Combined IR/ER/LER Report Docket: 50-328 SEQUOYAH 2

1997 Human Factors Information System Report for Plant Docket 328

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Total Number of Hits in Date Range: 159
     From 01/01/1997 to 12/12/1997
     2x National Average: 199
Details
                    Department
                                        Work Type
                                                       Docket/Report
Communications IR
Number of items: 4
Percent of total: 2.52
53-Communication LT G-Engineering
                                        M-Maint / Repair
                                                            50-328/1997003
                    G-Engineering
53-Communication LT H-Health Physics
                                        H-Health Physics
                                                            50-328/1997006
                    H-Health Physics
53-Communication LT O-Operations
                                        S-Surveillance
                                                            50-328/1997012
                    O-Operations
52-Communication un G-Engineering
                                        T-Testing
                                                            50-328/1997014
                    G-Engineering
Communications ER
Number of items: 0
Percent of total: 0
Communications LER
Number of items: 0
Percent of total: 0
Human-System Interface and Environm IR
Number of items: 3
Percent of total: 1.89
61-Labels LTA I-Instrumentation & B-Bal of Plant Ops 50-328/1997003
73-Excessive Noise Z-Other
                                        Z-Other
                                                             50-328/1997007
                                       B-Bal of Plant Ops 50-328/1997013
61-Labels LTA
                   0-Operations
Human-System Interface and Environm ER
Number of items: 0
Percent of total: 0
Human-System Interface and Environm LER
Number of items: 0
Percent of total: 0
Management and Supervision IR
Number of items: 23
Percent of total: 14.47
33-Management expec B-Plant Management U-Unknown
                                                            50-328/1996016
40-Individual Corre B-Plant Management U-Unknown
                                                            50-328/1996016
41-Action not begun B-Plant Management U-Unknown
                                                            50-328/1996016
40-Individual Corre M-Mechanical
                                  U-Unknown
U-Unknown
                                                            50-328/1996017
43-Operating Experi M-Mechanical
                                                            50-328/1996017
40-Individual Corre I-Instrumentation & B-Bal of Plant Ops 50-328/1997003
44-Corrective Actio O-Operations B-Bal of Plant Ops 50-328/1997003
44-Corrective Actio U-Operations 2 _____ 36-Scheduling and p W-Work Control / Sc M-Maint / Repair
                                                            50-328/1997003
40-Individual Corre E-Electrical T-Testing
                                                            50-328/1997003
40-Individual Corre G-Engineering
                                       G-Design
                                                            50-328/1997003
                                       M-Maint / Repair
32-Supervision / co M-Mechanical
                                                            50-328/1997004
                                       P-Procedure Dev
                                                           50-328/1997004
40-Individual Corre G-Engineering
47-Root Cause LTA G-Engineering
                                        G-Design
                                                            50-328/1997006
                        Date:08/12/1998
          Page: 1
          Combined IR/ER/LER Report
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     Total Number of Hits in Date Range: 159
     From 01/01/1997 to 12/12/1997
     2x National Average: 199
Details
                    Department
                                        Work Type
                                                            Docket/Report
Management and Supervision IR
Number of items: 23
Percent of Total: 14.47
44-Corrective Actio O-Operations
                                        Z-Other
                                                            50-328/1997006
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Human Factors Information System Report
40-Individual Corre G-Engineering
                                       G-Design
                                                          50-328/1997006
41-Action not begun Z-Other
                                      M-Maint / Repair
                                                          50-328/1997006
                                      F-Modification
                                                          50-328/1997008
40-Individual Corre G-Engineering
41-Action not begun O-Operations
                                     F-Modification
                                                          50-328/1997009
40-Individual Corre G-Engineering
                                      Z-Other
                                                          50-328/1997009
40-Individual Corre G-Engineering
                                      Z-Other
                                                          50-328/1997012
47-Root Cause LTA 0-Operations
                                      Z-Other
                                                          50-328/1997013
36-Scheduling and p W-Work Control / Sc S-Surveillance
                                                          50-328/1997014
36-Scheduling and p O-Operations S-Surveillance
                                                          50-328/1997014
Management and Supervision ER
Number of items: 0
Percent of total: 0
Management and Supervision LER
```

Number of items: 0 Percent of total: 0

Organizational Issues IR

Number of items: 3 Percent of total: 1.89

21-Staffing LTA B-Plant Management U-Unknown 50-328/1996016 27-Excessive hours H-Health Physics H-Health Physics 50-328/1997006 22-Poor Task Alloca G-Engineering G-Design 50-328/1997009

Organizational Issues ER Number of items: 0 Percent of total: 0

Organizational Issues LER Number of items: 0 Percent of total: 0

Procedures and Reference Document IR

Number of items: 23 Percent of total: 14.47

12-Procedure techni G-Engineering 50-328/1996012 U-Unknown 12-Procedure techni O-Operations U-Unknown 50-328/1996012 12-Procedure techni C-Chemistry U-Unknown 50-328/1996017 12-Procedure techni M-Mechanical U-Unknown 50-328/1996017 12-Procedure techni O-Operations B-Bal of Plant Ops 50-328/1997003 11-No procedure / r G-Engineering G-Design 50-328/1997003 12-Procedure techni G-Engineering G-Design 50-328/1997003 11-No procedure / r G-Engineering G-Design 50-328/1997003 13-Procedure has hu G-Engineering G-Design 50-328/1997004 12-Procedure techni G-Engineering G-Design 50-328/1997006 12-Procedure techni G-Engineering G-Design 50-328/1997006 13-Procedure has hu G-Engineering G-Design 50-328/1997007 12-Procedure techni G-Engineering G-Design 50-328/1997008

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Total Number of Hits in Date Range: 159

From 01/01/1997 to 12/12/1997 2x National Average: 199

Details	Department	Work Type	Docket/Report
Number of it Percent of To 12-Procedure 12-Procedure 13-Procedure 12-Procedure 12-Procedure 12-Procedure 12-Procedure 13-Procedure	tal: 14.47 techni G-Engineering techni G-Engineering techni T-Training has hu G-Engineering techni G-Engineering techni G-Engineering techni G-Engineering techni G-Engineering	G-Design G-Design A-Administrative G-Design G-Design G-Design G-Design G-Design G-Pesign G-Pesign G-Pesign	50-328/1997008 50-328/1997009 50-328/1997012 50-328/1997013 50-328/1997013 50-328/1997013 50-328/1997014 50-328/1997014
12-Procedure	techni G-Engineering	G-Design	50-328/1997300
Procedures an Number of it Percent of to		ER	
Procedures an	d Reference Document 1	LER	

Percent of total: 2.52

Number of items: 4

13-Procedure has hu E-Electrical

T-Testing 50-328/199700100

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13-Procedure has hu I-Instrumentation & A-Administrative
                                                           50-327/199700300
13-Procedure has hu I-Instrumentation & T-Testing
                                                           50-327/199700300
13-Procedure has hu I-Instrumentation & T-Testing
                                                           50-327/199700800
Training IR
Number of items: 7
Percent of total: 4.4
02-Training LTA
                  E-Electrical
                                       F-Modification
                                                           50-328/1997008
                                       B-Bal of Plant Ops 50-328/1997012
05-Individual knowl O-Operations
02-Training LTA T-Training
                                       Z-Other
                                                           50-328/1997300
                  T-Training
02-Training LTA
                                      Z-Other
                                                           50-328/1997300
03-Training process T-Training
                                      Z-Other
                                                           50-328/1997300
03-Training process T-Training
                                      Z-Other
                                                           50-328/1997300
                                      Z-Other
03-Training process T-Training
                                                           50-328/1997300
Training ER
Number of items: 0
Percent of total: 0
Training LER
Number of items: 0
Percent of total: 0
Work Factors IR
Number of items: 90
Percent of total: 56.6
84-Non-conserv. dec O-Operations
                                       U-Unknown
                                                           50-328/1996017
84-Non-conserv. dec O-Operations
                                                           50-328/1996017
                                       U-Unknown
84-Non-conserv. dec C-Chemistry
                                       U-Unknown
                                                           50-328/1996017
87-Willful non-cons M-Mechanical
                                       U-Unknown
                                                           50-328/1996017
92-Self check LTA C-Chemistry
                                       U-Unknown
                                                           50-328/1996017
         Page: 3
                       Date:08/12/1998
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Total Number of Hits in Date Range: 159

From 01/01/1997 to 12/12/1997

2x National Average: 199

Details	Department	Work Type	Docket/Report			
Work Factors IR Number of items: 90 Percent of Total: 56.6						
	0-Operations	B Bal of Blant One	50-328/1997003			
82-Briefing, prep.	-	B-Bal of Plant Ops B-Bal of Plant Ops	50-328/1997003			
	I-Instrumentation &	-	50-328/1997003			
83-Work practice or		B-Bal of Plant Ops	50-328/1997003			
83-Work practice or	-	M-Maint / Repair	50-328/1997003			
-	W-Work Control / Sc	-	50-328/1997003			
93-Awareness or att		M-Maint / Repair	50-328/1997003			
	W-Work Control / Sc	· -	50-328/1997003			
93-Awareness or att		M-Maint / Repair	50-328/1997003			
91-Verification / p	E-Electrical	M-Maint / Repair	50-328/1997003			
92-Self check LTA	E-Electrical	M-Maint / Repair	50-328/1997003			
82-Briefing, prep.	E-Electrical	M-Maint / Repair	50-328/1997003			
91-Verification / p	E-Electrical	M-Maint / Repair	50-328/1997003			
83-Work practice or		T-Testing	50-328/1997003			
83-Work practice or		T-Testing	50-328/1997003			
81-Work Package Qua	3	G-Design	50-328/1997003			
81-Work Package Qua		G-Design	50-328/1997003			
93-Awareness or att		G-Design	50-328/1997003			
87-Willful non-cons	_	H-Health Physics	50-328/1997003			
87-Willful non-cons	-	H-Health Physics	50-328/1997003			
87-Willful non-cons	-	H-Health Physics	50-328/1997003			
83-Work practice or		M-Maint / Repair	50-328/1997004			
83-Work practice or 86-Work untimely		Z-Other Z-Other	50-328/1997006 50-328/1997006			
83-Work practice or	O-Operations	A-Administrative	50-328/1997006			
83-Work practice or	-	M-Maint / Repair	50-328/1997006			
	W-Work Control / Sc		50-328/1997006			
92-Self check LTA	M-Mechanical	M-Maint / Repair	50-328/1997006			
82-Briefing, prep.		M-Maint / Repair	50-328/1997006			
83-Work practice or	-	A-Administrative	50-328/1997006			
83-Work practice or		G-Design	50-328/1997006			
83-Work practice or		H-Health Physics	50-328/1997006			
83-Work practice or	-	Z-Other	50-328/1997007			
81-Work Package Qua		G-Design	50-328/1997007			
83-Work practice or	Z-Other	K-Housekeeping	50-328/1997007			
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-328/1997008			
86-Work untimely	O-Operations	A-Administrative	50-328/1997008			

Human Factors Information System Report

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86-Work untimely
                       O-Operations
                                               A-Administrative
                                                                      50-328/1997008
                                              A-Administration 50-328/1997000 G-Design 50-328/1997008 50-328/1997008
81-Work Package Qua G-Engineering
83-Work practice or G-Engineering
91-Verification / p T-Training
                                             G-Design
                                            A-Administrative 50-328/1997008
93-Awareness or att G-Engineering
83-Work practice or G-Engineering
                                              G-Design
                                                                      50-328/1997008
                                            G-Design 50-328/1997008
F-Modification 50-328/1997009
M-Maint / Repair 50-328/1997009
83-Work practice or G-Engineering
83-Work practice or M-Mechanical
93-Awareness or att E-Electrical F-Modification
83-Work practice or I-Instrumentation & M-Maint / Repair
                                                                      50-328/1997009
                                                                      50-328/1997009
91-Verification / p O-Operations B-Bal of Plant Ops 50-328/1997009
83-Work practice or M-Mechanical
                                          M-Maint / Repair 50-328/1997009
F-Modification 50-328/1997009
81-Work Package Qua G-Engineering
                             Date:08/12/1998
            Page: 4
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2x National Average: 199

87-Willful non-cons E-Electrical

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Details
                                                                     Work Type
                                                                                                       Docket/Report
                                   Department
Work Factors IR
  Number of items: 90
Percent of Total: 56.6
 93-Awareness or att O-Operations
                                                                    S-Surveillance
                                                                                                        50-328/1997012
93-Awareness or att O-Operations S-Surveillance 50-328/1997012
93-Awareness or att W-Work Control / Sc S-Surveillance 50-328/1997012
93-Awareness or att O-Operations S-Surveillance 50-328/1997012
93-Awareness or att O-Operations S-Surveillance 50-328/1997012
93-Awareness or att O-Operations S-Surveillance 50-328/1997012
84-Non-conserv. dec O-Operations T-Testing 50-328/1997012
81-Work Package Qua T-Training Z-Other 50-328/1997012
83-Work practice or T-Training A-Administrative 50-328/1997012
83-Work practice or I-Instrumentation & F-Modification 50-328/1997012
83-Work practice or W-Work Control / Sc F-Modification 50-328/1997012
83-Work practice or W-Work Control / Sc F-Modification
83-Work practice or W-Work Control / Sc F-Modification 50-328/1997012
83-Work practice or O-Operations M-Maint / Repair 50-328/1997013
92-Self check LTA O-Operations M-Maint / Repair 50-328/1997013
93-Awareness or att O-Operations M-Maint / Repair 50-328/1997013
83-Work practice or O-Operations M-Maint / Repair 50-328/1997013
83-Work practice or O-Operations M-Maint / Repair 50-328/1997013
93-Awareness or att O-Operations O-Control Room Ops 50-328/1997013
92-Self check LTA O-Operations O-Control Room Ops 50-328/1997013
                                                                  B-Bal of Plant Ops 50-328/1997013
91-Verification / p O-Operations
                                                                 B-Bal of Plant Ops 50-328/1997013
B-Bal of Plant Ops 50-328/1997013
B-Bal of Plant Ops 50-328/1997013
91-Verification / p O-Operations
91-Verification / p O-Operations
91-Verification / p O-Operations
                                                               B-Bal of Plant Ops 50-328/1997013
B-Bal of Plant Ops 50-328/1997014
83-Work practice or O-Operations
83-Work practice or O-Operations
                                                                    B-Bal of Plant Ops 50-328/1997014
                                                                  M-Maint / Repair 50-328/1997014
93-Awareness or att O-Operations
93-Awareness or att O-Operations
                                                                  O-Control Room Ops 50-328/1997014
                                                                     T-Testing
 92-Self check LTA O-Operations
                                                                                                        50-328/1997014
                                                                    B-Bal of Plant Ops 50-328/1997014
83-Work practice or O-Operations
83-Work practice or B-Plant Management A-Administrative 50-328/1997014
83-Work practice or E-Electrical T-Testing 50-328/1997014
84-Non-conserv. dec O-Operations Z-Other 50-328/1997300
86-Work untimely O-Operations Z-Other 50-328/1997300
 81-Work Package Qua T-Training
                                                                  Z-Other
                                                                                                     50-328/1997300
                                                                  Z-Other
Z-Other
93-Awareness or att T-Training
                                                                                                       50-328/1997300
                                                                                                       50-328/1997300
81-Work Package Qua T-Training
Work Factors ER
 Number of items: 0
 Percent of total: 0
Work Factors LER
 Number of items: 2
 Percent of total: 1.26
87-Willful non-cons E-Electrical
                                                                                                        50-328/199700900
                                                                     F-Modification
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Date:08/12/1998

50-327/199700700

M-Maint / Repair