

# 1998 Human Factors Information System Report for Plant Docket 293

Combined IR/ER/LER Report  
Docket: 50-293 PILGRIM 1

Total Number of Hits in Date Range: 98  
From 01/01/1998 to 12/31/1998  
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 3			
Percent of total: 3.06			
51-Misunderstood /	I-Instrumentation & M-Maint / Repair		50-293/1997013
	I-Instrumentation &		
51-Misunderstood /	G-Engineering	M-Maint / Repair	50-293/1997013
	G-Engineering		
52-Communication un	C-Chemistry	S-Surveillance	50-293/1998006
	C-Chemistry		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 1			
Percent of total: 1.02			
54-No communication	G-Engineering	G-Design	50-293/199800601
	F-Fuel Handling		
Human-System Interface and Environm IR			
Number of items: 1			
Percent of total: 1.02			
72-Lighting LTA	O-Operations	B-Bal of Plant Ops	50-293/1998005
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: 13			
Percent of total: 13.27			
40-Individual Corre	G-Engineering	Z-Other	50-293/1997013
47-Root Cause LTA	G-Engineering	Z-Other	50-293/1997013
47-Root Cause LTA	G-Engineering	Z-Other	50-293/1998001
33-Management expec	O-Operations	A-Administrative	50-293/1998002
44-Corrective Actio	G-Engineering	Z-Other	50-293/1998004
33-Management expec	B-Plant Management	M-Maint / Repair	50-293/1998004
44-Corrective Actio	O-Operations	Q-Fire Protection	50-293/1998005
40-Individual Corre	O-Operations	Q-Fire Protection	50-293/1998005
40-Individual Corre	O-Operations	Z-Other	50-293/1998006
40-Individual Corre	O-Operations	Z-Other	50-293/1998006
34-Perceived pressu	O-Operations	Z-Other	50-293/1998006
48-Audits or proble	Q-QA/QC	Z-Other	50-293/1998006
48-Audits or proble	O-Operations	Q-Fire Protection	50-293/1998006
Management and Supervision ER			
Number of items: 0			
Percent of total: 0			
Management and Supervision LER			
Number of items: 0			
Percent of total: 0			
Organizational Issues IR			
Number of items: 1			
Percent of total: 1.02			
21-Staffing LTA	B-Plant Management	Q-Fire Protection	50-293/1998005
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: 12  
Percent of total: 12.24

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Procedures and Reference Document IR			
Number of items: 12			
Percent of Total: 12.24			
13-Procedure has hu	G-Engineering	G-Design	50-293/1997013
12-Procedure techni	G-Engineering	G-Design	50-293/1997013
11-No procedure / r	G-Engineering	G-Design	50-293/1998001
11-No procedure / r	G-Engineering	G-Design	50-293/1998001
11-No procedure / r	G-Engineering	G-Design	50-293/1998001
14-Document develop	G-Engineering	P-Procedure Dev	50-293/1998001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-293/1998002
12-Procedure techni	G-Engineering	G-Design	50-293/1998002
11-No procedure / r	P-Procedure Writers	M-Maint / Repair	50-293/1998004
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-293/1998004
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-293/1998007
12-Procedure techni	G-Engineering	G-Design	50-293/1998009

## 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: 2.04

14-Document develop	P-Procedure Writers	P-Procedure Dev	50-293/199801000
12-Procedure techni	I-Instrumentation &	C-Calibration	50-293/199801700

## Training IR

Number of items: 5  
Percent of total: 5.1

02-Training LTA	T-Training	O-Control Room Ops	50-293/1997013
02-Training LTA	T-Training	Z-Other	50-293/1998004
05-Individual knowl	O-Operations	Z-Other	50-293/1998005
03-Training process	T-Training	D-Emergency Drill	50-293/1998005
05-Individual knowl	H-Health Physics	H-Health Physics	50-293/1998006

## Training ER

Number of items: 0  
Percent of total: 0

## Training LER

Number of items: 3  
Percent of total: 3.06

05-Individual knowl	G-Engineering	G-Design	50-293/199800200
05-Individual knowl	G-Engineering	G-Design	50-293/199800300
05-Individual knowl	Q-QA/QC	G-Design	50-293/199800300

## Work Factors IR

Number of items: 56  
Percent of total: 57.14

93-Awareness or att	O-Operations	O-Control Room Ops	50-293/1997013
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1997013
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1997013
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1997013

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## Work Factors IR

Number of items: 56

Percent of Total: 57.14

91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1997013
83-Work practice or	W-Work Control / Sc	M-Maint / Repair	50-293/1997013
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-293/1997013
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-293/1997013
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-293/1997013
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-293/1997013
83-Work practice or	W-Work Control / Sc	M-Maint / Repair	50-293/1997013
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-293/1997013
82-Briefing, prep.	W-Work Control / Sc	M-Maint / Repair	50-293/1997013
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-293/1997013
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-293/1997013
83-Work practice or	G-Engineering	G-Design	50-293/1997013
83-Work practice or	G-Engineering	G-Design	50-293/1997013
83-Work practice or	G-Engineering	G-Design	50-293/1997013
83-Work practice or	M-Mechanical	H-Health Physics	50-293/1997013
83-Work practice or	G-Engineering	A-Administrative	50-293/1998001
81-Work Package Qua	G-Engineering	G-Design	50-293/1998001
93-Awareness or att	O-Operations	A-Administrative	50-293/1998002
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1998002
93-Awareness or att	O-Operations	S-Surveillance	50-293/1998002
93-Awareness or att	G-Engineering	S-Surveillance	50-293/1998002
93-Awareness or att	M-Mechanical	A-Administrative	50-293/1998002
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1998002
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1998002
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-293/1998002
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-293/1998002
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-293/1998002
81-Work Package Qua	G-Engineering	F-Modification	50-293/1998002
83-Work practice or	G-Engineering	G-Design	50-293/1998004
86-Work untimely	G-Engineering	G-Design	50-293/1998004
86-Work untimely	G-Engineering	G-Design	50-293/1998004
81-Work Package Qua	G-Engineering	G-Design	50-293/1998004
81-Work Package Qua	G-Engineering	G-Design	50-293/1998004
83-Work practice or	G-Engineering	G-Design	50-293/1998004
93-Awareness or att	G-Engineering	A-Administrative	50-293/1998004
86-Work untimely	G-Engineering	Z-Other	50-293/1998004
93-Awareness or att	G-Engineering	A-Administrative	50-293/1998005
93-Awareness or att	G-Engineering	A-Administrative	50-293/1998005
84-Non-conserv. dec	H-Health Physics	H-Health Physics	50-293/1998005
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-293/1998005
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-293/1998005
83-Work practice or	O-Operations	Z-Other	50-293/1998006
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-293/1998007
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-293/1998007
93-Awareness or att	O-Operations	O-Control Room Ops	50-293/1998007
83-Work practice or	M-Mechanical	H-Health Physics	50-293/1998007
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-293/1998007
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-293/1998007
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-293/1998007
91-Verification / p	G-Engineering	M-Maint / Repair	50-293/1998007

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## Work Factors IR

Number of items: 56

Percent of Total: 57.14

91-Verification / p	I-Instrumentation &	M-Maint / Repair	50-293/1998007
81-Work Package Qua	G-Engineering	G-Design	50-293/1998009

## Work Factors ER

Number of items: 0

Percent of total: 0

## Work Factors LER

Number of items: 1

Percent of total: 1.02

91-Verification / p	G-Engineering	G-Design	50-293/199800601
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