0	2	0	1	2	1	1	1	1	0	0
DAMAGE	0	0	0	2	0	0	0	0	0	0	0	0
OTHER	0	1	0	2	2	1	4	11	0	1	0	1
TOTAL	3	6	9	8	4	4	9	20	4	4	2	2

* 6 are F.P. Hangers

TRAVELER STATUS

DISCIPLINE: SMALL BORE PIPING

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN- PROCESS	FINAL REVIEW		VAULT	TOTAL
		CONST. HOLD	ENG. HOLD	INVEN- TORY		ENG.	Q & TS		
9-3-82	215	6	75	610	100	76	153	2523	3658
9-14-82	177	6	82	674	99	70	97	2576	3781
9-17-82	216	8	103	678	100	76	67	2592	3840
9-24-82	210	9	111	638	100	65	84	2607	3824

* REDEFINED INSTRUMENT AIR FROM INSTRUMENTATION TO SMALL BORE (2" AND ABOVE)

SMALL BORE PIPE

	8-27-82	9-3-82	9-10-82	9-17-82	9-24-82					
TOTAL WALKDOWNS	13	4	7	16	21					
REJECTS	2	0	2	1	0					
% REJECTED	15%	0	28%	6%	0					
TYPES OF REJECTS										
PROCEDURAL		0	0	0	0					
TRACEABILITY	2	0	0	0	0					
BENDS	0	0	1	0	0					
CODE DATA PLATE	0	0	0	0	0					
CONFIGURATION	0	0	0	0	0					
VALVE ORIENTATION	0	0	0	0	0					
NCR/DR WORK	0	0	1	1	0					
FLANGED CONNECTION	0	0	0	0	0					
BILL OF MATERIAL	0	0	0	0	0					
FAB. TRAV. OPEN	0	0	0	0	0					
TRAVELER ATTACHMENT	0	0	0	0	0					

TRAVELER STATUS

DISCIPLINE: ~~SMALL BORE PIPE HANGERS~~

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN- PROCESS	FINAL REVIEW		VAULT	TOTAL
		CONST. HOLD	ENG. HOLD	INVEN- TORY		ENG.	Q & TS		
9-3-82	335	44	89	1506	100	23	13	383	2493
9-14-82	406	60	126	*1316	88	24	63	385	*2468
9-17-82	403	63	108	1311	99	25	55	400	2464
9-24-82	412	67	104	1299	100	35	40	413	2470

*REDUCTION OF TOTALS DUE TO 9-3 COUNT BEING TAKEN FROM TRANSMITTALS & CARDS CAUSING SOME DOUBLE COUNTING. WHEREAS THE 9-14 METHOD WAS IMPROVED TO A "HANDS ON" TRAVELER COUNT.

SMALL BORE PIPE HANGER

	8-27-82	9-3-82	9-10-82	9-17-82	9-24-82				
TOTAL INSPECTIONS	5	20	9	13	8				
PHASE I - REJECTS	0	0	0	0	0				
PHASE II - REJECTS	0	3	1	0	0				
TOTAL REJECTS	0	3	1	0	0				
% REJECTS	0%	15%	11%	0	0				
TYPES OF REJECTS ANCHOR BOLTS	0	0	0	0	0				
NUTS/BOLTS TIGHT	0	0	1	0	1				
CLAMP ORIENTATION	0	0	0	0	0				
TOLERANCES	0	2	0	0	0				
CLEARANCES	0	2	0	0	0				
MAT'L SIZE/DIMENSION	0	0	0	0	0				
MAT'L IDENTIFICATION	0	1	0	0	0				
DAMAGE	0	0	0	0	0				
OTHER	0	0	1	0	0				
TOTAL	0	5	2	0	0				

TRAVELER STATUS

DISCIPLINE: INSTRUMENTATION

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN- PROCESS	FINAL REVIEW		VAULT	TOTAL
		CONST. HOLD	ENG. HOLD	INVEN- TORY		ENG.	Q & TS		
9-3-82	195	62	10	1140	53	43	153	383	2039
9-14-82	199	71	29	1081	44	41	141	388	* 1994
9-17-82	198	78	38	1089	53	48	133	396	** 2033
9-24-82	201	83	97	1039	44	47	138	397	2040

* REDEFINED INSTRUMENTATION TO SMALL BORE (2" Ø AND ABOVE) AND PURGED NON-SAFETY TRAVELERS FROM SYSTEM COUNT

** INCLUDES 30 TRAVELERS MISSED IN LAST WEEKS COUNT

INSTRUMENTATION PIPE

	8-27-82	9-3-82	9-10-82	9-17-82	9-24-82					
TOTAL WALKDOWNS	0	1	2	0	3					
REJECTS	0	0	0	0	0					
% REJECTED	0	0	0	0	0					
TYPES OF REJECTS										
PROCEDURAL	0	0	0	0	0					
TRACEABILITY	0	0	0	0	0					
BENDS	0	0	0	0	0					
CODE DATA PLATE	0	0	0	0	0					
SLOPE	0	0	0	0	0					
CONFIGURATION	0	0	0	0	0					
VALVE ORIENTATION	0	0	0	0	0					
NCR/DR WORK	0	0	0	0	0					
FLANGED CONNECTION	0	0	0	0	0					
SUPPORTS INSTALLED	0	0	0	0	0					
BILL OF MATERIAL	0	0	0	0	0					
TRAVELER ATTACHMENT	0	0	0	0	0					
FAB. TRAV. OPEN	0	0	0	0	0					

TRAVELER STATUS

DISCIPLINE: ELECTRICAL HANGERS

	INITIAL REVIEW	TRAV. CONTROL GROUP			IN- PROCESS	FINAL REVIEW		VAULT	TOTAL
		CONST. HOLD	ENG. HOLD	INVEN- TORY		ENG.	Q & TS		
9-3-82	7088	50	1783	7700	500	4823	1061	11,360	34,365
9-14-82	7448	51	** 1621	** 7406	489	4291	1211	11,582	** 34,099
9-17-82	* 7387	51	*** 1799	7252	** 497	4061	1135	11,732	** 33,914
9-24-82	* 7586	49	1791	7145	498	3661	1512	11,856	34,222

* INCLUDES 6011 DELETED

** DECREASE DUE TO LOWER COUNT OF 95 TRAVELERS ON 9-14-82

*** A DISCREPANCY HAS BEEN DISCOVERED IN QC BETWEEN THOSE TRAVELERS BEING COUNTED FOR INITIAL REVIEW AND THOSE ON ENGINEERING HOLD. A "HANDS ON" RECOUNT IS IN PROGRESS AND THIS FIGURE WILL BE ADJUSTED ON THE NEXT ISSUE OF THIS REPORT.

ELECTRICAL HANGER

	8-27-82	9-3-82	9-10-82	9-17-82	9-24-82					
TOTAL INSPECTIONS	131	57	67	93	130					
REJECTS	16	5	8	9	19					
% REJECTED	12.21	8.77	11.08	9.67	14.61					
TYPES OF REJECTS										
LOCATION	6	2	0	1	0					
CONFIGURATION	4	2	8	4	15					
ORIENTATION	0	0	0	0	0					
ELEVATION	1	0	0	0	0					
"Z" DIMENSION	0	0	0	0	0					
TRACEABILITY	2	1	0	1	1					
DEFECTS	2	0	1	0	0					
TORQUE	0	0	1	0	0					
SHARP EDGES	1	0	0	1	1					
TOUCH-UP	3	1	1	1	2					
DOCUMENTATION	3	0	1	2	1					

TRAVELER STATUS

DISCIPLINE: ELECTRICAL TRAY ATTACHMENT

[illegible]

TRAVELER STATUS

DISCIPLINE: ELECTRICAL CABLE TRAY

[illegible]

TRAVELER STATUS

DISCIPLINE: MECHANICAL EQUIPMENT

[illegible]

TRAVELER STATUS

DISCIPLINE: PIPING EQUIPMENT

[illegible]

VERIFICATION PROGRAM

OBJECTIVE

VERIFY ADEQUACY OF INSTALLED HARDWARE AND COMPLETED
DOCUMENTATION.

ELEMENTS

OVERINSPECTION PROGRAM (SEPARATE FROM THE RECOVERY PROGRAM)
VAULT DOCUMENTATION VERIFICATION

NOTE: PROBLEMS IDENTIFIED IN THIS PROGRAM WILL BE ADDRESSED BY
EXISTING PROJECT PROCEDURES AND INSTRUCTIONS.

OVERINSPECTION

PROGRAM SUMMARY

OBJECTIVES

REINSPECT A PERCENTAGE OF ACCEPTED WORK WHICH WAS PLACED
IN DOCUMENT VAULT PRIOR TO JULY 26, 1982

REINSPECT A PERCENTAGE OF ON-GOING WORK.

SAMPLE SIZE

THE 20% COMMITMENT REPRESENTS A GENEROUS, BUT NOT
STATISTICAL, SAMPLE OF COMPLETED WORK.

TABLE I COMPARES THE NUMBER OF TRAVELERS BEING OVER-
INSPECTED TO THE MIL STD 105D NUMBER.

IN ALL CASES THE 20% SAMPLE IS LARGER.

THE 20% SELECTED ARE A RANDOM SELECTION OF THE TRAVELERS
IN THE VAULT.

THE TRAVELER SELECTION IS PERFORMED BY UST.

TABLE I

COMPARISON OF SAMPLE SIZE

	<u>OVERINSPECTION</u>	<u>MIL STD 105D</u>
LARGE BORE 471	94	50
SMALL BORE 2364	472	315
LARGE SUPPORTS 1007	201	80
SMALL SUPPORTS 170	34	32
ELEC. HANGERS 9793	1959	200
MECHANICAL EQUIP. 175	35	32
BEAMS 825 LEVEL 144	29	20

OVERINSPECTION

CONDUCT OF REINSPECTION

INSPECTION CHECKLISTS ORIGINALLY DEVELOPED BY U.S. TESTING CO.,
USING BA QC/TS CHECKLISTS AND VERIFICATION TEAM CHECKLISTS.

INITIAL DATA AND FINDINGS INDICATE THAT REFINEMENTS TO ADMINI-
STRATIVE CONTROLS ARE NECESSARY.

PROGRAM QUALITY ASSURANCE PROCEDURES ARE BEING REVISED TO
INCORPORATE PROGRAM IMPROVEMENTS:

- A. PRESCRIPTIVE DETAILS OF INSPECTION CRITERIA
- B. MECHANICS FOR INCREASING/DECREASING SAMPLING SIZE
- C. ADMINISTRATIVE FLOW PATHS FOR DOCUMENTATION
- D. DESCRIPTIONS OF SAMPLE CATEGORIES
- E. CONTROLS FOR TRENDING OF RESULTS

INITIAL NONCONFORMANCES HAVE BEEN DOCUMENTED ON NCR'S AND DR'S
AND ARE IN PROCESS OF BEING EVALUATED BY ENGINEERING FOR SAFETY
SIGNIFICANCE AND DISPOSITION.

RESULTS TO DATE

FIRST STATUS REPORT DUE OCTOBER 8.

EXAMPLES OF PRELIMINARY FINDINGS

STRUCTURAL STEEL

BLDG. - CONTROL ELEVATION 847

SAMPLE SIZE 20 BEAMS

NUMBER OF CHECKLISTS UTILIZED (2)

UST (CL) Q11.11C22 WELDING

UST (CL) Q11.06C16 BOLTED, STRUCTURAL STEEL

TOTAL NUMBER OF CHARACTERISTICS EXAMINED 1,355

PROBLEMS

- I) COPE DIMENSIONS (TOLERANCE) 30
 - A) DRAWING FAILED TO CONTAIN COPE TOLERANCES
- 2) WELD SIZE & PROFILE OR CONFIGURATION 105
 - A) DRAWINGS ONLY REQUIRED VERTICAL FILLET WELDS ON TIE TO EMBED; NO HORIZONTAL FILLET WELDS WERE REQUIRED.

ACTION

- I) NCR WAS INITIATED; BRISTOL STEEL AND SARGENT & LUNDY ARE IN PROCESS OF EVALUATING AND DISPOSITIONING,
- 2) NCR WAS INITIATED; BRISTOL STEEL AND SARGENT & LUNDY ARE IN PROCESS OF EVALUATING AND DISPOSITIONING,

LARGE BORE PIPING SUPPORTS

BLDG. - CONTAINMENT ELEVATION 739 THRU 764

FUEL ELEVATION 745

SAMPLE SIZE 13 EACH

NUMBER OF CHECKLISTS UTILIZED (2)

UST(CL) QII.02C09 OVERINSPECTION OF PIPING RUNS

UST(CL) QII.IIC22 WELDING OVERINSPECTION

TOTAL NUMBER OF CHARACTERISTICS EXAMINED 244

PROBLEMS

- 1) TRACEABILITY - WELDER ID OR RIR NUMBER 6
 - A) WELDER ID AND RIR NUMBER IS INCLUDED IN TRAVELER; HOWEVER WAS NOT AFFIXED TO HARDWARE.
- 2) HARDWARE INSTALLATION-INCOMPLETE 6
 - A) MISSING NUTS, BOLTS, AND PINS.

ACTION

- 1) DR WAS INITIATED; IN PROCESS OF EVALUATION BY BA AND IP FOR DISPOSITION
- 2) DR WAS INITIATED; IN PROCESS OF EVALUATION OF BA AND IP FOR DISPOSITION

QA INVOLVEMENT WITH
A/E AND NSSS SUPPLIER

IP QA AUDIT TEAMS

- . PERSONNEL WILL BE SUPPLEMENTED FROM NSED OR CONSULTANTS
- . ENGINEERING DRAWINGS, CALCULATIONS, ANALYSES, EVALUATIONS, WILL BE REVIEWED IN DEPTH ON A SAMPLING BASIS BY EXPERIENCED TECHNICAL/ENGINEERING PERSONNEL.

IP QA WILL REVIEW AND APPROVE SARGENT & LUNDY PROJECT INSTRUCTIONS PRIOR TO IMPLEMENTATION OF CLINTON-RELATED WORK.

IP - S&L REPORTING CHAINS ARE BEING MODIFIED TO ESTABLISH IP QA AS THE LEAD QA ORGANIZATION.

- . S&L QA WILL REPORT TO S&L MANAGEMENT AND IP QA.
- . S&L QA ACTIVITIES WILL MORE CLOSELY BE MONITORED AND DIRECTION WILL BE GIVEN BY IP QA AS NECESSARY.
- . S&L QA WILL ESTABLISH A RESIDENT QA AUDITOR AT CLINTON WHO WILL REPORT TO IP QA AND S&L QA.

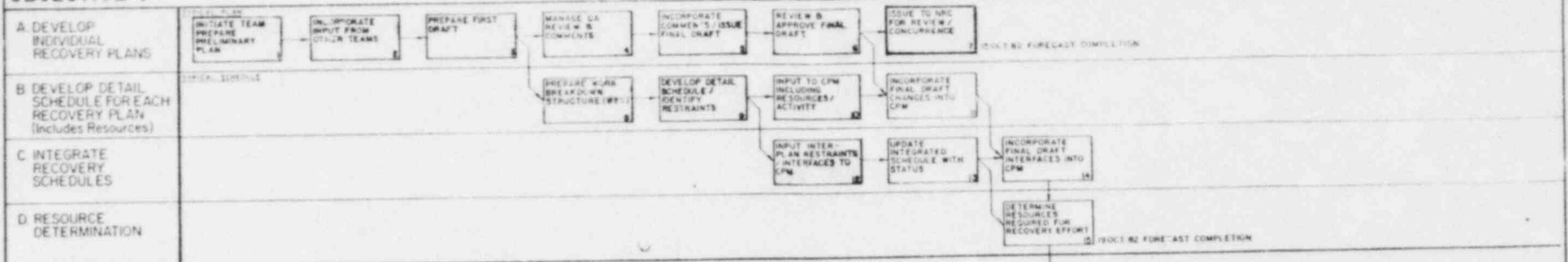
IP - GE REPORTING CHAINS ARE BEING MODIFIED TO ESTABLISH IP QA AS THE LEAD SITE QUALITY ORGANIZATION.

- . GE SITE QUALITY CONTROL WILL REPORT TO GE MANAGEMENT AND IP QA.
- . GE QA ACTIVITIES WILL MORE CLOSELY BE MONITORED AND DIRECTION WILL BE GIVEN BY IP QA AS NECESSARY.

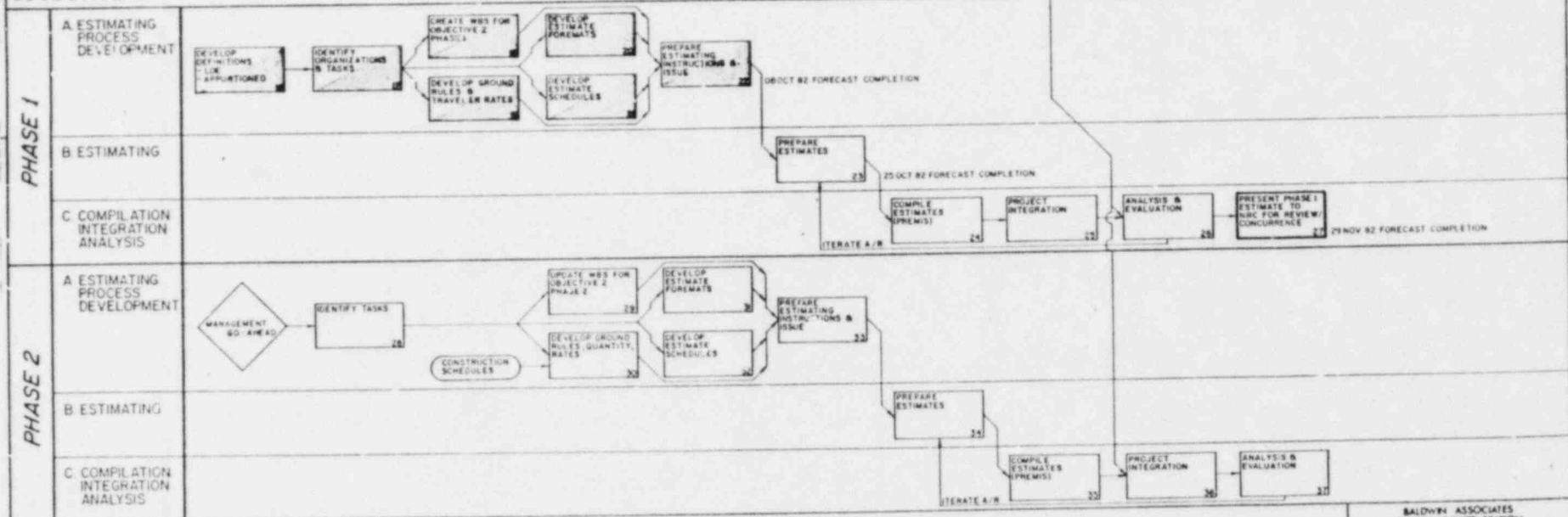
ILLINOIS POWER COMPANY
CLINTON POWER STATION

RECOVERY & INTEGRATION PLAN
PROJECT RESOURCE EVALUATION FLOW CHART

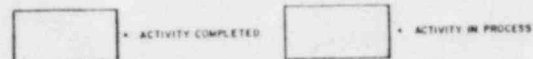
OBJECTIVE 1



OBJECTIVE 2



LEGEND



REVISIONS

NO.	DATE	DESCRIPTION
1	10/1/81	INITIAL DRAFT
2	10/1/81	REVISIONS
3	10/1/81	REVISIONS
4	10/1/81	REVISIONS
5	10/1/81	REVISIONS
6	10/1/81	REVISIONS
7	10/1/81	REVISIONS

BALDWIN ASSOCIATES CLINTON POWER STATION (FOR)	
ILLINOIS POWER COMPANY	
PROJECT RESOURCE EVALUATION FLOW CHART	
DATE: 10/1/81	BY: [Signature]
DATE: 10/1/81	BY: [Signature]
DATE: 10/1/81	BY: [Signature]
DATE: 10/1/81	BY: [Signature]