

# 1998 Human Factors Information System Report for Plant Docket 413

Combined IR/ER/LER Report  
Docket: 50-413 CATAWBA 1

Total Number of Hits in Date Range: 133  
From 01/01/1998 to 12/31/1998  
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 4			
Percent of total: 3.01			
54-No communication	H-Health Physics H-Health Physics	H-Health Physics	50-413/1997015
53-Communication LT	O-Operations O-Operations	Z-Other	50-413/1998003
54-No communication	O-Operations O-Operations	Z-Other	50-413/1998003
53-Communication LT	G-Engineering G-Engineering	A-Administrative	50-413/1998008
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: 3			
Percent of total: 2.26			
76-Postings LTA	H-Health Physics	H-Health Physics	50-413/1998001
61-Labels LTA	O-Operations	T-Testing	50-413/1998005
65-Information Cont	O-Operations	O-Control Room Ops	50-413/1998006
Human-System Interface and Environm ER			
Number of items: 0			
Percent of total: 0			
Human-System Interface and Environm LER			
Number of items: 2			
Percent of total: 1.5			
66-HSI does not exi	O-Operations	V-Troubleshooting	50-413/199800200
65-Information Cont	O-Operations	V-Troubleshooting	50-413/199800200
Management and Supervision IR			
Number of items: 8			
Percent of total: 6.02			
40-Individual Corre	G-Engineering	Z-Other	50-413/1998005
41-Action not begun	B-Plant Management	Z-Other	50-413/1998005
32-Supervision / co	O-Operations	Z-Other	50-413/1998006
33-Management expec	O-Operations	Z-Other	50-413/1998006
47-Root Cause LTA	G-Engineering	Z-Other	50-413/1998006
47-Root Cause LTA	G-Engineering	Z-Other	50-413/1998007
47-Root Cause LTA	G-Engineering	Z-Other	50-413/1998007
47-Root Cause LTA	G-Engineering	Z-Other	50-413/1998007
Management and Supervision ER			
Number of items: 0			
Percent of total: 0			
Management and Supervision LER			
Number of items: 1			
Percent of total: .75			
41-Action not begun	M-Mechanical	T-Testing	50-413/199800700

## Organizational Issues IR

Number of items: 1  
Percent of total: .75

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Organizational Issues IR			
Number of items: 1			
Percent of Total: .75			
21-Staffing LTA	G-Engineering	G-Design	50-413/1997015

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: 13.53

11-No procedure / r	O-Operations	Q-Fire Protection	50-413/1998001
12-Procedure techni	G-Engineering	G-Design	50-413/1998003
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-413/1998005
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-413/1998005
12-Procedure techni	G-Engineering	G-Design	50-413/1998005
13-Procedure has hu	G-Engineering	G-Design	50-413/1998005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998007
12-Procedure techni	Q-QA/QC	P-Procedure Dev	50-413/1998007
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-413/1998008
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998008
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-413/1998008
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-413/1998008

Procedures and Reference Document ER  
Number of items: 12  
Percent of total: 9.02

13-Procedure has hu	G-Engineering	G-Design	50-413/1997300
13-Procedure has hu	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	G-Engineering	G-Design	50-413/1997300
12-Procedure techni	H-Health Physics	H-Health Physics	50-413/1997300
13-Procedure has hu	D-Emergency Plannin	D-Emergency Drill	50-413/1997300

Procedures and Reference Document LER  
Number of items: 7  
Percent of total: 5.26

12-Procedure techni	O-Operations	V-Troubleshooting	50-413/199800200
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Procedures and Reference Document LER  
Number of items: 7  
Percent of Total: 5.26

12-Procedure techni	G-Engineering	G-Design	50-413/199800300
14-Document develop	E-Electrical	P-Procedure Dev	50-413/199800400
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-413/199800802
12-Procedure techni	O-Operations	M-Maint / Repair	50-413/199801201
11-No procedure / r	M-Mechanical	T-Testing	50-413/199801501
12-Procedure techni	M-Mechanical	S-Surveillance	50-413/199801501

Training IR

Number of items: 6  
 Percent of total: 4.51

05-Individual knowl	O-Operations	O-Control Room Ops	50-413/1997015
04-Task Qualificati	M-Mechanical	M-Maint / Repair	50-413/1997015
01-No Training	T-Training	M-Maint / Repair	50-413/1998001
02-Training LTA	T-Training	O-Control Room Ops	50-413/1998006
05-Individual knowl	O-Operations	O-Control Room Ops	50-413/1998006
02-Training LTA	T-Training	S-Surveillance	50-413/1998009

## Training ER

Number of items: 4  
 Percent of total: 3.01

02-Training LTA	T-Training	O-Control Room Ops	50-413/1997300
06-Simulator fideli	T-Training	Z-Other	50-413/1997300
03-Training process	T-Training	A-Administrative	50-413/1997300
02-Training LTA	T-Training	Z-Other	50-413/1997300

## Training LER

Number of items: 3  
 Percent of total: 2.26

02-Training LTA	O-Operations	V-Troubleshooting	50-413/199800200
02-Training LTA	O-Operations	M-Maint / Repair	50-413/199801201
02-Training LTA	M-Mechanical	T-Testing	50-413/199801501

## Work Factors IR

Number of items: 51  
 Percent of total: 38.35

93-Awareness or att	O-Operations	O-Control Room Ops	50-413/1997015
83-Work practice or	O-Operations	O-Control Room Ops	50-413/1997015
93-Awareness or att	O-Operations	O-Control Room Ops	50-413/1997015
93-Awareness or att	G-Engineering	G-Design	50-413/1997015
86-Work untimely	A-Administrative Su	Z-Other	50-413/1997015
83-Work practice or	E-Electrical	M-Maint / Repair	50-413/1997015
83-Work practice or	G-Engineering	G-Design	50-413/1997015
84-Non-conserv. dec	G-Engineering	G-Design	50-413/1997015
83-Work practice or	H-Health Physics	H-Health Physics	50-413/1997015
94-Log-keeping or r	H-Health Physics	H-Health Physics	50-413/1997015
83-Work practice or	H-Health Physics	A-Administrative	50-413/1997015
93-Awareness or att	D-Emergency Plannin	A-Administrative	50-413/1997015
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-413/1998001
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-413/1998001
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-413/1998001

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## Work Factors IR

Number of items: 51  
 Percent of Total: 38.35

83-Work practice or	M-Mechanical	A-Administrative	50-413/1998001
83-Work practice or	G-Engineering	G-Design	50-413/1998001
83-Work practice or	E-Electrical	V-Troubleshooting	50-413/1998001
93-Awareness or att	O-Operations	Q-Fire Protection	50-413/1998001
83-Work practice or	G-Engineering	Z-Other	50-413/1998003
81-Work Package Qua	G-Engineering	F-Modification	50-413/1998003
81-Work Package Qua	G-Engineering	G-Design	50-413/1998005
83-Work practice or	G-Engineering	G-Design	50-413/1998005
86-Work untimely	P-Procedure Writers	P-Procedure Dev	50-413/1998006
88-Tag outs LTA	O-Operations	V-Troubleshooting	50-413/1998006
93-Awareness or att	O-Operations	O-Control Room Ops	50-413/1998006
83-Work practice or	G-Engineering	G-Design	50-413/1998006
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-413/1998006
84-Non-conserv. dec	G-Engineering	V-Troubleshooting	50-413/1998006
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-413/1998006
81-Work Package Qua	G-Engineering	G-Design	50-413/1998006
91-Verification / p	O-Operations	O-Control Room Ops	50-413/1998007
93-Awareness or att	P-Procedure Writers	A-Administrative	50-413/1998007
84-Non-conserv. dec	O-Operations	A-Administrative	50-413/1998007
84-Non-conserv. dec	G-Engineering	Z-Other	50-413/1998007
84-Non-conserv. dec	G-Engineering	Z-Other	50-413/1998007
93-Awareness or att	P-Procedure Writers	A-Administrative	50-413/1998007
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-413/1998008
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-413/1998008
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-413/1998008
81-Work Package Qua	G-Engineering	G-Design	50-413/1998008

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81-Work Package Qua	G-Engineering	G-Design	50-413/1998008
84-Non-conserv. dec	G-Engineering	G-Design	50-413/1998008
84-Non-conserv. dec	G-Engineering	G-Design	50-413/1998008
83-Work practice or	G-Engineering	G-Design	50-413/1998008
83-Work practice or	G-Engineering	G-Design	50-413/1998008
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-413/1998009
91-Verification / p	O-Operations	M-Maint / Repair	50-413/1998009
92-Self check LTA	O-Operations	M-Maint / Repair	50-413/1998009
93-Awareness or att	Q-QA/QC	S-Surveillance	50-413/1998009
81-Work Package Qua	G-Engineering	F-Modification	50-413/1998009

## Work Factors ER

Number of items: 7

Percent of total: 5.26

81-Work Package Qua	T-Training	Z-Other	50-413/1997300
82-Briefing, prep.	O-Operations	Z-Other	50-413/1997300
93-Awareness or att	T-Training	A-Administrative	50-413/1997300
83-Work practice or	T-Training	A-Administrative	50-413/1997300
83-Work practice or	H-Health Physics	H-Health Physics	50-413/1997300
83-Work practice or	H-Health Physics	H-Health Physics	50-413/1997300
84-Non-conserv. dec	O-Operations	Z-Other	50-413/1997300

## Work Factors LER

Number of items: 6

Percent of total: 4.51

81-Work Package Qua	W-Work Control / Sc	F-Modification	50-413/199800100
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Details	Department	Work Type	Docket/Report
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## Work Factors LER

Number of items: 6

Percent of Total: 4.51

92-Self check LTA	M-Mechanical	F-Modification	50-413/199800100
83-Work practice or	P-Procedure Writers	P-Procedure Dev	50-413/199800501
92-Self check LTA	P-Procedure Writers	P-Procedure Dev	50-413/199801400
84-Non-conserv. dec	G-Engineering	V-Troubleshooting	50-413/199801501
84-Non-conserv. dec	M-Mechanical	T-Testing	50-413/199801501

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**[End of File for Plant Docket 413 (1998)]**

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