

# 1999 Human Factors Information System Report for Plant Docket 416

Combined IR/ER/LER Report  
Docket: 50-416 GRAND GULF 1

Total Number of Hits in Date Range: 176  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 8			
Percent of total: 4.55			
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-416/1998015
	D-Emergency Plannin		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-416/1998015
	D-Emergency Plannin		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-416/1998015
	D-Emergency Plannin		
55-Communication	Eq D-Emergency Plannin	D-Emergency Drill	50-416/1998015
	D-Emergency Plannin		
54-No communication	W-Work Control / Sc	M-Maint / Repair	50-416/1999002
	W-Work Control / Sc		
54-No communication	G-Engineering	V-Troubleshooting	50-416/1999005
	G-Engineering		
53-Communication	LT G-Engineering	M-Maint / Repair	50-416/1999005
	G-Engineering		
51-Misunderstood /	G-Engineering	F-Modification	50-416/1999008
	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: 4			
Percent of total: 2.27			
64-Placement or loc	D-Emergency Plannin	D-Emergency Drill	50-416/1998015
62-Information orga	T-Training	Z-Other	50-416/1999004
62-Information orga	O-Operations	O-Control Room Ops	50-416/1999004
76-Postings LTA	H-Health Physics	H-Health Physics	50-416/1999012

Human-System Interface and Environm ER  
Number of items: 0  
Percent of total: 0

Human-System Interface and Environm LER			
Number of items: 1			
Percent of total: .57			
64-Placement or loc	I-Instrumentation & S-Surveillance		50-416/199900200

Management and Supervision IR			
Number of items: 29			
Percent of total: 16.48			
41-Action not begun	G-Engineering	Z-Other	50-416/1998015
32-Supervision / co	D-Emergency Plannin	D-Emergency Drill	50-416/1998015
32-Supervision / co	D-Emergency Plannin	D-Emergency Drill	50-416/1998015

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Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 29			
Percent of Total: 16.48			
48-Audits or proble	D-Emergency Plannin	D-Emergency Drill	50-416/1998015
40-Individual Corre	D-Emergency Plannin	Z-Other	50-416/1998015



## Human Factors Information System Report

12-Procedure techni	G-Engineering	G-Design	50-416/1999002
11-No procedure / r	G-Engineering	G-Design	50-416/1999002
14-Document develop	G-Engineering	G-Design	50-416/1999002
12-Procedure techni	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	G-Engineering	G-Design	50-416/1999002
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999004
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-416/1999004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999005
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-416/1999005
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-416/1999008
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-416/1999008
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-416/1999008
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-416/1999008
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-416/1999008
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999008
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999008
12-Procedure techni	G-Engineering	G-Design	50-416/1999008
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-416/1999012
11-No procedure / r	G-Engineering	G-Design	50-416/1999012
13-Procedure has hu	D-Emergency Plannin	D-Emergency Drill	50-416/1999012
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-416/1999012
12-Procedure techni	G-Engineering	G-Design	50-416/1999016

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Combined IR/ER/LER Report  
Docket: 50-416 GRAND GULF 1Total Number of Hits in Date Range: 176  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Procedures and Reference Document IR			
Number of items: 52			
Percent of Total: 29.55			
13-Procedure has hu	G-Engineering	G-Design	50-416/1999016
Procedures and Reference Document ER			
Number of items: 0			
Percent of total: 0			
Procedures and Reference Document LER			
Number of items: 2			
Percent of total: 1.14			
12-Procedure techni	G-Engineering	M-Maint / Repair	50-416/199900400
11-No procedure / r	G-Engineering	F-Modification	50-416/199900401
Training IR			
Number of items: 9			
Percent of total: 5.11			
04-Task Qualificati	D-Emergency Plannin	D-Emergency Drill	50-416/1998015
04-Task Qualificati	D-Emergency Plannin	D-Emergency Drill	50-416/1998015
01-No Training	T-Training	B-Bal of Plant Ops	50-416/1999005
03-Training process	T-Training	Q-Fire Protection	50-416/1999006
05-Individual knowl	O-Operations	Z-Other	50-416/1999010
05-Individual knowl	O-Operations	Z-Other	50-416/1999010
05-Individual knowl	O-Operations	Z-Other	50-416/1999010
03-Training process	T-Training	Z-Other	50-416/1999010
01-No Training	T-Training	S-Surveillance	50-416/1999012
Training ER			
Number of items: 0			
Percent of total: 0			
Training LER			
Number of items: 1			
Percent of total: .57			
01-No Training	I-Instrumentation &	S-Surveillance	50-416/199900200

## Work Factors IR

Number of items: 63

Percent of total: 35.8

83-Work practice or	O-Operations	O-Control Room Ops	50-416/1998015
83-Work practice or	O-Operations	O-Control Room Ops	50-416/1998015
83-Work practice or	O-Operations	O-Control Room Ops	50-416/1998015
84-Non-conserv. dec	G-Engineering	T-Testing	50-416/1998015
83-Work practice or	G-Engineering	F-Modification	50-416/1998015
86-Work untimely	D-Emergency Plannin	D-Emergency Drill	50-416/1998015
83-Work practice or	O-Operations	O-Control Room Ops	50-416/1998017
83-Work practice or	O-Operations	O-Control Room Ops	50-416/1998017
83-Work practice or	O-Operations	A-Administrative	50-416/1998017
93-Awareness or att	U-Unknown	Q-Fire Protection	50-416/1998017
93-Awareness or att	U-Unknown	Q-Fire Protection	50-416/1998017
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-416/1998017
83-Work practice or	E-Electrical	M-Maint / Repair	50-416/1998017

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Details	Department	Work Type	Docket/Report
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## Work Factors IR

Number of items: 63

Percent of Total: 35.8

93-Awareness or att	M-Mechanical	M-Maint / Repair	50-416/1998017
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-416/1998017
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-416/1998017
83-Work practice or	E-Electrical	M-Maint / Repair	50-416/1998017
93-Awareness or att	B-Plant Management	O-Control Room Ops	50-416/1999002
93-Awareness or att	G-Engineering	G-Design	50-416/1999002
93-Awareness or att	G-Engineering	G-Design	50-416/1999002
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-416/1999002
84-Non-conserv. dec	G-Engineering	G-Design	50-416/1999002
93-Awareness or att	G-Engineering	A-Administrative	50-416/1999002
93-Awareness or att	G-Engineering	F-Modification	50-416/1999002
81-Work Package Qua	G-Engineering	G-Design	50-416/1999002
93-Awareness or att	O-Operations	O-Control Room Ops	50-416/1999004
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-416/1999004
93-Awareness or att	O-Operations	O-Control Room Ops	50-416/1999004
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-416/1999004
93-Awareness or att	G-Engineering	F-Modification	50-416/1999004
84-Non-conserv. dec	M-Mechanical	F-Modification	50-416/1999004
81-Work Package Qua	G-Engineering	F-Modification	50-416/1999004
81-Work Package Qua	G-Engineering	F-Modification	50-416/1999004
81-Work Package Qua	G-Engineering	F-Modification	50-416/1999004
81-Work Package Qua	G-Engineering	F-Modification	50-416/1999004
92-Self check LTA	O-Operations	S-Surveillance	50-416/1999005
83-Work practice or	O-Operations	S-Surveillance	50-416/1999005
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-416/1999005
89-Housekeeping LTA	E-Electrical	M-Maint / Repair	50-416/1999005
89-Housekeeping LTA	C-Chemistry	B-Bal of Plant Ops	50-416/1999005
94-Log-keeping or r	O-Operations	M-Maint / Repair	50-416/1999005
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-416/1999005
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-416/1999005
93-Awareness or att	M-Mechanical	A-Administrative	50-416/1999005
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-416/1999006
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-416/1999006
86-Work untimely	T-Training	A-Administrative	50-416/1999006
93-Awareness or att	E-Electrical	M-Maint / Repair	50-416/1999008
93-Awareness or att	E-Electrical	M-Maint / Repair	50-416/1999008
93-Awareness or att	E-Electrical	M-Maint / Repair	50-416/1999008
84-Non-conserv. dec	O-Operations	S-Surveillance	50-416/1999008
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-416/1999008
84-Non-conserv. dec	G-Engineering	F-Modification	50-416/1999008
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-416/1999008
83-Work practice or	W-Work Control / Sc	F-Modification	50-416/1999008
93-Awareness or att	O-Operations	H-Health Physics	50-416/1999008
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-416/1999012
88-Tag outs LTA	O-Operations	S-Surveillance	50-416/1999012
89-Housekeeping LTA	M-Mechanical	M-Maint / Repair	50-416/1999012
93-Awareness or att	H-Health Physics	H-Health Physics	50-416/1999012
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-416/1999016
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-416/1999016
84-Non-conserv. dec	G-Engineering	G-Design	50-416/1999016

## Work Factors ER

Number of items: 0  
Percent of total: 0

Work Factors LER  
Number of items: 4  
Percent of total: 2.27

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Details	Department	Work Type	Docket/Report
Work Factors LER			
Number of items: 4			
Percent of Total: 2.27			
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-416/199900400
84-Non-conserv. dec	G-Engineering	F-Modification	50-416/199900401
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-416/199900401
84-Non-conserv. dec	G-Engineering	F-Modification	50-416/199900401
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**[End of File for Plant Docket 416 (1999)]**

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