

# 1998 Human Factors Information System Report for Plant Docket 301

Combined IR/ER/LER Report  
Docket: 50-301 POINT BEACH 2

Total Number of Hits in Date Range: 180  
From 01/01/1998 to 12/31/1998  
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 7			
Percent of total: 3.89			
53-Communication LT	O-Operations	V-Troubleshooting	50-301/1998003
	O-Operations		
54-No communication	G-Engineering	T-Testing	50-301/1998003
	G-Engineering		
54-No communication	Z-Other	A-Administrative	50-301/1998009
	Z-Other		
53-Communication LT	M-Mechanical	V-Troubleshooting	50-301/1998014
	I-Instrumentation &		
53-Communication LT	M-Mechanical	V-Troubleshooting	50-301/1998014
	E-Electrical		
53-Communication LT	M-Mechanical	M-Maint / Repair	50-301/1998014
	I-Instrumentation &		
53-Communication LT	E-Electrical	M-Maint / Repair	50-301/1998014
	E-Electrical		

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: 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: 0  
Percent of total: 0

Management and Supervision IR			
Number of items: 34			
Percent of total: 18.89			
43-Operating Experi	O-Operations	Z-Other	50-301/1997023
43-Operating Experi	O-Operations	Z-Other	50-301/1997023
41-Action not begun	O-Operations	Z-Other	50-301/1997023
43-Operating Experi	O-Operations	Z-Other	50-301/1997023
41-Action not begun	O-Operations	Z-Other	50-301/1997023
44-Corrective Actio	O-Operations	Z-Other	50-301/1997023
44-Corrective Actio	O-Operations	Z-Other	50-301/1997023
44-Corrective Actio	G-Engineering	A-Administrative	50-301/1997023
32-Supervision / co	O-Operations	A-Administrative	50-301/1997026
40-Individual Corre	E-Electrical	Z-Other	50-301/1997026

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Management and Supervision IR			
Number of items: 34			
Percent of Total: 18.89			
40-Individual Corre	H-Health Physics	H-Health Physics	50-301/1997026
41-Action not begun	M-Mechanical	Z-Other	50-301/1998003

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32-Supervision / co	G-Engineering	G-Design	50-301/1998003
33-Management expec	O-Operations	O-Control Room Ops	50-301/1998003
48-Audits or proble	Q-QA/QC	Z-Other	50-301/1998005
48-Audits or proble	Q-QA/QC	Z-Other	50-301/1998005
41-Action not begun	O-Operations	P-Procedure Dev	50-301/1998006
33-Management expec	M-Mechanical	A-Administrative	50-301/1998006
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-301/1998006
41-Action not begun	G-Engineering	Z-Other	50-301/1998006
41-Action not begun	G-Engineering	Z-Other	50-301/1998006
32-Supervision / co	O-Operations	O-Control Room Ops	50-301/1998009
33-Management expec	O-Operations	O-Control Room Ops	50-301/1998009
47-Root Cause LTA	O-Operations	Z-Other	50-301/1998009
40-Individual Corre	G-Engineering	Z-Other	50-301/1998009
40-Individual Corre	Z-Other	Z-Other	50-301/1998009
43-Operating Experi	G-Engineering	G-Design	50-301/1998013
48-Audits or proble	E-Electrical	Z-Other	50-301/1998013
48-Audits or proble	Q-QA/QC	Z-Other	50-301/1998013
47-Root Cause LTA	G-Engineering	Z-Other	50-301/1998013
44-Corrective Actio	G-Engineering	Z-Other	50-301/1998013
32-Supervision / co	D-Emergency Plannin	D-Emergency Drill	50-301/1998014
32-Supervision / co	D-Emergency Plannin	D-Emergency Drill	50-301/1998014
32-Supervision / co	G-Engineering	Z-Other	50-301/1998015

## Management and Supervision ER

Number of items: 0  
Percent of total: 0

## Management and Supervision LER

Number of items: 1  
Percent of total: .56

36-Scheduling and p	M-Mechanical	T-Testing	50-301/199800300
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## Organizational Issues IR

Number of items: 6  
Percent of total: 3.33

21-Staffing LTA	O-Operations	Z-Other	50-301/1997023
22-Poor Task Alloca	O-Operations	Q-Fire Protection	50-301/1997023
27-Excessive hours	G-Engineering	O-Control Room Ops	50-301/1998006
22-Poor Task Alloca	B-Plant Management	Z-Other	50-301/1998009
21-Staffing LTA	O-Operations	B-Bal of Plant Ops	50-301/1998014
21-Staffing LTA	O-Operations	O-Control Room Ops	50-301/1998014

## 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: 42  
Percent of total: 23.33

12-Procedure techni	G-Engineering	G-Design	50-301/1997023
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## Procedures and Reference Document IR

Number of items: 42  
Percent of Total: 23.33

13-Procedure has hu	G-Engineering	G-Design	50-301/1997023
13-Procedure has hu	G-Engineering	G-Design	50-301/1997023
11-No procedure / r	G-Engineering	G-Design	50-301/1997023
12-Procedure techni	G-Engineering	G-Design	50-301/1997025
12-Procedure techni	G-Engineering	G-Design	50-301/1997026
13-Procedure has hu	G-Engineering	G-Design	50-301/1997026
13-Procedure has hu	G-Engineering	G-Design	50-301/1997026
12-Procedure techni	G-Engineering	G-Design	50-301/1998003
12-Procedure techni	G-Engineering	G-Design	50-301/1998003
12-Procedure techni	G-Engineering	G-Design	50-301/1998003
13-Procedure has hu	G-Engineering	G-Design	50-301/1998003
12-Procedure techni	G-Engineering	G-Design	50-301/1998005
12-Procedure techni	G-Engineering	G-Design	50-301/1998005
12-Procedure techni	G-Engineering	G-Design	50-301/1998005

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13-Procedure has hu	G-Engineering	G-Design	50-301/1998006
13-Procedure has hu	G-Engineering	G-Design	50-301/1998006
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-301/1998009
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-301/1998009
13-Procedure has hu	D-Emergency Plannin	D-Emergency Drill	50-301/1998009
13-Procedure has hu	G-Engineering	G-Design	50-301/1998010
13-Procedure has hu	G-Engineering	G-Design	50-301/1998010
13-Procedure has hu	G-Engineering	G-Design	50-301/1998010
13-Procedure has hu	G-Engineering	G-Design	50-301/1998010
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-301/1998011
12-Procedure techni	G-Engineering	G-Design	50-301/1998011
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-301/1998013
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-301/1998013
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-301/1998013
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-301/1998013
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-301/1998013
12-Procedure techni	G-Engineering	G-Design	50-301/1998013
12-Procedure techni	G-Engineering	G-Design	50-301/1998013
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-301/1998014
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-301/1998014
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-301/1998014
11-No procedure / r	O-Operations	B-Bal of Plant Ops	50-301/1998014
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-301/1998014
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-301/1998014
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-301/1998014
12-Procedure techni	G-Engineering	G-Design	50-301/1998015
12-Procedure techni	G-Engineering	G-Design	50-301/1998015

## 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: 1.67

12-Procedure techni O-Operations B-Bal of Plant Ops 50-301/199800100

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Details	Department	Work Type	Docket/Report
12-Procedure techni	M-Mechanical	T-Testing	50-266/199800100
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-266/199801600

## Training IR

Number of items: 7

Percent of total: 3.89

02-Training LTA	T-Training	G-Design	50-301/1997025
05-Individual knowl	G-Engineering	G-Design	50-301/1997025
01-No Training	T-Training	O-Control Room Ops	50-301/1998011
01-No Training	T-Training	M-Maint / Repair	50-301/1998013
01-No Training	T-Training	M-Maint / Repair	50-301/1998013
02-Training LTA	T-Training	D-Emergency Drill	50-301/1998014
06-Simulator fideli	T-Training	D-Emergency Drill	50-301/1998014

## 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: 78

Percent of total: 43.33

88-Tag outs LTA	O-Operations	M-Maint / Repair	50-301/1997023
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-301/1997023
86-Work untimely	O-Operations	A-Administrative	50-301/1997023
83-Work practice or	G-Engineering	G-Design	50-301/1997023
83-Work practice or	G-Engineering	A-Administrative	50-301/1997023
85-Team interaction	O-Operations	M-Maint / Repair	50-301/1997023
83-Work practice or	G-Engineering	A-Administrative	50-301/1997023
86-Work untimely	G-Engineering	G-Design	50-301/1997023
83-Work practice or	G-Engineering	A-Administrative	50-301/1997025
83-Work practice or	G-Engineering	A-Administrative	50-301/1997025
81-Work Package Qua	G-Engineering	G-Design	50-301/1997025

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81-Work Package Qua	G-Engineering	G-Design	50-301/1997025
86-Work untimely	G-Engineering	G-Design	50-301/1997025
81-Work Package Qua	G-Engineering	G-Design	50-301/1997025
83-Work practice or	G-Engineering	A-Administrative	50-301/1997025
83-Work practice or	G-Engineering	G-Design	50-301/1997025
83-Work practice or	G-Engineering	A-Administrative	50-301/1997025
81-Work Package Qua	G-Engineering	G-Design	50-301/1997025
81-Work Package Qua	G-Engineering	G-Design	50-301/1997025
93-Awareness or att	G-Engineering	G-Design	50-301/1997025
83-Work practice or	M-Mechanical	M-Maint / Repair	50-301/1997025
89-Housekeeping LTA	M-Mechanical	M-Maint / Repair	50-301/1997025
83-Work practice or	G-Engineering	G-Design	50-301/1997025
93-Awareness or att	G-Engineering	T-Testing	50-301/1997025
93-Awareness or att	E-Electrical	T-Testing	50-301/1997025

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

Number of items: 78

Percent of Total: 43.33

86-Work untimely	O-Operations	A-Administrative	50-301/1997026
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-301/1997026
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-301/1997026
83-Work practice or	E-Electrical	M-Maint / Repair	50-301/1997026
92-Self check LTA	E-Electrical	M-Maint / Repair	50-301/1997026
83-Work practice or	G-Engineering	G-Design	50-301/1997026
84-Non-conserv. dec	Z-Other	F-Modification	50-301/1997026
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-301/1997026
84-Non-conserv. dec	O-Operations	V-Troubleshooting	50-301/1998003
84-Non-conserv. dec	G-Engineering	V-Troubleshooting	50-301/1998003
93-Awareness or att	O-Operations	V-Troubleshooting	50-301/1998003
83-Work practice or	G-Engineering	T-Testing	50-301/1998003
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-301/1998003
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-301/1998003
93-Awareness or att	W-Work Control / Sc	A-Administrative	50-301/1998003
83-Work practice or	M-Mechanical	A-Administrative	50-301/1998003
81-Work Package Qua	G-Engineering	G-Design	50-301/1998003
83-Work practice or	M-Mechanical	F-Modification	50-301/1998005
83-Work practice or	M-Mechanical	F-Modification	50-301/1998005
83-Work practice or	M-Mechanical	F-Modification	50-301/1998005
83-Work practice or	M-Mechanical	F-Modification	50-301/1998005
83-Work practice or	M-Mechanical	F-Modification	50-301/1998005
81-Work Package Qua	Q-QA/QC	Z-Other	50-301/1998005
83-Work practice or	Q-QA/QC	Z-Other	50-301/1998005
83-Work practice or	G-Engineering	Z-Other	50-301/1998005
81-Work Package Qua	G-Engineering	G-Design	50-301/1998006
83-Work practice or	G-Engineering	A-Administrative	50-301/1998006
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-301/1998009
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-301/1998009
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-301/1998009
83-Work practice or	I-Instrumentation &	A-Administrative	50-301/1998010
83-Work practice or	I-Instrumentation &	A-Administrative	50-301/1998010
86-Work untimely	I-Instrumentation &	A-Administrative	50-301/1998010
83-Work practice or	I-Instrumentation &	A-Administrative	50-301/1998010
84-Non-conserv. dec	O-Operations	T-Testing	50-301/1998011
93-Awareness or att	G-Engineering	G-Design	50-301/1998011
94-Log-keeping or r	E-Electrical	A-Administrative	50-301/1998013
83-Work practice or	G-Engineering	F-Modification	50-301/1998013
86-Work untimely	G-Engineering	Z-Other	50-301/1998013
83-Work practice or	G-Engineering	G-Design	50-301/1998013
83-Work practice or	G-Engineering	G-Design	50-301/1998013
81-Work Package Qua	G-Engineering	G-Design	50-301/1998013
93-Awareness or att	P-Procedure Writers	F-Modification	50-301/1998014
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-301/1998014
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-301/1998014
84-Non-conserv. dec	O-Operations	D-Emergency Drill	50-301/1998014
84-Non-conserv. dec	Z-Other	D-Emergency Drill	50-301/1998014
85-Team interaction	D-Emergency Plannin	D-Emergency Drill	50-301/1998014
93-Awareness or att	G-Engineering	G-Design	50-301/1998015
93-Awareness or att	G-Engineering	G-Design	50-301/1998015

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Work Factors IR			
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93-Awareness or att	G-Engineering	G-Design	50-301/1998015
93-Awareness or att	G-Engineering	G-Design	50-301/1998015
93-Awareness or att	G-Engineering	G-Design	50-301/1998015
Work Factors ER			
Number of items: 0			
Percent of total: 0			
Work Factors LER			
Number of items: 2			
Percent of total: 1.11			
92-Self check LTA	W-Work Control / Sc	A-Administrative	50-301/199800300
93-Awareness or att	I-Instrumentation &	C-Calibration	50-301/199800400
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