

# 1999 Human Factors Information System Report for Plant Docket 346

Combined IR/ER/LER Report  
Docket: 50-346 DAVIS-BESSE

Total Number of Hits in Date Range: 134  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 5			
Percent of total: 3.73			
54-No communication	G-Engineering G-Engineering	T-Testing	50-346/1999001
53-Communication LT	O-Operations O-Operations	B-Bal of Plant Ops	50-346/1999004
53-Communication LT	O-Operations O-Operations	B-Bal of Plant Ops	50-346/1999004
54-No communication	C-Chemistry C-Chemistry	B-Bal of Plant Ops	50-346/1999011
54-No communication	O-Operations O-Operations	B-Bal of Plant Ops	50-346/1999011
Communications ER			
Number of items: 2			
Percent of total: 1.49			
53-Communication LT	O-Operations O-Operations	Z-Other	50-346/1999301
53-Communication LT	O-Operations O-Operations	Z-Other	50-346/1999301
Communications LER			
Number of items: 1			
Percent of total: .75			
51-Misunderstood /	Z-Other Z-Other	Z-Other	50-346/199900400

Details	Department	Work Type	Docket/Report
Human-System Interface and Environm IR			
Number of items: 6			
Percent of total: 4.48			
72-Lighting LTA	O-Operations	O-Control Room Ops	50-346/1999004
71-Temperature / Hu	O-Operations	B-Bal of Plant Ops	50-346/1999010
62-Information orga	O-Operations	B-Bal of Plant Ops	50-346/1999011
62-Information orga	O-Operations	B-Bal of Plant Ops	50-346/1999011
62-Information orga	O-Operations	B-Bal of Plant Ops	50-346/1999011
76-Postings LTA	H-Health Physics	D-Emergency Drill	50-346/1999011

Details	Department	Work Type	Docket/Report
Human-System Interface and Environm ER			
Number of items: 0			
Percent of total: 0			

Details	Department	Work Type	Docket/Report
Human-System Interface and Environm LER			
Number of items: 0			
Percent of total: 0			

Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 9			
Percent of total: 6.72			
36-Scheduling and p	B-Plant Management	M-Maint / Repair	50-346/1999001
33-Management expec	B-Plant Management	M-Maint / Repair	50-346/1999001

Page: 1      Date:03/17/2000

Combined IR/ER/LER Report  
Docket: 50-346 DAVIS-BESSE

Total Number of Hits in Date Range: 134  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 9			
Percent of Total: 6.72			
33-Management expec	O-Operations	O-Control Room Ops	50-346/1999004
32-Supervision / co	I-Instrumentation &	T-Testing	50-346/1999004

## Human Factors Information System Report

44-Corrective Actio	G-Engineering	A-Administrative	50-346/1999004
48-Audits or proble	Z-Other	Z-Other	50-346/1999010
41-Action not begun	G-Engineering	Z-Other	50-346/1999010
47-Root Cause LTA	O-Operations	S-Surveillance	50-346/1999011
34-Perceived pressu	I-Instrumentation &	C-Calibration	50-346/1999011

## Management and Supervision ER

Number of items: 1  
 Percent of total: .75  
 32-Supervision / co T-Training Z-Other 50-346/1999301

## Management and Supervision LER

Number of items: 2  
 Percent of total: 1.49  
 32-Supervision / co O-Operations T-Testing 50-346/199900100  
 32-Supervision / co O-Operations O-Control Room Ops 50-346/199900500

## Organizational Issues IR

Number of items: 1  
 Percent of total: .75  
 27-Excessive hours I-Instrumentation & C-Calibration 50-346/1999011

## 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: 13  
 Percent of total: 9.7  
 11-No procedure / r P-Procedure Writers P-Procedure Dev 50-346/1998018  
 13-Procedure has hu G-Engineering G-Design 50-346/1998021  
 13-Procedure has hu O-Operations O-Control Room Ops 50-346/1999004  
 11-No procedure / r O-Operations T-Testing 50-346/1999004  
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-346/1999004  
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-346/1999008  
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-346/1999010  
 12-Procedure techni Z-Other Z-Other 50-346/1999010  
 12-Procedure techni P-Procedure Writers P-Procedure Dev 50-346/1999011  
 13-Procedure has hu G-Engineering G-Design 50-346/1999011  
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-346/1999017  
 12-Procedure techni Z-Other Z-Other 50-346/1999017  
 13-Procedure has hu Z-Other Z-Other 50-346/1999017

## 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: 1.49  
 12-Procedure techni O-Operations O-Control Room Ops 50-346/199900300

Page: 2 Date:03/17/2000

## Combined IR/ER/LER Report

Docket: 50-346 DAVIS-BESSE

Total Number of Hits in Date Range: 134

From 01/01/1999 to 12/31/1999

2x National Average: 226

Details	Department	Work Type	Docket/Report
---------	------------	-----------	---------------

## Procedures and Reference Document LER

Number of items: 2  
 Percent of Total: 1.49  
 11-No procedure / r O-Operations Z-Other 50-346/199900400

## Training IR

Number of items: 2  
 Percent of total: 1.49  
 05-Individual knowl I-Instrumentation & T-Testing 50-346/1999001  
 05-Individual knowl I-Instrumentation & T-Testing 50-346/1999001

## Training ER

Number of items: 7  
 Percent of total: 5.22  
 05-Individual knowl O-Operations Z-Other 50-346/1999301  
 05-Individual knowl O-Operations Z-Other 50-346/1999301

05-Individual knowl	O-Operations	Z-Other	50-346/1999301
02-Training LTA	T-Training	Z-Other	50-346/1999301
02-Training LTA	T-Training	Z-Other	50-346/1999301
02-Training LTA	T-Training	Z-Other	50-346/1999301
02-Training LTA	T-Training	Z-Other	50-346/1999301

## Training LER

Number of items: 3

Percent of total: 2.24

02-Training LTA	T-Training	O-Control Room Ops	50-346/199900400
02-Training LTA	O-Operations	O-Control Room Ops	50-346/199900400
02-Training LTA	O-Operations	O-Control Room Ops	50-346/199900400

## Work Factors IR

Number of items: 60

Percent of total: 44.78

84-Non-conserv. dec	G-Engineering	V-Troubleshooting	50-346/1998018
83-Work practice or	M-Mechanical	M-Maint / Repair	50-346/1998021
93-Awareness or att	O-Operations	M-Maint / Repair	50-346/1999001
93-Awareness or att	O-Operations	M-Maint / Repair	50-346/1999001
93-Awareness or att	O-Operations	M-Maint / Repair	50-346/1999001
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-346/1999001
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-346/1999001
84-Non-conserv. dec	O-Operations	T-Testing	50-346/1999001
83-Work practice or	O-Operations	T-Testing	50-346/1999001
93-Awareness or att	O-Operations	Q-Fire Protection	50-346/1999001
93-Awareness or att	O-Operations	Q-Fire Protection	50-346/1999001
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-346/1999004
91-Verification / p	O-Operations	T-Testing	50-346/1999004
82-Briefing, prep.	O-Operations	T-Testing	50-346/1999004
82-Briefing, prep.	I-Instrumentation &	T-Testing	50-346/1999004
83-Work practice or	O-Operations	T-Testing	50-346/1999004
83-Work practice or	G-Engineering	T-Testing	50-346/1999004
93-Awareness or att	U-Unknown	M-Maint / Repair	50-346/1999004
93-Awareness or att	G-Engineering	A-Administrative	50-346/1999004
93-Awareness or att	U-Unknown	Z-Other	50-346/1999004
81-Work Package Qua	G-Engineering	G-Design	50-346/1999004

Page: 3 Date:03/17/2000

## Combined IR/ER/LER Report

Docket: 50-346 DAVIS-BESSE

Total Number of Hits in Date Range: 134

From 01/01/1999 to 12/31/1999

2x National Average: 226

Details	Department	Work Type	Docket/Report
---------	------------	-----------	---------------

## Work Factors IR

Number of items: 60

Percent of Total: 44.78

92-Self check LTA	U-Unknown	B-Bal of Plant Ops	50-346/1999010
92-Self check LTA	U-Unknown	B-Bal of Plant Ops	50-346/1999010
92-Self check LTA	U-Unknown	B-Bal of Plant Ops	50-346/1999010
92-Self check LTA	U-Unknown	B-Bal of Plant Ops	50-346/1999010
92-Self check LTA	U-Unknown	B-Bal of Plant Ops	50-346/1999010
93-Awareness or att	O-Operations	O-Control Room Ops	50-346/1999010
93-Awareness or att	O-Operations	O-Control Room Ops	50-346/1999010
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-346/1999010
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-346/1999010
93-Awareness or att	O-Operations	O-Control Room Ops	50-346/1999010
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-346/1999010
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-346/1999010
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-346/1999010
93-Awareness or att	O-Operations	O-Control Room Ops	50-346/1999010
84-Non-conserv. dec	G-Engineering	G-Design	50-346/1999010
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-346/1999011
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-346/1999011
93-Awareness or att	O-Operations	O-Control Room Ops	50-346/1999011
93-Awareness or att	O-Operations	O-Control Room Ops	50-346/1999011
93-Awareness or att	O-Operations	O-Control Room Ops	50-346/1999011
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-346/1999011
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-346/1999011
83-Work practice or	I-Instrumentation &	C-Calibration	50-346/1999011
93-Awareness or att	I-Instrumentation &	V-Troubleshooting	50-346/1999011
92-Self check LTA	I-Instrumentation &	V-Troubleshooting	50-346/1999011
85-Team interaction	O-Operations	M-Maint / Repair	50-346/1999011
85-Team interaction	M-Mechanical	M-Maint / Repair	50-346/1999011
85-Team interaction	G-Engineering	M-Maint / Repair	50-346/1999011
84-Non-conserv. dec	G-Engineering	V-Troubleshooting	50-346/1999011
93-Awareness or att	C-Chemistry	B-Bal of Plant Ops	50-346/1999011
93-Awareness or att	C-Chemistry	B-Bal of Plant Ops	50-346/1999011

## Human Factors Information System Report

82-Briefing, prep.	O-Operations	B-Bal of Plant Ops	50-346/1999011
82-Briefing, prep.	C-Chemistry	B-Bal of Plant Ops	50-346/1999011
82-Briefing, prep.	D-Emergency Plannin	D-Emergency Drill	50-346/1999011
84-Non-conserv. dec	I-Instrumentation &	T-Testing	50-346/1999017
93-Awareness or att	Z-Other	Z-Other	50-346/1999017
84-Non-conserv. dec	U-Unknown	Z-Other	50-346/1999017
83-Work practice or	Z-Other	Z-Other	50-346/1999017
93-Awareness or att	Z-Other	A-Administrative	50-346/1999017

## Work Factors ER

Number of items: 10

Percent of total: 7.46

93-Awareness or att	T-Training	Z-Other	50-346/1999301
93-Awareness or att	T-Training	Z-Other	50-346/1999301
93-Awareness or att	T-Training	Z-Other	50-346/1999301
93-Awareness or att	T-Training	Z-Other	50-346/1999301
93-Awareness or att	T-Training	Z-Other	50-346/1999301
93-Awareness or att	O-Operations	Z-Other	50-346/1999301
93-Awareness or att	O-Operations	Z-Other	50-346/1999301

Page: 4 Date:03/17/2000

## Combined IR/ER/LER Report

Docket: 50-346 DAVIS-BESSE

Total Number of Hits in Date Range: 134

From 01/01/1999 to 12/31/1999

2x National Average: 226

Details	Department	Work Type	Docket/Report
---------	------------	-----------	---------------

## Work Factors ER

Number of items: 10

Percent of Total: 7.46

93-Awareness or att	O-Operations	Z-Other	50-346/1999301
84-Non-conserv. dec	G-Engineering	Z-Other	50-346/1999301
84-Non-conserv. dec	G-Engineering	Z-Other	50-346/1999301

## Work Factors LER

Number of items: 10

Percent of total: 7.46

83-Work practice or	M-Mechanical	M-Maint / Repair	50-346/199800901
92-Self check LTA	O-Operations	T-Testing	50-346/199900100
87-Non-conservative	O-Operations	T-Testing	50-346/199900100
82-Briefing, prep.	O-Operations	T-Testing	50-346/199900100
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-346/199900300
87-Non-conservative	T-Training	Z-Other	50-346/199900400
87-Non-conservative	T-Training	Z-Other	50-346/199900400
83-Work practice or	O-Operations	O-Control Room Ops	50-346/199900500
83-Work practice or	O-Operations	O-Control Room Ops	50-346/199900500
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-346/199900500

Page: 5 Date:03/17/2000

[End of File for Plant Docket 346 (1999)]