

# 1999 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: 132  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 11			
Percent of total: 8.33			
54-No communication	Z-Other	A-Administrative	50-382/1999007
	Z-Other		
53-Communication	Z-Other	Z-Other	50-382/1999008
	Z-Other		
53-Communication	Z-Other	Z-Other	50-382/1999008
	Z-Other		
53-Communication	O-Operations	D-Emergency Drill	50-382/1999009
	O-Operations		
53-Communication	O-Operations	D-Emergency Drill	50-382/1999009
	O-Operations		
53-Communication	O-Operations	D-Emergency Drill	50-382/1999009
	O-Operations		
53-Communication	O-Operations	D-Emergency Drill	50-382/1999009
	O-Operations		
53-Communication	Z-Other	Z-Other	50-382/1999013
	Z-Other		
53-Communication	Z-Other	Z-Other	50-382/1999013
	Z-Other		
53-Communication	Z-Other	Z-Other	50-382/1999013
	Z-Other		
53-Communication	O-Operations	O-Control Room Ops	50-382/1999023
	O-Operations		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 2			
Percent of total: 1.52			
53-Communication	O-Operations	O-Control Room Ops	50-382/199901500
	O-Operations		
53-Communication	O-Operations	O-Control Room Ops	50-382/199901500
	O-Operations		
Human-System Interface and Environm IR			
Number of items: 5			
Percent of total: 3.79			
72-Lighting	M-Mechanical	M-Maint / Repair	50-382/1999002
62-Information orga	O-Operations	O-Control Room Ops	50-382/1999002
72-Lighting	Z-Other	Z-Other	50-382/1999002
72-Lighting	O-Operations	B-Bal of Plant Ops	50-382/1999020
72-Lighting	O-Operations	B-Bal of Plant Ops	50-382/1999020
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: 3.03			
67-Function	O-Operations	B-Bal of Plant Ops	50-382/199900100
Page: 1	Date:03/17/2000		

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Human-System Interface and Environm LER			

Number of items: 4  
 Percent of Total: 3.03  
 62-Information orga O-Operations B-Bal of Plant Ops 50-382/199900100  
 67-Function LTA (ac O-Operations B-Bal of Plant Ops 50-382/199901800  
 74-Excessive Radiat O-Operations B-Bal of Plant Ops 50-382/199901800

## Management and Supervision IR

Number of items: 17  
 Percent of total: 12.88  
 40-Individual Corre Z-Other 50-382/1999002  
 34-Perceived pressu G-Engineering G-Design 50-382/1999004  
 43-Operating Experi G-Engineering Z-Other 50-382/1999004  
 43-Operating Experi G-Engineering Z-Other 50-382/1999006  
 44-Corrective Actio O-Operations Z-Other 50-382/1999007  
 44-Corrective Actio G-Engineering Z-Other 50-382/1999007  
 40-Individual Corre G-Engineering Z-Other 50-382/1999007  
 47-Root Cause LTA G-Engineering Z-Other 50-382/1999007  
 41-Action not begun G-Engineering Z-Other 50-382/1999007  
 41-Action not begun G-Engineering Z-Other 50-382/1999007  
 47-Root Cause LTA G-Engineering Z-Other 50-382/1999007  
 40-Individual Corre O-Operations Z-Other 50-382/1999009  
 32-Supervision / co O-Operations F-Modification 50-382/1999009  
 41-Action not begun H-Health Physics Z-Other 50-382/1999011  
 40-Individual Corre O-Operations M-Maint / Repair 50-382/1999020  
 47-Root Cause LTA G-Engineering Z-Other 50-382/1999020  
 47-Root Cause LTA M-Mechanical Z-Other 50-382/1999023

## Management and Supervision ER

Number of items: 0  
 Percent of total: 0

## Management and Supervision LER

Number of items: 3  
 Percent of total: 2.27  
 32-Supervision / co O-Operations O-Control Room Ops 50-382/199901500  
 33-Management expec O-Operations O-Control Room Ops 50-382/199901500  
 40-Individual Corre M-Mechanical M-Maint / Repair 50-382/199901800

## Organizational Issues IR

Number of items: 0  
 Percent of total: 0

## 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: 18  
 Percent of total: 13.64  
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-382/1998019  
 Page: 2 Date:03/17/2000

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## Procedures and Reference Document IR

Number of items: 18			
Percent of Total: 13.64			
12-Procedure techni	G-Engineering	G-Design	50-382/1999002
12-Procedure techni	G-Engineering	G-Design	50-382/1999002
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	G-Engineering	G-Design	50-382/1999006
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-382/1999007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-382/1999007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-382/1999007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-382/1999007

## Human Factors Information System Report

12-Procedure techni	G-Engineering	G-Design	50-382/1999009
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-382/1999014
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-382/1999020

Procedures and Reference Document ER  
 Number of items: 0  
 Percent of total: 0

Procedures and Reference Document LER  
 Number of items: 3  
 Percent of total: 2.27

12-Procedure techni	O-Operations	O-Control Room Ops	50-382/199901300
12-Procedure techni	O-Operations	O-Control Room Ops	50-382/199901300
13-Procedure has hu	O-Operations	O-Control Room Ops	50-382/199901500

## Training IR

Number of items: 8  
 Percent of total: 6.06

05-Individual knowl	O-Operations	O-Control Room Ops	50-382/1998019
05-Individual knowl	O-Operations	O-Control Room Ops	50-382/1998019
05-Individual knowl	O-Operations	D-Emergency Drill	50-382/1999012
05-Individual knowl	O-Operations	Z-Other	50-382/1999014
05-Individual knowl	O-Operations	Z-Other	50-382/1999014
05-Individual knowl	O-Operations	Z-Other	50-382/1999014
05-Individual knowl	O-Operations	Z-Other	50-382/1999014
05-Individual knowl	O-Operations	Z-Other	50-382/1999014

## 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: 56

Percent of total: 42.42

88-Tag outs LTA	O-Operations	M-Maint / Repair	50-382/1999002
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Page: 3      Date:03/17/2000

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## Work Factors IR

Number of items: 56

Percent of Total: 42.42

92-Self check LTA	O-Operations	M-Maint / Repair	50-382/1999002
93-Awareness or att	O-Operations	M-Maint / Repair	50-382/1999002
84-Non-conserv. dec	Z-Other	Z-Other	50-382/1999002
83-Work practice or	G-Engineering	G-Design	50-382/1999002
83-Work practice or	U-Unknown	H-Health Physics	50-382/1999002
93-Awareness or att	G-Engineering	A-Administrative	50-382/1999004
93-Awareness or att	G-Engineering	A-Administrative	50-382/1999004
83-Work practice or	G-Engineering	G-Design	50-382/1999004
93-Awareness or att	G-Engineering	G-Design	50-382/1999006
93-Awareness or att	G-Engineering	F-Modification	50-382/1999006
93-Awareness or att	G-Engineering	G-Design	50-382/1999006
93-Awareness or att	G-Engineering	A-Administrative	50-382/1999006
93-Awareness or att	G-Engineering	G-Design	50-382/1999006
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-382/1999007
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-382/1999007
83-Work practice or	Z-Other	Z-Other	50-382/1999008
87-Non-conservative	U-Unknown	Z-Other	50-382/1999008
84-Non-conserv. dec	Z-Other	Z-Other	50-382/1999008
84-Non-conserv. dec	Z-Other	Z-Other	50-382/1999008
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-382/1999009
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-382/1999009
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-382/1999009
81-Work Package Qua	G-Engineering	F-Modification	50-382/1999009
84-Non-conserv. dec	G-Engineering	F-Modification	50-382/1999009
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-382/1999009
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-382/1999009
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-382/1999009
93-Awareness or att	O-Operations	D-Emergency Drill	50-382/1999012
92-Self check LTA	O-Operations	D-Emergency Drill	50-382/1999012

## Human Factors Information System Report

84-Non-conserv. dec	O-Operations	D-Emergency Drill	50-382/1999012
93-Awareness or att	D-Emergency Plannin	A-Administrative	50-382/1999012
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-382/1999013
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-382/1999013
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-382/1999013
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-382/1999013
81-Work Package Qua	G-Engineering	G-Design	50-382/1999013
93-Awareness or att	U-Unknown	Z-Other	50-382/1999013
93-Awareness or att	Z-Other	Z-Other	50-382/1999013
93-Awareness or att	T-Training	Z-Other	50-382/1999014
84-Non-conserv. dec	O-Operations	Z-Other	50-382/1999014
84-Non-conserv. dec	O-Operations	Z-Other	50-382/1999014
93-Awareness or att	T-Training	Z-Other	50-382/1999014
93-Awareness or att	T-Training	Z-Other	50-382/1999014
83-Work practice or	O-Operations	Q-Fire Protection	50-382/1999018
83-Work practice or	O-Operations	Q-Fire Protection	50-382/1999018
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/1999020
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-382/1999020
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-382/1999020
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-382/1999020
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-382/1999020

Page: 4 Date:03/17/2000

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## Work Factors IR

Number of items: 56  
Percent of Total: 42.42

84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-382/1999020
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-382/1999020
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-382/1999020
93-Awareness or att	O-Operations	O-Control Room Ops	50-382/1999023
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-382/1999023

## Work Factors ER

Number of items: 0  
Percent of total: 0

## Work Factors LER

Number of items: 5  
Percent of total: 3.79

93-Awareness or att	O-Operations	O-Control Room Ops	50-382/199901500
85-Team interaction	O-Operations	O-Control Room Ops	50-382/199901500
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-382/199901500
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-382/199901500
93-Awareness or att	G-Engineering	F-Modification	50-382/199901700

Page: 5 Date:03/17/2000

**[End of File for Plant Docket 382 (1999)]**