

# 1997 Human Factors Information System Report for Plant Docket 456

Combined IR/ER/LER Report  
Docket: 50-456 BRAIDWOOD 1

Total Number of Hits in Date Range: 184  
From 01/01/1997 to 12/31/1997  
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 12			
Percent of total: 6.52			
54-No communication	M-Mechanical	M-Maint / Repair	50-456/1996016
	M-Mechanical		
53-Communication LT	Z-Other	Q-Fire Protection	50-456/1996016
	Z-Other		
51-Misunderstood /	O-Operations	U-Unknown	50-456/1996018
53-Communication LT	O-Operations	U-Unknown	50-456/1996018
54-No communication	O-Operations	U-Unknown	50-456/1997003
54-No communication	T-Training	U-Unknown	50-456/1997003
53-Communication LT	G-Engineering	S-Surveillance	50-456/1997007
	G-Engineering		
55-Communication Eq	D-Emergency Plannin	D-Emergency Drill	50-456/1997009
	D-Emergency Plannin		
53-Communication LT	G-Engineering	A-Administrative	50-456/1997012
	G-Engineering		
52-Communication un	O-Operations	O-Control Room Ops	50-456/1997013
	O-Operations		
53-Communication LT	O-Operations	S-Surveillance	50-456/1997015
	O-Operations		
51-Misunderstood /	G-Engineering	V-Troubleshooting	50-456/1997015
	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: 2  
Percent of total: 1.09

76-Postings LTA	H-Health Physics	H-Health Physics	50-456/1997016
76-Postings LTA	H-Health Physics	H-Health Physics	50-456/1997016

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: 31  
Percent of total: 16.85

36-Scheduling and p	G-Engineering	A-Administrative	50-456/1996016
33-Management expec	B-Plant Management	T-Testing	50-456/1996016

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Management and Supervision IR			
Number of items: 31			
Percent of Total: 16.85			
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-456/1996016

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32-Supervision / co	G-Engineering	M-Maint / Repair	50-456/1996016
40-Individual Corre	G-Engineering	G-Design	50-456/1996016
44-Corrective Actio	Z-Other	Q-Fire Protection	50-456/1996016
36-Scheduling and p	O-Operations	U-Unknown	50-456/1996018
42-No action planne	O-Operations	U-Unknown	50-456/1996018
41-Action not begun	B-Plant Management	U-Unknown	50-456/1996021
33-Management expec	H-Health Physics	U-Unknown	50-456/1996021
40-Individual Corre	B-Plant Management	M-Maint / Repair	50-456/1997002
40-Individual Corre	C-Chemistry	U-Unknown	50-456/1997003
33-Management expec	B-Plant Management	U-Unknown	50-456/1997003
42-No action planne	B-Plant Management	U-Unknown	50-456/1997003
41-Action not begun	O-Operations	Q-Fire Protection	50-456/1997005
32-Supervision / co	G-Engineering	S-Surveillance	50-456/1997007
32-Supervision / co	G-Engineering	S-Surveillance	50-456/1997007
47-Root Cause LTA	G-Engineering	Z-Other	50-456/1997012
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-456/1997012
48-Audits or proble	O-Operations	Z-Other	50-456/1997012
48-Audits or proble	G-Engineering	Z-Other	50-456/1997012
48-Audits or proble	M-Mechanical	Z-Other	50-456/1997012
32-Supervision / co	O-Operations	O-Control Room Ops	50-456/1997013
47-Root Cause LTA	G-Engineering	Z-Other	50-456/1997015
40-Individual Corre	O-Operations	Z-Other	50-456/1997016
40-Individual Corre	I-Instrumentation &	Z-Other	50-456/1997016
40-Individual Corre	E-Electrical	Z-Other	50-456/1997016
40-Individual Corre	M-Mechanical	Z-Other	50-456/1997016
33-Management expec	B-Plant Management	Z-Other	50-456/1997016
41-Action not begun	B-Plant Management	Q-Fire Protection	50-456/1997016
33-Management expec	B-Plant Management	Q-Fire Protection	50-456/1997016

## 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: 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: 27  
Percent of total: 14.67

12-Procedure techni	G-Engineering	Q-Fire Protection	50-456/1996016
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## Procedures and Reference Document IR

Number of items: 27  
Percent of Total: 14.67

12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-456/1996016
11-No procedure / r	O-Operations	U-Unknown	50-456/1996018
12-Procedure techni	E-Electrical	U-Unknown	50-456/1996019
12-Procedure techni	M-Mechanical	U-Unknown	50-456/1996019
14-Document develop	G-Engineering	U-Unknown	50-456/1996019
14-Document develop	M-Mechanical	U-Unknown	50-456/1996021
12-Procedure techni	G-Engineering	B-Bal of Plant Ops	50-456/1997002
12-Procedure techni	G-Engineering	O-Control Room Ops	50-456/1997002
12-Procedure techni	G-Engineering	S-Surveillance	50-456/1997002
12-Procedure techni	C-Chemistry	U-Unknown	50-456/1997003
12-Procedure techni	C-Chemistry	U-Unknown	50-456/1997003
12-Procedure techni	C-Chemistry	U-Unknown	50-456/1997003
14-Document develop	O-Operations	P-Procedure Dev	50-456/1997005
12-Procedure techni	G-Engineering	S-Surveillance	50-456/1997005
12-Procedure techni	G-Engineering	G-Design	50-456/1997007

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12-Procedure techni	G-Engineering	G-Design	50-456/1997007
11-No procedure / r	G-Engineering	G-Design	50-456/1997009
12-Procedure techni	G-Engineering	G-Design	50-456/1997009
12-Procedure techni	G-Engineering	G-Design	50-456/1997009
12-Procedure techni	G-Engineering	G-Design	50-456/1997012
12-Procedure techni	G-Engineering	G-Design	50-456/1997012
12-Procedure techni	G-Engineering	G-Design	50-456/1997012
12-Procedure techni	G-Engineering	G-Design	50-456/1997012
12-Procedure techni	G-Engineering	G-Design	50-456/1997012
12-Procedure techni	G-Engineering	G-Design	50-456/1997012
12-Procedure techni	G-Engineering	G-Design	50-456/1997012

## Procedures and Reference Document ER

Number of items: 1

Percent of total: .54

13-Procedure has hu	G-Engineering	G-Design	50-456/1997310
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## Procedures and Reference Document LER

Number of items: 0

Percent of total: 0

## Training IR

Number of items: 14

Percent of total: 7.61

05-Individual knowl	G-Engineering	M-Maint / Repair	50-456/1996016
02-Training LTA	T-Training	Q-Fire Protection	50-456/1996016
03-Training process	T-Training	Q-Fire Protection	50-456/1996016
02-Training LTA	O-Operations	U-Unknown	50-456/1996018
01-No Training	O-Operations	U-Unknown	50-456/1996018
05-Individual knowl	O-Operations	U-Unknown	50-456/1996019
02-Training LTA	O-Operations	U-Unknown	50-456/1996021
05-Individual knowl	M-Mechanical	U-Unknown	50-456/1996021
05-Individual knowl	G-Engineering	U-Unknown	50-456/1996021
05-Individual knowl	M-Mechanical	M-Maint / Repair	50-456/1997002
05-Individual knowl	G-Engineering	S-Surveillance	50-456/1997007

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## Training IR

Number of items: 14

Percent of Total: 7.61

05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-456/1997009
02-Training LTA	T-Training	O-Control Room Ops	50-456/1997014
05-Individual knowl	G-Engineering	G-Design	50-456/1997016

## Training ER

Number of items: 5

Percent of total: 2.72

02-Training LTA	T-Training	Z-Other	50-456/1997310
02-Training LTA	T-Training	Z-Other	50-456/1997310
02-Training LTA	T-Training	Z-Other	50-456/1997310
02-Training LTA	T-Training	Z-Other	50-456/1997310
06-Simulator fideli	T-Training	Z-Other	50-456/1997310

## Training LER

Number of items: 0

Percent of total: 0

## Work Factors IR

Number of items: 91

Percent of total: 49.46

83-Work practice or	M-Mechanical	M-Maint / Repair	50-456/1996016
87-Non-conservati	M-Mechanical	S-Surveillance	50-456/1996016
84-Non-conserv. dec	G-Engineering	G-Design	50-456/1996016
83-Work practice or	M-Mechanical	M-Maint / Repair	50-456/1996016
93-Awareness or att	G-Engineering	G-Design	50-456/1996016
82-Briefing, prep.	O-Operations	U-Unknown	50-456/1996018
84-Non-conserv. dec	O-Operations	U-Unknown	50-456/1996018
83-Work practice or	O-Operations	U-Unknown	50-456/1996019
83-Work practice or	I-Instrumentation &	U-Unknown	50-456/1996019
84-Non-conserv. dec	O-Operations	U-Unknown	50-456/1996019
84-Non-conserv. dec	E-Electrical	U-Unknown	50-456/1996019
87-Non-conservati	O-Operations	U-Unknown	50-456/1996019
87-Non-conservati	M-Mechanical	U-Unknown	50-456/1996019

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81-Work Package Qua	M-Mechanical	U-Unknown	50-456/1996021
83-Work practice or	M-Mechanical	U-Unknown	50-456/1996021
87-Non-conservati	H-Health Physics	U-Unknown	50-456/1996021
81-Work Package Qua	H-Health Physics	U-Unknown	50-456/1996021
84-Non-conserv. dec	M-Mechanical	U-Unknown	50-456/1996021
87-Non-conservati	I-Instrumentation &	U-Unknown	50-456/1996021
87-Non-conservati	M-Mechanical	U-Unknown	50-456/1996021
87-Non-conservati	H-Health Physics	U-Unknown	50-456/1996021
87-Non-conservati	H-Health Physics	U-Unknown	50-456/1996021
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-456/1997002
84-Non-conserv. dec	Z-Other	M-Maint / Repair	50-456/1997002
84-Non-conserv. dec	Z-Other	M-Maint / Repair	50-456/1997002
87-Non-conservati	C-Chemistry	U-Unknown	50-456/1997003
87-Non-conservati	O-Operations	U-Unknown	50-456/1997003
87-Non-conservati	C-Chemistry	U-Unknown	50-456/1997003
93-Awareness or att	O-Operations	O-Control Room Ops	50-456/1997005
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-456/1997005

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## Work Factors IR

Number of items: 91

Percent of Total: 49.46

89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-456/1997007
83-Work practice or	M-Mechanical	M-Maint / Repair	50-456/1997007
83-Work practice or	M-Mechanical	M-Maint / Repair	50-456/1997007
93-Awareness or att	M-Mechanical	T-Testing	50-456/1997007
83-Work practice or	G-Engineering	S-Surveillance	50-456/1997007
83-Work practice or	G-Engineering	S-Surveillance	50-456/1997007
83-Work practice or	M-Mechanical	Q-Fire Protection	50-456/1997007
83-Work practice or	U-Unknown	Q-Fire Protection	50-456/1997007
91-Verification / p	O-Operations	K-Housekeeping	50-456/1997009
81-Work Package Qua	W-Work Control / Sc	B-Bal of Plant Ops	50-456/1997009
82-Briefing, prep.	O-Operations	B-Bal of Plant Ops	50-456/1997009
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-456/1997009
81-Work Package Qua	G-Engineering	G-Design	50-456/1997009
84-Non-conserv. dec	G-Engineering	G-Design	50-456/1997009
83-Work practice or	U-Unknown	H-Health Physics	50-456/1997009
83-Work practice or	G-Engineering	S-Surveillance	50-456/1997010
81-Work Package Qua	G-Engineering	F-Modification	50-456/1997012
93-Awareness or att	G-Engineering	G-Design	50-456/1997012
83-Work practice or	G-Engineering	G-Design	50-456/1997012
91-Verification / p	G-Engineering	Z-Other	50-456/1997012
91-Verification / p	G-Engineering	Z-Other	50-456/1997012
91-Verification / p	G-Engineering	Z-Other	50-456/1997012
83-Work practice or	G-Engineering	S-Surveillance	50-456/1997012
93-Awareness or att	O-Operations	S-Surveillance	50-456/1997012
91-Verification / p	O-Operations	A-Administrative	50-456/1997012
91-Verification / p	G-Engineering	A-Administrative	50-456/1997012
83-Work practice or	G-Engineering	S-Surveillance	50-456/1997012
83-Work practice or	G-Engineering	S-Surveillance	50-456/1997012
83-Work practice or	G-Engineering	G-Design	50-456/1997012
83-Work practice or	G-Engineering	G-Design	50-456/1997012
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-456/1997012
83-Work practice or	G-Engineering	A-Administrative	50-456/1997012
93-Awareness or att	G-Engineering	A-Administrative	50-456/1997012
93-Awareness or att	W-Work Control / Sc	A-Administrative	50-456/1997012
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-456/1997012
83-Work practice or	E-Electrical	M-Maint / Repair	50-456/1997012
84-Non-conserv. dec	B-Plant Management	A-Administrative	50-456/1997012
83-Work practice or	O-Operations	O-Control Room Ops	50-456/1997013
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-456/1997013
93-Awareness or att	Z-Other	Z-Other	50-456/1997013
92-Self check LTA	O-Operations	S-Surveillance	50-456/1997015
93-Awareness or att	O-Operations	S-Surveillance	50-456/1997015
84-Non-conserv. dec	G-Engineering	V-Troubleshooting	50-456/1997015
84-Non-conserv. dec	G-Engineering	T-Testing	50-456/1997015
93-Awareness or att	G-Engineering	T-Testing	50-456/1997015
93-Awareness or att	G-Engineering	A-Administrative	50-456/1997015
93-Awareness or att	G-Engineering	A-Administrative	50-456/1997015
93-Awareness or att	G-Engineering	A-Administrative	50-456/1997015
83-Work practice or	Z-Other	A-Administrative	50-456/1997016
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-456/1997016

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Work Factors IR			
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83-Work practice or E-Electrical		M-Maint / Repair	50-456/1997016
83-Work practice or M-Mechanical		M-Maint / Repair	50-456/1997016
83-Work practice or G-Engineering		G-Design	50-456/1997016
83-Work practice or G-Engineering		G-Design	50-456/1997016
83-Work practice or U-Unknown		H-Health Physics	50-456/1997016
83-Work practice or U-Unknown		Q-Fire Protection	50-456/1997016
83-Work practice or U-Unknown		Q-Fire Protection	50-456/1997016
83-Work practice or U-Unknown		Q-Fire Protection	50-456/1997016
83-Work practice or U-Unknown		Q-Fire Protection	50-456/1997016
83-Work practice or U-Unknown		Q-Fire Protection	50-456/1997016
83-Work practice or U-Unknown		Q-Fire Protection	50-456/1997016

Work Factors ER			
Number of items: 1			
Percent of total: .54			
83-Work practice or T-Training		Z-Other	50-456/1997310

Work Factors LER  
Number of items: 0  
Percent of total: 0

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**[End of File for Plant Docket 456 (1997)]**

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