

1998 Human Factors Information System Report for Plant Docket 302

Combined IR/ER/LER Report
Docket: 50-302 CRYSTAL RIVER 3

Total Number of Hits in Date Range: 399
From 01/01/1998 to 12/31/1998
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 13			
Percent of total: 3.26			
54-No communication	O-Operations	A-Administrative	50-302/1997020
	O-Operations		
53-Communication LT	O-Operations	S-Surveillance	50-302/1998001
	O-Operations		
53-Communication LT	I-Instrumentation &	S-Surveillance	50-302/1998001
	I-Instrumentation &		
53-Communication LT	O-Operations	O-Control Room Ops	50-302/1998001
	O-Operations		
53-Communication LT	O-Operations	O-Control Room Ops	50-302/1998001
	O-Operations		
53-Communication LT	O-Operations	O-Control Room Ops	50-302/1998001
	O-Operations		
53-Communication LT	G-Engineering	G-Design	50-302/1998001
	G-Engineering		
54-No communication	O-Operations	Z-Other	50-302/1998003
	G-Engineering		
53-Communication LT	D-Emergency Plannin	D-Emergency Drill	50-302/1998003
	O-Operations		
53-Communication LT	O-Operations	A-Administrative	50-302/1998004
	O-Operations		
54-No communication	Z-Other	A-Administrative	50-302/1998004
	Z-Other		
53-Communication LT	O-Operations	O-Control Room Ops	50-302/1998006
	O-Operations		
53-Communication LT	D-Emergency Plannin	D-Emergency Drill	50-302/1998006
	D-Emergency Plannin		

Communications ER
Number of items: 0
Percent of total: 0

Communications LER			
Number of items: 3			
Percent of total: .75			
54-No communication	G-Engineering	G-Design	50-302/199800200
	G-Engineering		
53-Communication LT	G-Engineering	G-Design	50-302/199800500
	G-Engineering		
53-Communication LT	G-Engineering	G-Design	50-302/199800500
	G-Engineering		

Human-System Interface and Environm IR

Number of items: 17
Percent of total: 4.26

61-Labels LTA	O-Operations	Z-Other	50-302/1997012
64-Placement or loc	O-Operations	Z-Other	50-302/1997012
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1997020
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1997020

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Details	Department	Work Type	Docket/Report
Human-System Interface and Environm IR			
Number of items: 17			
Percent of Total: 4.26			
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1997020
63-Size, shape or c	I-Instrumentation &	T-Testing	50-302/1997020

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72-Lighting LTA	O-Operations	B-Bal of Plant Ops	50-302/1997020
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1997020
68-Too much informa	O-Operations	O-Control Room Ops	50-302/1998001
76-Postings LTA	Z-Other	A-Administrative	50-302/1998001
61-Labels LTA	O-Operations	O-Control Room Ops	50-302/1998003
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1998003
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1998003
76-Postings LTA	H-Health Physics	H-Health Physics	50-302/1998003
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1998006
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-302/1998007
72-Lighting LTA	O-Operations	B-Bal of Plant Ops	50-302/1998007

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: 53

Percent of total: 13.28

40-Individual Corre	G-Engineering	P-Procedure Dev	50-302/1997012
40-Individual Corre	G-Engineering	P-Procedure Dev	50-302/1997012
32-Supervision / co	O-Operations	A-Administrative	50-302/1997019
48-Audits or proble	M-Mechanical	Z-Other	50-302/1997019
47-Root Cause LTA	G-Engineering	Z-Other	50-302/1997019
40-Individual Corre	G-Engineering	Z-Other	50-302/1997019
44-Corrective Actio	G-Engineering	Z-Other	50-302/1997019
32-Supervision / co	O-Operations	A-Administrative	50-302/1997020
40-Individual Corre	Z-Other	B-Bal of Plant Ops	50-302/1997020
44-Corrective Actio	G-Engineering	Z-Other	50-302/1997020
40-Individual Corre	H-Health Physics	H-Health Physics	50-302/1997020
40-Individual Corre	O-Operations	Z-Other	50-302/1998001
34-Perceived pressu	O-Operations	B-Bal of Plant Ops	50-302/1998001
34-Perceived pressu	O-Operations	O-Control Room Ops	50-302/1998001
32-Supervision / co	O-Operations	O-Control Room Ops	50-302/1998001
44-Corrective Actio	O-Operations	Z-Other	50-302/1998001
44-Corrective Actio	O-Operations	Z-Other	50-302/1998001
32-Supervision / co	O-Operations	Z-Other	50-302/1998001
40-Individual Corre	Z-Other	Z-Other	50-302/1998001
41-Action not begun	G-Engineering	Z-Other	50-302/1998001
40-Individual Corre	G-Engineering	Z-Other	50-302/1998001
33-Management expec	G-Engineering	O-Control Room Ops	50-302/1998001
40-Individual Corre	O-Operations	Z-Other	50-302/1998003
41-Action not begun	O-Operations	Z-Other	50-302/1998003
40-Individual Corre	O-Operations	Z-Other	50-302/1998003

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Details	Department	Work Type	Docket/Report
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Management and Supervision IR

Number of items: 53

Percent of Total: 13.28

41-Action not begun	O-Operations	Z-Other	50-302/1998003
47-Root Cause LTA	M-Mechanical	Z-Other	50-302/1998003
40-Individual Corre	I-Instrumentation &	Z-Other	50-302/1998003
41-Action not begun	G-Engineering	Z-Other	50-302/1998003
32-Supervision / co	O-Operations	A-Administrative	50-302/1998004
40-Individual Corre	O-Operations	Z-Other	50-302/1998004
33-Management expec	O-Operations	A-Administrative	50-302/1998004
41-Action not begun	O-Operations	A-Administrative	50-302/1998004
32-Supervision / co	O-Operations	S-Surveillance	50-302/1998004
33-Management expec	O-Operations	B-Bal of Plant Ops	50-302/1998004
44-Corrective Actio	O-Operations	Z-Other	50-302/1998004
40-Individual Corre	G-Engineering	Z-Other	50-302/1998004
40-Individual Corre	G-Engineering	A-Administrative	50-302/1998004
41-Action not begun	G-Engineering	Z-Other	50-302/1998005
33-Management expec	H-Health Physics	H-Health Physics	50-302/1998006
44-Corrective Actio	O-Operations	Z-Other	50-302/1998006
40-Individual Corre	G-Engineering	A-Administrative	50-302/1998006
44-Corrective Actio	G-Engineering	Z-Other	50-302/1998006
40-Individual Corre	H-Health Physics	Z-Other	50-302/1998006
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-302/1998007

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32-Supervision / co	W-Work Control / Sc	M-Maint / Repair	50-302/1998007
40-Individual Corre	O-Operations	Z-Other	50-302/1998007
40-Individual Corre	O-Operations	Z-Other	50-302/1998007
36-Scheduling and p	W-Work Control / Sc	T-Testing	50-302/1998007
44-Corrective Actio	O-Operations	A-Administrative	50-302/1998007
40-Individual Corre	P-Procedure Writers	Z-Other	50-302/1998007
40-Individual Corre	G-Engineering	Z-Other	50-302/1998007
32-Supervision / co	H-Health Physics	Z-Other	50-302/1998007

Management and Supervision ER

Number of items: 0
Percent of total: 0

Management and Supervision LER

Number of items: 1
Percent of total: .25

36-Scheduling and p	M-Mechanical	T-Testing	50-302/199800701
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Organizational Issues IR

Number of items: 3
Percent of total: .75

27-Excessive hours	O-Operations	O-Control Room Ops	50-302/1997020
27-Excessive hours	O-Operations	O-Control Room Ops	50-302/1997020
22-Poor Task Alloca	O-Operations	O-Control Room Ops	50-302/1998004

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: 88
Percent of total: 22.06

11-No procedure / r	G-Engineering	G-Design	50-302/1997012
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Procedures and Reference Document IR

Number of items: 88
Percent of Total: 22.06

13-Procedure has hu	G-Engineering	G-Design	50-302/1997012
12-Procedure techni	G-Engineering	G-Design	50-302/1997012
12-Procedure techni	G-Engineering	G-Design	50-302/1997012
11-No procedure / r	G-Engineering	G-Design	50-302/1997012
11-No procedure / r	G-Engineering	G-Design	50-302/1997012
12-Procedure techni	G-Engineering	G-Design	50-302/1997012
11-No procedure / r	G-Engineering	G-Design	50-302/1997012
12-Procedure techni	G-Engineering	G-Design	50-302/1997012
12-Procedure techni	G-Engineering	G-Design	50-302/1997012
11-No procedure / r	G-Engineering	G-Design	50-302/1997018
11-No procedure / r	G-Engineering	G-Design	50-302/1997018
12-Procedure techni	W-Work Control / Sc	F-Modification	50-302/1997019
12-Procedure techni	G-Engineering	G-Design	50-302/1997019
12-Procedure techni	G-Engineering	G-Design	50-302/1997019
12-Procedure techni	G-Engineering	G-Design	50-302/1997019
12-Procedure techni	G-Engineering	G-Design	50-302/1997019
12-Procedure techni	Z-Other	Z-Other	50-302/1997019
11-No procedure / r	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	G-Engineering	G-Design	50-302/1997020
11-No procedure / r	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	G-Engineering	G-Design	50-302/1997020
11-No procedure / r	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	G-Engineering	G-Design	50-302/1997020
11-No procedure / r	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	W-Work Control / Sc	T-Testing	50-302/1997020
11-No procedure / r	G-Engineering	G-Design	50-302/1997020
11-No procedure / r	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	H-Health Physics	A-Administrative	50-302/1997020
12-Procedure techni	H-Health Physics	A-Administrative	50-302/1997020

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12-Procedure techni	H-Health Physics	A-Administrative	50-302/1997020
12-Procedure techni	G-Engineering	G-Design	50-302/1997020
12-Procedure techni	G-Engineering	G-Design	50-302/1997020
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998001
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-302/1998001
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998001
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-302/1998001
12-Procedure techni	G-Engineering	G-Design	50-302/1998001
13-Procedure has hu	Z-Other	P-Procedure Dev	50-302/1998001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998001
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998001
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-302/1998001
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998001
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998001
13-Procedure has hu	G-Engineering	G-Design	50-302/1998001
14-Document develop	G-Engineering	F-Modification	50-302/1998001

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Details	Department	Work Type	Docket/Report
Procedures and Reference Document IR			
Number of items: 88			
Percent of Total: 22.06			
12-Procedure techni	G-Engineering	G-Design	50-302/1998001
12-Procedure techni	G-Engineering	G-Design	50-302/1998001
12-Procedure techni	G-Engineering	G-Design	50-302/1998001
14-Document develop	G-Engineering	P-Procedure Dev	50-302/1998001
14-Document develop	G-Engineering	P-Procedure Dev	50-302/1998001
14-Document develop	G-Engineering	P-Procedure Dev	50-302/1998001
12-Procedure techni	G-Engineering	G-Design	50-302/1998003
11-No procedure / r	G-Engineering	G-Design	50-302/1998003
12-Procedure techni	G-Engineering	G-Design	50-302/1998003
13-Procedure has hu	G-Engineering	G-Design	50-302/1998003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998004
11-No procedure / r	O-Operations	P-Procedure Dev	50-302/1998004
14-Document develop	P-Procedure Writers	F-Modification	50-302/1998004
13-Procedure has hu	O-Operations	A-Administrative	50-302/1998004
11-No procedure / r	O-Operations	A-Administrative	50-302/1998004
11-No procedure / r	O-Operations	A-Administrative	50-302/1998004
13-Procedure has hu	O-Operations	A-Administrative	50-302/1998004
13-Procedure has hu	O-Operations	A-Administrative	50-302/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998004
12-Procedure techni	G-Engineering	G-Design	50-302/1998005
12-Procedure techni	G-Engineering	G-Design	50-302/1998005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998006
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-302/1998006
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-302/1998006
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-302/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998006
13-Procedure has hu	G-Engineering	G-Design	50-302/1998006
12-Procedure techni	G-Engineering	G-Design	50-302/1998006
13-Procedure has hu	G-Engineering	F-Modification	50-302/1998006
12-Procedure techni	G-Engineering	P-Procedure Dev	50-302/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-302/1998007
13-Procedure has hu	G-Engineering	G-Design	50-302/1998007

Procedures and Reference Document ER

Number of items: 2
Percent of total: .5

13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998301
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-302/1998301

Procedures and Reference Document LER

Number of items: 1
Percent of total: .25

11-No procedure / r	G-Engineering	V-Troubleshooting	50-302/199800800
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Training IR

Number of items: 19

Percent of total: 4.76

02-Training LTA	T-Training	Z-Other	50-302/1997012
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Details	Department	Work Type	Docket/Report
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Training IR

Number of items: 19

Percent of Total: 4.76

01-No Training	T-Training	B-Bal of Plant Ops	50-302/1997012
05-Individual knowl	W-Work Control / Sc	M-Maint / Repair	50-302/1997019
05-Individual knowl	Z-Other	M-Maint / Repair	50-302/1997019
05-Individual knowl	G-Engineering	O-Control Room Ops	50-302/1997020
02-Training LTA	T-Training	O-Control Room Ops	50-302/1997020
02-Training LTA	T-Training	H-Health Physics	50-302/1997020
05-Individual knowl	O-Operations	O-Control Room Ops	50-302/1998001
05-Individual knowl	O-Operations	O-Control Room Ops	50-302/1998001
02-Training LTA	T-Training	O-Control Room Ops	50-302/1998001
02-Training LTA	T-Training	A-Administrative	50-302/1998001
05-Individual knowl	E-Electrical	O-Control Room Ops	50-302/1998003
01-No Training	T-Training	D-Emergency Drill	50-302/1998003
05-Individual knowl	M-Mechanical	A-Administrative	50-302/1998003
05-Individual knowl	E-Electrical	A-Administrative	50-302/1998003
05-Individual knowl	O-Operations	O-Control Room Ops	50-302/1998004
05-Individual knowl	O-Operations	H-Health Physics	50-302/1998004
05-Individual knowl	O-Operations	O-Control Room Ops	50-302/1998006
02-Training LTA	T-Training	Z-Other	50-302/1998006

Training ER

Number of items: 9

Percent of total: 2.26

02-Training LTA	T-Training	Z-Other	50-302/1998301
05-Individual knowl	O-Operations	Z-Other	50-302/1998301
05-Individual knowl	O-Operations	Z-Other	50-302/1998301
02-Training LTA	T-Training	Z-Other	50-302/1998301
05-Individual knowl	O-Operations	Z-Other	50-302/1998301
03-Training process	T-Training	Z-Other	50-302/1998301
03-Training process	T-Training	Z-Other	50-302/1998301
06-Simulator fideli	T-Training	Z-Other	50-302/1998301
06-Simulator fideli	T-Training	Z-Other	50-302/1998301

Training LER

Number of items: 7

Percent of total: 1.75

01-No Training	I-Instrumentation &	P-Procedure Dev	50-302/199800600
02-Training LTA	W-Work Control / Sc	M-Maint / Repair	50-302/199800700
02-Training LTA	G-Engineering	M-Maint / Repair	50-302/199800700
02-Training LTA	W-Work Control / Sc	A-Administrative	50-302/199800701
02-Training LTA	G-Engineering	A-Administrative	50-302/199800701
02-Training LTA	I-Instrumentation &	V-Troubleshooting	50-302/199800900
02-Training LTA	I-Instrumentation &	V-Troubleshooting	50-302/199800900

Work Factors IR

Number of items: 169

Percent of total: 42.36

81-Work Package Qua	G-Engineering	P-Procedure Dev	50-302/1997012
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-302/1997012
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-302/1997012
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-302/1997012
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Work Factors IR

Number of items: 169

Percent of Total: 42.36

81-Work Package Qua	G-Engineering	P-Procedure Dev	50-302/1997012
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-302/1997012
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-302/1997012
83-Work practice or	O-Operations	Z-Other	50-302/1997012
83-Work practice or	G-Engineering	G-Design	50-302/1997012
83-Work practice or	G-Engineering	G-Design	50-302/1997012
83-Work practice or	G-Engineering	G-Design	50-302/1997012
83-Work practice or	G-Engineering	G-Design	50-302/1997012
83-Work practice or	G-Engineering	G-Design	50-302/1997012
83-Work practice or	O-Operations	M-Maint / Repair	50-302/1997019
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-302/1997019
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-302/1997019
83-Work practice or	O-Operations	A-Administrative	50-302/1997019
93-Awareness or att	O-Operations	A-Administrative	50-302/1997019
93-Awareness or att	O-Operations	A-Administrative	50-302/1997019
83-Work practice or	G-Engineering	G-Design	50-302/1997019
81-Work Package Qua	G-Engineering	G-Design	50-302/1997019
81-Work Package Qua	G-Engineering	G-Design	50-302/1997019
83-Work practice or	G-Engineering	G-Design	50-302/1997019
83-Work practice or	M-Mechanical	M-Maint / Repair	50-302/1997019
93-Awareness or att	G-Engineering	T-Testing	50-302/1997019
81-Work Package Qua	G-Engineering	G-Design	50-302/1997019
81-Work Package Qua	G-Engineering	G-Design	50-302/1997019
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-302/1997020
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-302/1997020
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1997020
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1997020
93-Awareness or att	O-Operations	A-Administrative	50-302/1997020
83-Work practice or	O-Operations	A-Administrative	50-302/1997020
83-Work practice or	O-Operations	A-Administrative	50-302/1997020
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-302/1997020
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-302/1997020
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-302/1997020
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-302/1997020
83-Work practice or	M-Mechanical	H-Health Physics	50-302/1997020
83-Work practice or	M-Mechanical	H-Health Physics	50-302/1997020
83-Work practice or	M-Mechanical	Z-Other	50-302/1997020
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-302/1997020
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-302/1997020
83-Work practice or	O-Operations	A-Administrative	50-302/1997020
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1997020
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-302/1997020
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-302/1997020
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-302/1997020
93-Awareness or att	O-Operations	O-Control Room Ops	50-302/1997020
89-Housekeeping LTA	O-Operations	B-Bal of Plant Ops	50-302/1997020
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-302/1997020
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-302/1997020
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-302/1997020

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Combined IR/ER/LER Report
Docket: 50-302 CRYSTAL RIVER 3

Total Number of Hits in Date Range: 399

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: 169

Percent of Total: 42.36

89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-302/1997020
92-Self check LTA	O-Operations	O-Control Room Ops	50-302/1997020
83-Work practice or	O-Operations	A-Administrative	50-302/1997020
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-302/1997020
93-Awareness or att	M-Mechanical	S-Surveillance	50-302/1997020
83-Work practice or	H-Health Physics	H-Health Physics	50-302/1997020
83-Work practice or	H-Health Physics	A-Administrative	50-302/1997020
91-Verification / p	H-Health Physics	A-Administrative	50-302/1997020
83-Work practice or	H-Health Physics	H-Health Physics	50-302/1997020
83-Work practice or	M-Mechanical	H-Health Physics	50-302/1997020
83-Work practice or	M-Mechanical	H-Health Physics	50-302/1997020
83-Work practice or	M-Mechanical	H-Health Physics	50-302/1997020
83-Work practice or	M-Mechanical	H-Health Physics	50-302/1997020
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1998001
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1998001
93-Awareness or att	O-Operations	A-Administrative	50-302/1998001
93-Awareness or att	O-Operations	A-Administrative	50-302/1998001
93-Awareness or att	O-Operations	A-Administrative	50-302/1998001

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88-Tag outs LTA	E-Electrical	F-Modification	50-302/1998001
88-Tag outs LTA	E-Electrical	F-Modification	50-302/1998001
91-Verification / p	O-Operations	O-Control Room Ops	50-302/1998001
83-Work practice or	O-Operations	O-Control Room Ops	50-302/1998001
86-Work untimely	O-Operations	O-Control Room Ops	50-302/1998001
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-302/1998001
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-302/1998001
87-Non-conservative	O-Operations	V-Troubleshooting	50-302/1998001
93-Awareness or att	O-Operations	O-Control Room Ops	50-302/1998001
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-302/1998001
93-Awareness or att	O-Operations	O-Control Room Ops	50-302/1998001
83-Work practice or	O-Operations	O-Control Room Ops	50-302/1998001
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-302/1998001
93-Awareness or att	G-Engineering	G-Design	50-302/1998001
86-Work untimely	Z-Other	A-Administrative	50-302/1998001
83-Work practice or	G-Engineering	G-Design	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	P-Procedure Dev	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
84-Non-conserv. dec	G-Engineering	O-Control Room Ops	50-302/1998001
83-Work practice or	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	F-Modification	50-302/1998001
93-Awareness or att	G-Engineering	P-Procedure Dev	50-302/1998001
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-302/1998003
91-Verification / p	O-Operations	M-Maint / Repair	50-302/1998003
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-302/1998003
83-Work practice or	O-Operations	A-Administrative	50-302/1998003

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Date:01/13/1999

Combined IR/ER/LER Report

Docket: 50-302 CRYSTAL RIVER 3

Total Number of Hits in Date Range: 399

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

2x National Average: 255

Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 169			
Percent of Total: 42.36			
93-Awareness or att	O-Operations	O-Control Room Ops	50-302/1998003
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-302/1998003
84-Non-conserv. dec	O-Operations	Z-Other	50-302/1998003
93-Awareness or att	O-Operations	Z-Other	50-302/1998003
83-Work practice or	M-Mechanical	M-Maint / Repair	50-302/1998003
83-Work practice or	M-Mechanical	M-Maint / Repair	50-302/1998003
84-Non-conserv. dec	G-Engineering	V-Troubleshooting	50-302/1998003
93-Awareness or att	G-Engineering	O-Control Room Ops	50-302/1998003
93-Awareness or att	G-Engineering	G-Design	50-302/1998003
93-Awareness or att	G-Engineering	A-Administrative	50-302/1998003
93-Awareness or att	O-Operations	O-Control Room Ops	50-302/1998003
89-Housekeeping LTA	H-Health Physics	K-Housekeeping	50-302/1998003
83-Work practice or	C-Chemistry	B-Bal of Plant Ops	50-302/1998003
93-Awareness or att	C-Chemistry	B-Bal of Plant Ops	50-302/1998003
93-Awareness or att	O-Operations	S-Surveillance	50-302/1998004
93-Awareness or att	O-Operations	S-Surveillance	50-302/1998004
93-Awareness or att	O-Operations	S-Surveillance	50-302/1998004
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-302/1998004
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-302/1998004
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-302/1998004
94-Log-keeping or r	O-Operations	M-Maint / Repair	50-302/1998004
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1998004
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-302/1998004
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1998004
92-Self check LTA	O-Operations	O-Control Room Ops	50-302/1998004
93-Awareness or att	O-Operations	O-Control Room Ops	50-302/1998004
83-Work practice or	O-Operations	S-Surveillance	50-302/1998004
84-Non-conserv. dec	O-Operations	S-Surveillance	50-302/1998004
84-Non-conserv. dec	O-Operations	S-Surveillance	50-302/1998004
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-302/1998004
91-Verification / p	G-Engineering	F-Modification	50-302/1998004
93-Awareness or att	G-Engineering	A-Administrative	50-302/1998004
81-Work Package Qua	G-Engineering	G-Design	50-302/1998005
81-Work Package Qua	G-Engineering	G-Design	50-302/1998005
93-Awareness or att	G-Engineering	A-Administrative	50-302/1998005

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83-Work practice or	G-Engineering	G-Design	50-302/1998005
83-Work practice or	O-Operations	H-Health Physics	50-302/1998006
94-Log-keeping or r	O-Operations	A-Administrative	50-302/1998006
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-302/1998006
94-Log-keeping or r	O-Operations	B-Bal of Plant Ops	50-302/1998006
83-Work practice or	O-Operations	V-Troubleshooting	50-302/1998006
83-Work practice or	O-Operations	V-Troubleshooting	50-302/1998006
84-Non-conserv. dec	O-Operations	Z-Other	50-302/1998006
85-Team interaction	O-Operations	V-Troubleshooting	50-302/1998006
86-Work untimely	O-Operations	O-Control Room Ops	50-302/1998006
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-302/1998006
83-Work practice or	O-Operations	A-Administrative	50-302/1998007
83-Work practice or	O-Operations	A-Administrative	50-302/1998007
83-Work practice or	O-Operations	A-Administrative	50-302/1998007
83-Work practice or	O-Operations	A-Administrative	50-302/1998007

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Combined IR/ER/LER Report
Docket: 50-302 CRYSTAL RIVER 3Total Number of Hits in Date Range: 399
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: 169
Percent of Total: 42.36

83-Work practice or	O-Operations	M-Maint / Repair	50-302/1998007
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-302/1998007
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-302/1998007
93-Awareness or att	O-Operations	M-Maint / Repair	50-302/1998007
93-Awareness or att	O-Operations	M-Maint / Repair	50-302/1998007
92-Self check LTA	O-Operations	M-Maint / Repair	50-302/1998007
83-Work practice or	O-Operations	M-Maint / Repair	50-302/1998007
91-Verification / p	O-Operations	M-Maint / Repair	50-302/1998007
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-302/1998007
82-Briefing, prep.	W-Work Control / Sc	M-Maint / Repair	50-302/1998007
93-Awareness or att	O-Operations	S-Surveillance	50-302/1998007
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-302/1998007
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-302/1998007
93-Awareness or att	P-Procedure Writers	P-Procedure Dev	50-302/1998007
91-Verification / p	P-Procedure Writers	P-Procedure Dev	50-302/1998007

Work Factors ER

Number of items: 7
Percent of total: 1.75

93-Awareness or att	O-Operations	Z-Other	50-302/1998301
81-Work Package Qua	T-Training	Z-Other	50-302/1998301
83-Work practice or	T-Training	Z-Other	50-302/1998301
83-Work practice or	T-Training	Z-Other	50-302/1998301
83-Work practice or	T-Training	Z-Other	50-302/1998301
93-Awareness or att	T-Training	Z-Other	50-302/1998301
93-Awareness or att	T-Training	Z-Other	50-302/1998301

Work Factors LER

Number of items: 7
Percent of total: 1.75

87-Non-conservative	G-Engineering	G-Design	50-302/199800200
87-Non-conservative	G-Engineering	P-Procedure Dev	50-302/199800200
84-Non-conserv. dec	G-Engineering	Z-Other	50-302/199800200
83-Work practice or	E-Electrical	M-Maint / Repair	50-302/199800300
91-Verification / p	E-Electrical	M-Maint / Repair	50-302/199800300
81-Work Package Qua	G-Engineering	G-Design	50-302/199800400
81-Work Package Qua	M-Mechanical	T-Testing	50-302/199800701

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[End of File for Plant Docket 302 (1998)]