

1997 Human Factors Information System Report for Plant Docket 382

Combined IR/ER/LER Report
Docket: 50-382 WATERFORD 3

Total Number of Hits in Date Range: 191
From 01/01/1997 to 12/31/1997
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 2			
Percent of total: 1.05			
54-No communication	W-Work Control / Sc	M-Maint / Repair	50-382/1997011
	W-Work Control / Sc		
53-Communication LT	O-Operations	Z-Other	50-382/1997017
	O-Operations		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 1			
Percent of total: .52			
53-Communication LT	O-Operations	O-Control Room Ops	50-382/199702200
Human-System Interface and Environm IR			
Number of items: 0			
Percent of total: 0			
Human-System Interface and Environm ER			
Number of items: 0			
Percent of total: 0			
Human-System Interface and Environm LER			
Number of items: 4			
Percent of total: 2.09			
62-Information orga	O-Operations	R-Refueling	50-382/199701800
75-Work area LTA	O-Operations	R-Refueling	50-382/199701800
68-Too much informa	O-Operations	O-Control Room Ops	50-382/199702701
63-Size, shape or c	O-Operations	O-Control Room Ops	50-382/199702701
Management and Supervision IR			
Number of items: 11			
Percent of total: 5.76			
43-Operating Experi	O-Operations	U-Unknown	50-382/1996023
44-Corrective Actio	G-Engineering	G-Design	50-382/1997002
33-Management expec	G-Engineering	G-Design	50-382/1997002
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-382/1997004
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-382/1997005
32-Supervision / co	O-Operations	Z-Other	50-382/1997017
40-Individual Corre	G-Engineering	G-Design	50-382/1997021
44-Corrective Actio	G-Engineering	Z-Other	50-382/1997021
44-Corrective Actio	G-Engineering	Z-Other	50-382/1997021
40-Individual Corre	G-Engineering	Z-Other	50-382/1997021
40-Individual Corre	G-Engineering	Z-Other	50-382/1997021
Management and Supervision ER			
Number of items: 0			
Percent of total: 0			
Management and Supervision LER			
Number of items: 6			
Percent of total: 3.14			
32-Supervision / co	G-Engineering	T-Testing	50-382/199701000
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Management and Supervision LER

Number of items: 6

Percent of Total: 3.14

36-Scheduling and p	G-Engineering	T-Testing	50-382/199701000
32-Supervision / co	U-Unknown	T-Testing	50-382/199701000
36-Scheduling and p	U-Unknown	T-Testing	50-382/199701000
34-Perceived pressu	O-Operations	O-Control Room Ops	50-382/199702701
36-Scheduling and p	O-Operations	O-Control Room Ops	50-382/199702701

Organizational Issues IR

Number of items: 3

Percent of total: 1.57

27-Excessive hours	O-Operations	O-Control Room Ops	50-382/1997004
26-OT controls / sc	O-Operations	O-Control Room Ops	50-382/1997004
27-Excessive hours	M-Mechanical	M-Maint / Repair	50-382/1997004

Organizational Issues ER

Number of items: 0

Percent of total: 0

Organizational Issues LER

Number of items: 1

Percent of total: .52

22-Poor Task Alloca	O-Operations	O-Control Room Ops	50-382/199702701
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Procedures and Reference Document IR

Number of items: 30

Percent of total: 15.71

12-Procedure techni	G-Engineering	G-Design	50-382/1199701
12-Procedure techni	I-Instrumentation &	U-Unknown	50-382/1996014
12-Procedure techni	I-Instrumentation &	U-Unknown	50-382/1996014
14-Document develop	G-Engineering	U-Unknown	50-382/1996014
12-Procedure techni	G-Engineering	G-Design	50-382/1997001
12-Procedure techni	G-Engineering	G-Design	50-382/1997002
14-Document develop	M-Mechanical	U-Unknown	50-382/1997003
12-Procedure techni	M-Mechanical	U-Unknown	50-382/1997003
12-Procedure techni	M-Mechanical	M-Maint / Repair	50-382/1997005
12-Procedure techni	G-Engineering	G-Design	50-382/1997008
12-Procedure techni	G-Engineering	G-Design	50-382/1997008
11-No procedure / r	G-Engineering	G-Design	50-382/1997008
12-Procedure techni	G-Engineering	G-Design	50-382/1997008
12-Procedure techni	G-Engineering	G-Design	50-382/1997008
12-Procedure techni	G-Engineering	G-Design	50-382/1997011
12-Procedure techni	G-Engineering	G-Design	50-382/1997014
12-Procedure techni	G-Engineering	G-Design	50-382/1997014
12-Procedure techni	G-Engineering	G-Design	50-382/1997014
12-Procedure techni	G-Engineering	G-Design	50-382/1997014
12-Procedure techni	G-Engineering	G-Design	50-382/1997014
13-Procedure has hu	G-Engineering	G-Design	50-382/1997014
13-Procedure has hu	G-Engineering	G-Design	50-382/1997016
12-Procedure techni	G-Engineering	G-Design	50-382/1997017
12-Procedure techni	G-Engineering	G-Design	50-382/1997021
12-Procedure techni	G-Engineering	G-Design	50-382/1997021

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

Number of items: 30

Percent of Total: 15.71

11-No procedure / r	G-Engineering	F-Modification	50-382/1997021
12-Procedure techni	G-Engineering	G-Design	50-382/1997021
12-Procedure techni	G-Engineering	G-Design	50-382/1997021
12-Procedure techni	G-Engineering	G-Design	50-382/1997021
12-Procedure techni	G-Engineering	G-Design	50-382/1997022

Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

Procedures and Reference Document LER

Number of items: 16

Percent of total: 8.38

12-Procedure techni	I-Instrumentation &	T-Testing	50-382/199700900
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13-Procedure has hu	G-Engineering	T-Testing	50-382/199701000
13-Procedure has hu	U-Unknown	T-Testing	50-382/199701000
13-Procedure has hu	O-Operations	M-Maint / Repair	50-382/199701200
13-Procedure has hu	O-Operations	O-Control Room Ops	50-382/199701200
13-Procedure has hu	O-Operations	A-Administrative	50-382/199701300
13-Procedure has hu	O-Operations	T-Testing	50-382/199701300
13-Procedure has hu	O-Operations	R-Refueling	50-382/199701800
13-Procedure has hu	O-Operations	O-Control Room Ops	50-382/199702100
13-Procedure has hu	G-Engineering	T-Testing	50-382/199702300
13-Procedure has hu	O-Operations	O-Control Room Ops	50-382/199702701
13-Procedure has hu	O-Operations	O-Control Room Ops	50-382/199702701
13-Procedure has hu	O-Operations	O-Control Room Ops	50-382/199702701
12-Procedure techni	O-Operations	O-Control Room Ops	50-382/199702701
13-Procedure has hu	G-Engineering	G-Design	50-382/199703300
11-No procedure / r	G-Engineering	T-Testing	50-382/199703400

Training IR

Number of items: 8

Percent of total: 4.19

02-Training LTA	T-Training	O-Control Room Ops	50-382/1997001
02-Training LTA	T-Training	R-Refueling	50-382/1997008
05-Individual knowl	O-Operations	O-Control Room Ops	50-382/1997008
05-Individual knowl	O-Operations	O-Control Room Ops	50-382/1997008
02-Training LTA	T-Training	M-Maint / Repair	50-382/1997016
03-Training process	T-Training	Q-Fire Protection	50-382/1997021
05-Individual knowl	G-Engineering	G-Design	50-382/1997021
02-Training LTA	T-Training	M-Maint / Repair	50-382/1997021

Training ER

Number of items: 0

Percent of total: 0

Training LER

Number of items: 1

Percent of total: .52

02-Training LTA	O-Operations	R-Refueling	50-382/199701800
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Work Factors IR

Number of items: 95

Percent of total: 49.74

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Work Factors IR

Number of items: 95

Percent of Total: 49.74

86-Work untimely	G-Engineering	G-Design	50-382/1199701
81-Work Package Qua	G-Engineering	G-Design	50-382/1199701
87-Non-conservati	Z-Other	Z-Other	50-382/1199701
83-Work practice or	G-Engineering	Q-Fire Protection	50-382/1199701
84-Non-conserv. dec	G-Engineering	U-Unknown	50-382/1996014
81-Work Package Qua	M-Mechanical	U-Unknown	50-382/1996014
83-Work practice or	M-Mechanical	U-Unknown	50-382/1996014
83-Work practice or	M-Mechanical	U-Unknown	50-382/1996014
92-Self check LTA	I-Instrumentation &	U-Unknown	50-382/1996014
91-Verification / p	G-Engineering	U-Unknown	50-382/1996023
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
83-Work practice or	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
81-Work Package Qua	G-Engineering	G-Design	50-382/1997001
83-Work practice or	G-Engineering	G-Design	50-382/1997001
84-Non-conserv. dec	O-Operations	A-Administrative	50-382/1997002
83-Work practice or	O-Operations	S-Surveillance	50-382/1997002
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-382/1997002
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-382/1997002
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-382/1997002
91-Verification / p	Q-QA/QC	M-Maint / Repair	50-382/1997002

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91-Verification / p	Q-QA/QC	M-Maint / Repair	50-382/1997002
83-Work practice or	H-Health Physics	H-Health Physics	50-382/1997002
83-Work practice or	H-Health Physics	H-Health Physics	50-382/1997002
87-Non-conservati	O-Operations	U-Unknown	50-382/1997003
83-Work practice or	O-Operations	O-Control Room Ops	50-382/1997004
93-Awareness or att	G-Engineering	S-Surveillance	50-382/1997004
93-Awareness or att	G-Engineering	S-Surveillance	50-382/1997004
91-Verification / p	O-Operations	S-Surveillance	50-382/1997004
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-382/1997004
81-Work Package Qua	G-Engineering	G-Design	50-382/1997004
81-Work Package Qua	G-Engineering	G-Design	50-382/1997004
83-Work practice or	M-Mechanical	M-Maint / Repair	50-382/1997005
83-Work practice or	M-Mechanical	M-Maint / Repair	50-382/1997005
83-Work practice or	Q-QA/QC	M-Maint / Repair	50-382/1997005
93-Awareness or att	M-Mechanical	F-Modification	50-382/1997005
93-Awareness or att	Q-QA/QC	F-Modification	50-382/1997005
83-Work practice or	M-Mechanical	M-Maint / Repair	50-382/1997007
92-Self check LTA	F-Fuel Handling	R-Refueling	50-382/1997008
91-Verification / p	F-Fuel Handling	R-Refueling	50-382/1997008
83-Work practice or	F-Fuel Handling	R-Refueling	50-382/1997008
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/1997008
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/1997008

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Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 95			
Percent of Total: 49.74			
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/1997008
93-Awareness or att	G-Engineering	O-Control Room Ops	50-382/1997008
81-Work Package Qua	G-Engineering	F-Modification	50-382/1997008
81-Work Package Qua	G-Engineering	F-Modification	50-382/1997008
81-Work Package Qua	G-Engineering	G-Design	50-382/1997008
83-Work practice or	H-Health Physics	H-Health Physics	50-382/1997008
83-Work practice or	H-Health Physics	H-Health Physics	50-382/1997008
83-Work practice or	H-Health Physics	H-Health Physics	50-382/1997008
83-Work practice or	H-Health Physics	H-Health Physics	50-382/1997008
83-Work practice or	H-Health Physics	H-Health Physics	50-382/1997008
92-Self check LTA	W-Work Control / Sc	M-Maint / Repair	50-382/1997011
91-Verification / p	W-Work Control / Sc	M-Maint / Repair	50-382/1997011
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-382/1997011
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/1997011
88-Tag outs LTA	W-Work Control / Sc	M-Maint / Repair	50-382/1997011
83-Work practice or	M-Mechanical	M-Maint / Repair	50-382/1997011
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-382/1997011
81-Work Package Qua	G-Engineering	F-Modification	50-382/1997011
82-Briefing, prep.	I-Instrumentation &	F-Modification	50-382/1997011
83-Work practice or	A-Administrative Su	F-Modification	50-382/1997011
86-Work untimely	G-Engineering	V-Troubleshooting	50-382/1997012
81-Work Package Qua	G-Engineering	G-Design	50-382/1997013
81-Work Package Qua	G-Engineering	G-Design	50-382/1997013
83-Work practice or	A-Administrative Su	A-Administrative	50-382/1997014
86-Work untimely	G-Engineering	G-Design	50-382/1997015
81-Work Package Qua	G-Engineering	G-Design	50-382/1997015
87-Non-conservati	Z-Other	Z-Other	50-382/1997015
83-Work practice or	G-Engineering	Q-Fire Protection	50-382/1997015
83-Work practice or	O-Operations	A-Administrative	50-382/1997016
83-Work practice or	G-Engineering	A-Administrative	50-382/1997016
83-Work practice or	G-Engineering	A-Administrative	50-382/1997016
83-Work practice or	O-Operations	A-Administrative	50-382/1997016
83-Work practice or	G-Engineering	A-Administrative	50-382/1997016
84-Non-conserv. dec	G-Engineering	A-Administrative	50-382/1997016
81-Work Package Qua	G-Engineering	G-Design	50-382/1997016
83-Work practice or	M-Mechanical	M-Maint / Repair	50-382/1997016
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-382/1997016
83-Work practice or	G-Engineering	G-Design	50-382/1997021
83-Work practice or	A-Administrative Su	A-Administrative	50-382/1997021
83-Work practice or	G-Engineering	G-Design	50-382/1997021
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-382/1997021
83-Work practice or	U-Unknown	K-Housekeeping	50-382/1997022
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-382/1997022
83-Work practice or	G-Engineering	G-Design	50-382/1997022
83-Work practice or	G-Engineering	G-Design	50-382/1997022
82-Briefing, prep.	O-Operations	D-Emergency Drill	50-382/1997022

Work Factors ER
 Number of items: 0
 Percent of total: 0

Work Factors LER
 Number of items: 13
 Percent of total: 6.81

87-Non-conservati G-Engineering T-Testing 50-382/199701000
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Work Factors LER			
Number of items: 13			
Percent of Total: 6.81			
87-Non-conservati	U-Unknown	T-Testing	50-382/199701000
87-Non-conservati	O-Operations	M-Maint / Repair	50-382/199701200
87-Non-conservati	O-Operations	O-Control Room Ops	50-382/199701200
87-Non-conservati	O-Operations	R-Refueling	50-382/199701800
87-Non-conservati	O-Operations	O-Control Room Ops	50-382/199702200
87-Non-conservati	G-Engineering	T-Testing	50-382/199702300
87-Non-conservati	O-Operations	O-Control Room Ops	50-382/199702701
87-Non-conservati	O-Operations	O-Control Room Ops	50-382/199702701
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/199702701
83-Work practice or	O-Operations	O-Control Room Ops	50-382/199702701
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/199702701
87-Non-conservati	G-Engineering	T-Testing	50-382/199703400
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