

1998 Human Factors Information System Report for Plant Docket 334

Combined IR/ER/LER Report
Docket: 50-334 BEAVER VALLEY 1

Total Number of Hits in Date Range: 182
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: 1.65			
53-Communication LT	I-Instrumentation & I-Instrumentation &	C-Calibration	50-334/1997011
53-Communication LT	G-Engineering	G-Design	50-334/1997011
53-Communication LT	G-Engineering		
53-Communication LT	O-Operations	O-Control Room Ops	50-334/1998004
	O-Operations		

Communications ER
Number of items: 0
Percent of total: 0

Communications LER
Number of items: 1
Percent of total: .55

54-No communication	I-Instrumentation & I-Instrumentation &	C-Calibration	50-334/199800200
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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: 24
Percent of total: 13.19

44-Corrective Actio	D-Emergency Plannin	Z-Other	50-334/1997009
32-Supervision / co	O-Operations	O-Control Room Ops	50-334/1997011
32-Supervision / co	I-Instrumentation &	C-Calibration	50-334/1997011
33-Management expec	O-Operations	P-Procedure Dev	50-334/1998001
32-Supervision / co	O-Operations	P-Procedure Dev	50-334/1998001
33-Management expec	W-Work Control / Sc	M-Maint / Repair	50-334/1998001
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-334/1998001
36-Scheduling and p	W-Work Control / Sc	T-Testing	50-334/1998001
41-Action not begun	G-Engineering	Z-Other	50-334/1998001
41-Action not begun	G-Engineering	Z-Other	50-334/1998001
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-334/1998002
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-334/1998002
40-Individual Corre	O-Operations	Z-Other	50-334/1998003
44-Corrective Actio	O-Operations	Z-Other	50-334/1998003
32-Supervision / co	Z-Other	P-Procedure Dev	50-334/1998003
32-Supervision / co	G-Engineering	F-Modification	50-334/1998003

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Management and Supervision IR			
Number of items: 24			
Percent of Total: 13.19			
40-Individual Corre	G-Engineering	Z-Other	50-334/1998003
47-Root Cause LTA	O-Operations	Z-Other	50-334/1998004

40-Individual Corre	O-Operations	Z-Other	50-334/1998004
33-Management expec	O-Operations	Z-Other	50-334/1998004
32-Supervision / co	O-Operations	T-Testing	50-334/1998004
41-Action not begun	G-Engineering	Z-Other	50-334/1998004
40-Individual Corre	G-Engineering	Z-Other	50-334/1998080
33-Management expec	G-Engineering	A-Administrative	50-334/1998080

Management and Supervision ER

Number of items: 0

Percent of total: 0

Management and Supervision LER

Number of items: 5

Percent of total: 2.75

48-Audits or proble	O-Operations	B-Bal of Plant Ops	50-334/199801000
48-Audits or proble	G-Engineering	G-Design	50-334/199801100
48-Audits or proble	O-Operations	B-Bal of Plant Ops	50-334/199801100
32-Supervision / co	B-Plant Management	A-Administrative	50-334/199801900
41-Action not begun	O-Operations	T-Testing	50-334/199802601

Organizational Issues IR

Number of items: 4

Percent of total: 2.2

28-Frequent use of	O-Operations	O-Control Room Ops	50-334/1997011
28-Frequent use of	O-Operations	O-Control Room Ops	50-334/1997011
28-Frequent use of	O-Operations	B-Bal of Plant Ops	50-334/1997011
21-Staffing LTA	G-Engineering	G-Design	50-334/1998080

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: 30

Percent of total: 16.48

12-Procedure techni	G-Engineering	G-Design	50-334/1997009
13-Procedure has hu	G-Engineering	M-Maint / Repair	50-334/1997009
11-No procedure / r	D-Emergency Plannin	D-Emergency Drill	50-334/1997009
12-Procedure techni	G-Engineering	G-Design	50-334/1997011
12-Procedure techni	G-Engineering	G-Design	50-334/1998001
12-Procedure techni	G-Engineering	G-Design	50-334/1998001
13-Procedure has hu	G-Engineering	G-Design	50-334/1998001
12-Procedure techni	G-Engineering	G-Design	50-334/1998001
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-334/1998002

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Procedures and Reference Document IR

Number of items: 30

Percent of Total: 16.48

12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-334/1998002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-334/1998002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-334/1998002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-334/1998002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-334/1998002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-334/1998002
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-334/1998002
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-334/1998002
12-Procedure techni	G-Engineering	G-Design	50-334/1998003
12-Procedure techni	G-Engineering	G-Design	50-334/1998003
12-Procedure techni	G-Engineering	G-Design	50-334/1998003
12-Procedure techni	G-Engineering	G-Design	50-334/1998003
12-Procedure techni	G-Engineering	G-Design	50-334/1998003
12-Procedure techni	G-Engineering	G-Design	50-334/1998003
12-Procedure techni	H-Health Physics	P-Procedure Dev	50-334/1998003
12-Procedure techni	H-Health Physics	P-Procedure Dev	50-334/1998003
12-Procedure techni	H-Health Physics	P-Procedure Dev	50-334/1998003
12-Procedure techni	H-Health Physics	P-Procedure Dev	50-334/1998003
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-334/1998004
12-Procedure techni	G-Engineering	G-Design	50-334/1998004

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13-Procedure has hu G-Engineering G-Design 50-334/1998080

Procedures and Reference Document ER

Number of items: 1

Percent of total: .55

12-Procedure techni P-Procedure Writers P-Procedure Dev 50-334/1998300

Procedures and Reference Document LER

Number of items: 18

Percent of total: 9.89

12-Procedure techni I-Instrumentation & C-Calibration 50-334/199800200
 12-Procedure techni E-Electrical S-Surveillance 50-334/199800600
 12-Procedure techni E-Electrical S-Surveillance 50-334/199800600
 14-Document develop E-Electrical S-Surveillance 50-334/199800700
 14-Document develop E-Electrical S-Surveillance 50-334/199800700
 14-Document develop E-Electrical S-Surveillance 50-334/199800800
 14-Document develop E-Electrical S-Surveillance 50-334/199800801
 14-Document develop E-Electrical S-Surveillance 50-334/199801000
 12-Procedure techni M-Mechanical M-Maint / Repair 50-334/199801200
 14-Document develop I-Instrumentation & S-Surveillance 50-334/199801300
 14-Document develop O-Operations O-Control Room Ops 50-334/199801400
 14-Document develop O-Operations O-Control Room Ops 50-334/199801400
 12-Procedure techni O-Operations O-Control Room Ops 50-334/199801400
 12-Procedure techni I-Instrumentation & S-Surveillance 50-334/199801700
 11-No procedure / r E-Electrical T-Testing 50-334/199801900
 12-Procedure techni M-Mechanical T-Testing 50-334/199802600
 11-No procedure / r O-Operations T-Testing 50-334/199802601
 12-Procedure techni O-Operations T-Testing 50-334/199802601

Training IR

Number of items: 4

Percent of total: 2.2

02-Training LTA T-Training Z-Other 50-334/1997010
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Training IR

Number of items: 4

Percent of Total: 2.2

02-Training LTA	T-Training	Z-Other	50-334/1998001
02-Training LTA	T-Training	O-Control Room Ops	50-334/1998003
02-Training LTA	T-Training	O-Control Room Ops	50-334/1998004

Training ER

Number of items: 2

Percent of total: 1.1

02-Training LTA	T-Training	Z-Other	50-334/1997010
02-Training LTA	T-Training	Z-Other	50-334/1998300

Training LER

Number of items: 12

Percent of total: 6.59

02-Training LTA	M-Mechanical	M-Maint / Repair	50-334/199801200
02-Training LTA	G-Engineering	M-Maint / Repair	50-334/199801200
02-Training LTA	O-Operations	M-Maint / Repair	50-334/199801200
02-Training LTA	M-Mechanical	M-Maint / Repair	50-334/199801200
02-Training LTA	O-Operations	O-Control Room Ops	50-334/199801400
01-No Training	O-Operations	O-Control Room Ops	50-334/199801401
02-Training LTA	O-Operations	S-Surveillance	50-334/199801700
02-Training LTA	P-Procedure Writers	P-Procedure Dev	50-334/199801800
02-Training LTA	O-Operations	P-Procedure Dev	50-334/199801800
02-Training LTA	O-Operations	T-Testing	50-334/199802601
01-No Training	O-Operations	P-Procedure Dev	50-334/199802700
01-No Training	O-Operations	P-Procedure Dev	50-334/199802700

Work Factors IR

Number of items: 69

Percent of total: 37.91

93-Awareness or att	E-Electrical	S-Surveillance	50-334/1997009
83-Work practice or	D-Emergency Plannin	A-Administrative	50-334/1997009
93-Awareness or att	D-Emergency Plannin	A-Administrative	50-334/1997009
85-Team interaction	B-Plant Management	A-Administrative	50-334/1997011
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-334/1997011
82-Briefing, prep.	O-Operations	A-Administrative	50-334/1997011

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82-Briefing, prep.	O-Operations	A-Administrative	50-334/1997011
83-Work practice or	O-Operations	A-Administrative	50-334/1997011
92-Self check LTA	I-Instrumentation &	C-Calibration	50-334/1997011
92-Self check LTA	I-Instrumentation &	C-Calibration	50-334/1997011
91-Verification / p	I-Instrumentation &	C-Calibration	50-334/1997011
91-Verification / p	O-Operations	C-Calibration	50-334/1997011
91-Verification / p	O-Operations	C-Calibration	50-334/1997011
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-334/1998001
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-334/1998001
93-Awareness or att	M-Mechanical	A-Administrative	50-334/1998001
86-Work untimely	M-Mechanical	A-Administrative	50-334/1998001
86-Work untimely	M-Mechanical	A-Administrative	50-334/1998001
83-Work practice or	G-Engineering	G-Design	50-334/1998001
81-Work Package Qua	G-Engineering	G-Design	50-334/1998001
81-Work Package Qua	G-Engineering	F-Modification	50-334/1998001

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Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 69			
Percent of Total: 37.91			
93-Awareness or att	P-Procedure Writers	A-Administrative	50-334/1998002
93-Awareness or att	O-Operations	O-Control Room Ops	50-334/1998002
93-Awareness or att	O-Operations	S-Surveillance	50-334/1998003
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-334/1998003
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-334/1998003
84-Non-conserv. dec	O-Operations	T-Testing	50-334/1998003
84-Non-conserv. dec	O-Operations	T-Testing	50-334/1998003
93-Awareness or att	O-Operations	S-Surveillance	50-334/1998003
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-334/1998003
93-Awareness or att	O-Operations	M-Maint / Repair	50-334/1998003
93-Awareness or att	P-Procedure Writers	A-Administrative	50-334/1998003
93-Awareness or att	P-Procedure Writers	A-Administrative	50-334/1998003
86-Work untimely	P-Procedure Writers	A-Administrative	50-334/1998003
85-Team interaction	Z-Other	P-Procedure Dev	50-334/1998003
88-Tag outs LTA	I-Instrumentation &	M-Maint / Repair	50-334/1998003
88-Tag outs LTA	M-Mechanical	M-Maint / Repair	50-334/1998003
88-Tag outs LTA	E-Electrical	M-Maint / Repair	50-334/1998003
81-Work Package Qua	G-Engineering	F-Modification	50-334/1998003
81-Work Package Qua	G-Engineering	F-Modification	50-334/1998003
85-Team interaction	G-Engineering	F-Modification	50-334/1998003
84-Non-conserv. dec	G-Engineering	Z-Other	50-334/1998003
81-Work Package Qua	G-Engineering	F-Modification	50-334/1998003
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-334/1998004
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-334/1998004
93-Awareness or att	O-Operations	Z-Other	50-334/1998004
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-334/1998004
82-Briefing, prep.	G-Engineering	F-Modification	50-334/1998004
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-334/1998004
83-Work practice or	M-Mechanical	V-Troubleshooting	50-334/1998004
84-Non-conserv. dec	O-Operations	T-Testing	50-334/1998004
83-Work practice or	M-Mechanical	V-Troubleshooting	50-334/1998004
85-Team interaction	M-Mechanical	V-Troubleshooting	50-334/1998004
91-Verification / p	G-Engineering	P-Procedure Dev	50-334/1998004
91-Verification / p	G-Engineering	P-Procedure Dev	50-334/1998004
83-Work practice or	G-Engineering	G-Design	50-334/1998004
83-Work practice or	G-Engineering	G-Design	50-334/1998004
83-Work practice or	G-Engineering	A-Administrative	50-334/1998080
83-Work practice or	O-Operations	A-Administrative	50-334/1998080
86-Work untimely	G-Engineering	G-Design	50-334/1998080
81-Work Package Qua	G-Engineering	G-Design	50-334/1998080
83-Work practice or	G-Engineering	G-Design	50-334/1998080
83-Work practice or	G-Engineering	G-Design	50-334/1998080
84-Non-conserv. dec	G-Engineering	G-Design	50-334/1998080
83-Work practice or	G-Engineering	P-Procedure Dev	50-334/1998080
83-Work practice or	G-Engineering	G-Design	50-334/1998080
83-Work practice or	G-Engineering	A-Administrative	50-334/1998080
83-Work practice or	G-Engineering	A-Administrative	50-334/1998080
83-Work practice or	G-Engineering	G-Design	50-334/1998080

Work Factors ER
Number of items: 1
Percent of total: .55
93-Awareness or att T-Training A-Administrative 50-334/1998300

Work Factors LER

Number of items: 8

Percent of total: 4.4

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Work Factors LER

Number of items: 8

Percent of Total: 4.4

92-Self check LTA	I-Instrumentation &	C-Calibration	50-334/199800200
81-Work Package Qua	O-Operations	O-Control Room Ops	50-334/199800200
84-Non-conserv. dec	Z-Other	P-Procedure Dev	50-334/199800900
83-Work practice or	I-Instrumentation &	P-Procedure Dev	50-334/199802300
83-Work practice or	I-Instrumentation &	P-Procedure Dev	50-334/199802300
83-Work practice or	I-Instrumentation &	P-Procedure Dev	50-334/199802300
83-Work practice or	I-Instrumentation &	G-Design	50-334/199802300
84-Non-conserv. dec	O-Operations	T-Testing	50-334/199802601

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