

1998 Human Factors Information System Report for Plant Docket 316

Combined IR/ER/LER Report
Docket: 50-316 COOK 2

Total Number of Hits in Date Range: 225
From 01/01/1998 to 12/31/1998
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 5			
Percent of total: 2.22			
52-Communication un	G-Engineering G-Engineering	A-Administrative	50-316/1997025
53-Communication LT	O-Operations O-Operations	Z-Other	50-316/1998003
51-Misunderstood /	Z-Other Z-Other	F-Modification	50-316/1998004
51-Misunderstood /	G-Engineering G-Engineering	G-Design	50-316/1998012
51-Misunderstood /	G-Engineering G-Engineering	G-Design	50-316/1998012
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 1			
Percent of total: .44			
51-Misunderstood /	Z-Other Z-Other	P-Procedure Dev	50-316/199800201
Human-System Interface and Environm IR			
Number of items: 1			
Percent of total: .44			
65-Information Cont	O-Operations	O-Control Room Ops	50-316/1997018
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: 33			
Percent of total: 14.67			
44-Corrective Actio	T-Training	Z-Other	50-316/1997023
41-Action not begun	O-Operations	Z-Other	50-316/1997023
44-Corrective Actio	O-Operations	Z-Other	50-316/1997023
32-Supervision / co	G-Engineering	F-Modification	50-316/1997024
32-Supervision / co	O-Operations	Z-Other	50-316/1998003
44-Corrective Actio	T-Training	Z-Other	50-316/1998003
47-Root Cause LTA	G-Engineering	Z-Other	50-316/1998004
48-Audits or proble	Q-QA/QC	Z-Other	50-316/1998004
32-Supervision / co	O-Operations	S-Surveillance	50-316/1998005
41-Action not begun	G-Engineering	Z-Other	50-316/1998005
43-Operating Experi	G-Engineering	Z-Other	50-316/1998005

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Total Number of Hits in Date Range: 225
From 01/01/1998 to 12/31/1998
2x National Average: 255

Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 33			
Percent of Total: 14.67			
40-Individual Corre	G-Engineering	Z-Other	50-316/1998005
40-Individual Corre	G-Engineering	Z-Other	50-316/1998005

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44-Corrective Actio	G-Engineering	Z-Other	50-316/1998005
41-Action not begun	G-Engineering	Z-Other	50-316/1998007
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-316/1998008
47-Root Cause LTA	O-Operations	Z-Other	50-316/1998008
41-Action not begun	Z-Other	A-Administrative	50-316/1998008
32-Supervision / co	O-Operations	O-Control Room Ops	50-316/1998012
40-Individual Corre	O-Operations	O-Control Room Ops	50-316/1998012
40-Individual Corre	O-Operations	Z-Other	50-316/1998012
36-Scheduling and p	O-Operations	O-Control Room Ops	50-316/1998012
41-Action not begun	B-Plant Management	Z-Other	50-316/1998012
32-Supervision / co	O-Operations	B-Bal of Plant Ops	50-316/1998015
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-316/1998015
34-Perceived pressu	M-Mechanical	M-Maint / Repair	50-316/1998015
33-Management expec	O-Operations	O-Control Room Ops	50-316/1998016
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-316/1998016
41-Action not begun	O-Operations	Z-Other	50-316/1998016
44-Corrective Actio	O-Operations	Z-Other	50-316/1998016
40-Individual Corre	O-Operations	A-Administrative	50-316/1998016
40-Individual Corre	I-Instrumentation &	Z-Other	50-316/1998016
40-Individual Corre	W-Work Control / Sc	Z-Other	50-316/1998016

Management and Supervision ER

Number of items: 0

Percent of total: 0

Management and Supervision LER

Number of items: 4

Percent of total: 1.78

32-Supervision / co	M-Mechanical	M-Maint / Repair	50-316/199800801
32-Supervision / co	M-Mechanical	S-Surveillance	50-316/199800801
33-Management expec	M-Mechanical	M-Maint / Repair	50-316/199800801
33-Management expec	M-Mechanical	S-Surveillance	50-316/199800801

Organizational Issues IR

Number of items: 1

Percent of total: .44

27-Excessive hours	T-Training	Z-Other	50-316/1997023
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Organizational Issues ER

Number of items: 0

Percent of total: 0

Organizational Issues LER

Number of items: 1

Percent of total: .44

22-Poor Task Alloca	G-Engineering	A-Administrative	50-316/199800801
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Procedures and Reference Document IR

Number of items: 39

Percent of total: 17.33

12-Procedure techni	G-Engineering	G-Design	50-316/1997017
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Total Number of Hits in Date Range: 225

From 01/01/1998 to 12/31/1998

2x National Average: 255

Details	Department	Work Type	Docket/Report
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Procedures and Reference Document IR

Number of items: 39

Percent of Total: 17.33

12-Procedure techni	G-Engineering	G-Design	50-316/1997017
12-Procedure techni	G-Engineering	G-Design	50-316/1997018
12-Procedure techni	G-Engineering	G-Design	50-316/1997018
12-Procedure techni	G-Engineering	G-Design	50-316/1997018
12-Procedure techni	G-Engineering	G-Design	50-316/1997018
13-Procedure has hu	G-Engineering	G-Design	50-316/1997018
12-Procedure techni	Z-Other	Z-Other	50-316/1997018
12-Procedure techni	G-Engineering	G-Design	50-316/1997024
11-No procedure / r	G-Engineering	G-Design	50-316/1997024
12-Procedure techni	G-Engineering	G-Design	50-316/1998004
12-Procedure techni	G-Engineering	G-Design	50-316/1998004
13-Procedure has hu	G-Engineering	G-Design	50-316/1998004
11-No procedure / r	G-Engineering	G-Design	50-316/1998004
12-Procedure techni	G-Engineering	G-Design	50-316/1998005
12-Procedure techni	G-Engineering	G-Design	50-316/1998005
12-Procedure techni	G-Engineering	G-Design	50-316/1998005
12-Procedure techni	G-Engineering	G-Design	50-316/1998005

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12-Procedure techni	G-Engineering	G-Design	50-316/1998005
12-Procedure techni	G-Engineering	G-Design	50-316/1998005
12-Procedure techni	G-Engineering	G-Design	50-316/1998005
12-Procedure techni	G-Engineering	G-Design	50-316/1998005
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-316/1998007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-316/1998007
11-No procedure / r	D-Emergency Plannin	D-Emergency Drill	50-316/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998008
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-316/1998008
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-316/1998008
12-Procedure techni	G-Engineering	G-Design	50-316/1998009
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998012
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998012
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998012
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998012
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998012
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-316/1998012
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998012
12-Procedure techni	P-Procedure Writers	M-Maint / Repair	50-316/1998015
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-316/1998016
12-Procedure techni	P-Procedure Writers	M-Maint / Repair	50-316/1998016

Procedures and Reference Document ER

Number of items: 0
Percent of total: 0

Procedures and Reference Document LER

Number of items: 4
Percent of total: 1.78

14-Document develop	E-Electrical	G-Design	50-316/199800400
12-Procedure techni	E-Electrical	M-Maint / Repair	50-315/199801300
14-Document develop	E-Electrical	M-Maint / Repair	50-315/199801300
14-Document develop	O-Operations	P-Procedure Dev	50-315/199802500

Training IR

Number of items: 16
Percent of total: 7.11

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Details	Department	Work Type	Docket/Report
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Training IR

Number of items: 16
Percent of Total: 7.11

03-Training process	T-Training	Z-Other	50-316/1997023
01-No Training	T-Training	Z-Other	50-316/1997023
03-Training process	T-Training	Z-Other	50-316/1997023
01-No Training	T-Training	B-Bal of Plant Ops	50-316/1997024
03-Training process	T-Training	Z-Other	50-316/1998003
03-Training process	T-Training	Z-Other	50-316/1998003
05-Individual knowl	G-Engineering	F-Modification	50-316/1998004
05-Individual knowl	G-Engineering	F-Modification	50-316/1998004
05-Individual knowl	G-Engineering	F-Modification	50-316/1998004
02-Training LTA	T-Training	G-Design	50-316/1998004
05-Individual knowl	G-Engineering	F-Modification	50-316/1998004
05-Individual knowl	G-Engineering	G-Design	50-316/1998007
05-Individual knowl	O-Operations	O-Control Room Ops	50-316/1998007
05-Individual knowl	B-Plant Management	Z-Other	50-316/1998012
02-Training LTA	T-Training	O-Control Room Ops	50-316/1998016
02-Training LTA	W-Work Control / Sc	M-Maint / Repair	50-316/1998016

Training ER

Number of items: 1
Percent of total: .44

05-Individual knowl	O-Operations	Z-Other	50-316/1998305
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Training LER

Number of items: 2
Percent of total: .89

02-Training LTA	M-Mechanical	M-Maint / Repair	50-316/199800801
02-Training LTA	M-Mechanical	S-Surveillance	50-316/199800801

Work Factors IR

Number of items: 112
Percent of total: 49.78

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81-Work Package Qua	G-Engineering	G-Design	50-316/1997017
83-Work practice or	O-Operations	O-Control Room Ops	50-316/1997018
83-Work practice or	F-Fuel Handling	R-Refueling	50-316/1997018
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-316/1997018
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-316/1997018
84-Non-conserv. dec	W-Work Control / Sc	M-Maint / Repair	50-316/1997018
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-316/1997018
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-316/1997018
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-316/1997018
89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-316/1997018
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-316/1997018
89-Housekeeping LTA	M-Mechanical	K-Housekeeping	50-316/1997018
91-Verification / p	Z-Other	Z-Other	50-316/1997018
86-Work untimely	T-Training	Z-Other	50-316/1997023
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-316/1997024
83-Work practice or	M-Mechanical	F-Modification	50-316/1997024
83-Work practice or	M-Mechanical	M-Maint / Repair	50-316/1997024
83-Work practice or	M-Mechanical	M-Maint / Repair	50-316/1997024
94-Log-keeping or r	O-Operations	T-Testing	50-316/1997025

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Docket: 50-316 COOK 2

Total Number of Hits in Date Range: 225

From 01/01/1998 to 12/31/1998

2x National Average: 255

Details	Department	Work Type	Docket/Report
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Work Factors IR

Number of items: 112

Percent of Total: 49.78

81-Work Package Qua	W-Work Control / Sc	T-Testing	50-316/1997025
83-Work practice or	G-Engineering	G-Design	50-316/1997025
83-Work practice or	G-Engineering	G-Design	50-316/1997025
83-Work practice or	T-Training	Z-Other	50-316/1998003
83-Work practice or	T-Training	Z-Other	50-316/1998003
83-Work practice or	T-Training	Z-Other	50-316/1998003
81-Work Package Qua	T-Training	Z-Other	50-316/1998003
82-Briefing, prep.	O-Operations	Z-Other	50-316/1998003
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998004
83-Work practice or	G-Engineering	A-Administrative	50-316/1998004
83-Work practice or	O-Operations	A-Administrative	50-316/1998004
93-Awareness or att	G-Engineering	A-Administrative	50-316/1998004
93-Awareness or att	G-Engineering	F-Modification	50-316/1998004
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998004
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998004
83-Work practice or	G-Engineering	F-Modification	50-316/1998004
83-Work practice or	G-Engineering	G-Design	50-316/1998004
83-Work practice or	G-Engineering	G-Design	50-316/1998004
83-Work practice or	G-Engineering	G-Design	50-316/1998004
85-Team interaction	G-Engineering	F-Modification	50-316/1998004
85-Team interaction	G-Engineering	F-Modification	50-316/1998004
83-Work practice or	G-Engineering	G-Design	50-316/1998004
83-Work practice or	G-Engineering	A-Administrative	50-316/1998004
93-Awareness or att	G-Engineering	G-Design	50-316/1998004
83-Work practice or	G-Engineering	A-Administrative	50-316/1998004
83-Work practice or	G-Engineering	G-Design	50-316/1998004
81-Work Package Qua	G-Engineering	G-Design	50-316/1998004
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998004
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998004
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998004
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998004
93-Awareness or att	T-Training	Z-Other	50-316/1998004
81-Work Package Qua	Q-QA/QC	Z-Other	50-316/1998004
83-Work practice or	G-Engineering	P-Procedure Dev	50-316/1998005
91-Verification / p	G-Engineering	G-Design	50-316/1998005
83-Work practice or	M-Mechanical	F-Modification	50-316/1998005
83-Work practice or	M-Mechanical	F-Modification	50-316/1998005
81-Work Package Qua	G-Engineering	F-Modification	50-316/1998005
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-316/1998007
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-316/1998007
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-316/1998007
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-316/1998007
83-Work practice or	E-Electrical	S-Surveillance	50-316/1998007
86-Work untimely	E-Electrical	S-Surveillance	50-316/1998007
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998008
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998008
83-Work practice or	O-Operations	O-Control Room Ops	50-316/1998008
93-Awareness or att	O-Operations	A-Administrative	50-316/1998008
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998008

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93-Awareness or att O-Operations O-Control Room Ops 50-316/1998008
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Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 112			
Percent of Total: 49.78			
83-Work practice or	M-Mechanical	M-Maint / Repair	50-316/1998008
84-Non-conserv. dec	H-Health Physics	H-Health Physics	50-316/1998008
83-Work practice or	G-Engineering	G-Design	50-316/1998009
83-Work practice or	G-Engineering	G-Design	50-316/1998009
83-Work practice or	G-Engineering	G-Design	50-316/1998009
83-Work practice or	G-Engineering	A-Administrative	50-316/1998009
83-Work practice or	G-Engineering	G-Design	50-316/1998009
83-Work practice or	G-Engineering	A-Administrative	50-316/1998009
83-Work practice or	G-Engineering	G-Design	50-316/1998009
81-Work Package Qua	G-Engineering	G-Design	50-316/1998009
83-Work practice or	G-Engineering	G-Design	50-316/1998009
81-Work Package Qua	G-Engineering	G-Design	50-316/1998009
81-Work Package Qua	G-Engineering	G-Design	50-316/1998009
81-Work Package Qua	G-Engineering	G-Design	50-316/1998009
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-316/1998012
83-Work practice or	G-Engineering	O-Control Room Ops	50-316/1998012
83-Work practice or	G-Engineering	O-Control Room Ops	50-316/1998012
81-Work Package Qua	G-Engineering	O-Control Room Ops	50-316/1998012
81-Work Package Qua	G-Engineering	G-Design	50-316/1998012
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-316/1998012
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-316/1998012
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-316/1998012
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998012
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998012
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998012
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998012
93-Awareness or att	P-Procedure Writers	P-Procedure Dev	50-316/1998012
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-316/1998015
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-316/1998015
83-Work practice or	M-Mechanical	M-Maint / Repair	50-316/1998015
85-Team interaction	W-Work Control / Sc	M-Maint / Repair	50-316/1998015
85-Team interaction	M-Mechanical	M-Maint / Repair	50-316/1998015
81-Work Package Qua	G-Engineering	G-Design	50-316/1998015
93-Awareness or att	O-Operations	O-Control Room Ops	50-316/1998016
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-316/1998016
88-Tag outs LTA	W-Work Control / Sc	M-Maint / Repair	50-316/1998016
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-316/1998016
93-Awareness or att	I-Instrumentation &	A-Administrative	50-316/1998016
92-Self check LTA	M-Mechanical	M-Maint / Repair	50-316/1998016
84-Non-conserv. dec	O-Operations	T-Testing	50-316/1998016
88-Tag outs LTA	I-Instrumentation &	M-Maint / Repair	50-316/1998016
88-Tag outs LTA	M-Mechanical	M-Maint / Repair	50-316/1998016
88-Tag outs LTA	E-Electrical	M-Maint / Repair	50-316/1998016

Work Factors ER
 Number of items: 3
 Percent of total: 1.33
 83-Work practice or T-Training Z-Other 50-316/1998305
 81-Work Package Qua T-Training Z-Other 50-316/1998305
 93-Awareness or att T-Training Z-Other 50-316/1998305

Work Factors LER
 Number of items: 2
 Percent of total: .89
 Page: 6 Date:01/13/1999

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Details	Department	Work Type	Docket/Report
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Work Factors LER

Number of items: 2

Percent of Total: .89

83-Work practice or M-Mechanical

M-Maint / Repair

50-316/199800801

83-Work practice or M-Mechanical

S-Surveillance

50-316/199800801

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