

1998 Human Factors Information System Report for Plant Docket 265

Combined IR/ER/LER Report
Docket: 50-265 QUAD CITIES 2

Total Number of Hits in Date Range: 251
From 01/01/1998 to 12/31/1998
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 8			
Percent of total: 3.19			
51-Misunderstood /	D-Emergency Plannin	V-Troubleshooting	50-265/1997026
	D-Emergency Plannin		
53-Communication LT	O-Operations	O-Control Room Ops	50-265/1998009
	O-Operations		
53-Communication LT	O-Operations	M-Maint / Repair	50-265/1998009
	O-Operations		
55-Communication Eq	D-Emergency Plannin	D-Emergency Drill	50-265/1998011
	D-Emergency Plannin		
53-Communication LT	Z-Other	A-Administrative	50-265/1998012
	Z-Other		
53-Communication LT	O-Operations	D-Emergency Drill	50-265/1998014
	O-Operations		
53-Communication LT	O-Operations	D-Emergency Drill	50-265/1998014
	O-Operations		
55-Communication Eq	O-Operations	D-Emergency Drill	50-265/1998014
	O-Operations		
Communications ER			
Number of items: 1			
Percent of total: .4			
53-Communication LT	T-Training	Z-Other	50-265/1998303
	T-Training		
Communications LER			
Number of items: 1			
Percent of total: .4			
53-Communication LT	G-Engineering	G-Design	50-254/199801600
	G-Engineering		
Human-System Interface and Environm IR			
Number of items: 2			
Percent of total: .8			
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-265/1997022
72-Lighting LTA	D-Emergency Plannin	D-Emergency Drill	50-265/1997026
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: 54			
Percent of total: 21.51			
33-Management expec	B-Plant Management	Q-Fire Protection	50-265/1997023
32-Supervision / co	G-Engineering	Q-Fire Protection	50-265/1997023
Page: 1	Date:01/13/1999		

Combined IR/ER/LER Report
Docket: 50-265 QUAD CITIES 2

Total Number of Hits in Date Range: 251
From 01/01/1998 to 12/31/1998
2x National Average: 255

Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 54			
Percent of Total: 21.51			
40-Individual Corre	B-Plant Management	Z-Other	50-265/1997023
40-Individual Corre	O-Operations	Z-Other	50-265/1997026

Human Factors Information System Report

40-Individual Corre	O-Operations	Z-Other	50-265/1997026
41-Action not begun	G-Engineering	Z-Other	50-265/1997026
43-Operating Experi	G-Engineering	P-Procedure Dev	50-265/1997026
47-Root Cause LTA	G-Engineering	Z-Other	50-265/1997026
47-Root Cause LTA	G-Engineering	Z-Other	50-265/1997026
40-Individual Corre	G-Engineering	T-Testing	50-265/1997026
41-Action not begun	G-Engineering	Z-Other	50-265/1997026
36-Scheduling and p	O-Operations	O-Control Room Ops	50-265/1997028
36-Scheduling and p	O-Operations	O-Control Room Ops	50-265/1997028
40-Individual Corre	O-Operations	Z-Other	50-265/1997028
40-Individual Corre	G-Engineering	Z-Other	50-265/1997028
47-Root Cause LTA	G-Engineering	Z-Other	50-265/1997028
47-Root Cause LTA	G-Engineering	Z-Other	50-265/1997028
47-Root Cause LTA	G-Engineering	Z-Other	50-265/1997028
41-Action not begun	G-Engineering	Z-Other	50-265/1997028
40-Individual Corre	G-Engineering	Z-Other	50-265/1997028
47-Root Cause LTA	O-Operations	Z-Other	50-265/1998004
40-Individual Corre	O-Operations	Z-Other	50-265/1998004
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-265/1998004
43-Operating Experi	G-Engineering	Z-Other	50-265/1998004
40-Individual Corre	G-Engineering	Z-Other	50-265/1998004
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-265/1998004
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-265/1998004
40-Individual Corre	G-Engineering	Z-Other	50-265/1998004
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-265/1998004
44-Corrective Actio	G-Engineering	Z-Other	50-265/1998004
43-Operating Experi	G-Engineering	Z-Other	50-265/1998004
33-Management expec	B-Plant Management	H-Health Physics	50-265/1998004
40-Individual Corre	I-Instrumentation &	Z-Other	50-265/1998004
33-Management expec	G-Engineering	A-Administrative	50-265/1998005
33-Management expec	B-Plant Management	G-Design	50-265/1998005
47-Root Cause LTA	O-Operations	Z-Other	50-265/1998009
40-Individual Corre	O-Operations	Z-Other	50-265/1998009
40-Individual Corre	O-Operations	A-Administrative	50-265/1998009
40-Individual Corre	P-Procedure Writers	P-Procedure Dev	50-265/1998009
40-Individual Corre	O-Operations	A-Administrative	50-265/1998009
40-Individual Corre	O-Operations	A-Administrative	50-265/1998009
47-Root Cause LTA	O-Operations	Z-Other	50-265/1998009
44-Corrective Actio	O-Operations	Z-Other	50-265/1998009
48-Audits or proble	Q-QA/QC	Z-Other	50-265/1998009
44-Corrective Actio	O-Operations	Z-Other	50-265/1998009
40-Individual Corre	Z-Other	Z-Other	50-265/1998009
48-Audits or proble	O-Operations	Z-Other	50-265/1998009
40-Individual Corre	E-Electrical	Z-Other	50-265/1998009
43-Operating Experi	H-Health Physics	H-Health Physics	50-265/1998009
40-Individual Corre	G-Engineering	G-Design	50-265/1998011
40-Individual Corre	G-Engineering	G-Design	50-265/1998011
40-Individual Corre	G-Engineering	Z-Other	50-265/1998011

Page: 2 Date:01/13/1999

Combined IR/ER/LER Report
Docket: 50-265 QUAD CITIES 2Total Number of Hits in Date Range: 251
From 01/01/1998 to 12/31/1998
2x National Average: 255

Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 54			
Percent of Total: 21.51			
42-No action planne	G-Engineering	Z-Other	50-265/1998011
41-Action not begun	G-Engineering	Z-Other	50-265/1998015
Management and Supervision ER			
Number of items: 0			
Percent of total: 0			
Management and Supervision LER			
Number of items: 5			
Percent of total: 1.99			
36-Scheduling and p	G-Engineering	S-Surveillance	50-254/199800500
33-Management expec	G-Engineering	S-Surveillance	50-254/199800500
32-Supervision / co	G-Engineering	S-Surveillance	50-254/199800500
40-Individual Corre	G-Engineering	S-Surveillance	50-254/199800500
32-Supervision / co	G-Engineering	G-Design	50-254/199801600
Organizational Issues IR			
Number of items: 3			
Percent of total: 1.2			
21-Staffing LTA	G-Engineering	Z-Other	50-265/1997026

21-Staffing LTA O-Operations Q-Fire Protection 50-265/1998011
 22-Poor Task Alloca G-Engineering G-Design 50-265/1998011

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: 46
 Percent of total: 18.33

12-Procedure techni	G-Engineering	G-Design	50-265/1997022
12-Procedure techni	G-Engineering	G-Design	50-265/1997022
13-Procedure has hu	G-Engineering	G-Design	50-265/1997022
13-Procedure has hu	G-Engineering	G-Design	50-265/1997022
13-Procedure has hu	G-Engineering	G-Design	50-265/1997022
13-Procedure has hu	G-Engineering	G-Design	50-265/1997022
12-Procedure techni	G-Engineering	G-Design	50-265/1997022
12-Procedure techni	G-Engineering	G-Design	50-265/1997022
12-Procedure techni	G-Engineering	G-Design	50-265/1997022
14-Document develop	G-Engineering	G-Design	50-265/1997023
12-Procedure techni	G-Engineering	G-Design	50-265/1997026
11-No procedure / r	G-Engineering	G-Design	50-265/1997026
12-Procedure techni	G-Engineering	G-Design	50-265/1997026
12-Procedure techni	G-Engineering	G-Design	50-265/1997028
12-Procedure techni	G-Engineering	G-Design	50-265/1998004
12-Procedure techni	G-Engineering	G-Design	50-265/1998004

Page: 3 Date:01/13/1999

Combined IR/ER/LER Report

Docket: 50-265 QUAD CITIES 2

Total Number of Hits in Date Range: 251

From 01/01/1998 to 12/31/1998

2x National Average: 255

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

Procedures and Reference Document IR

Number of items: 46
 Percent of Total: 18.33

12-Procedure techni	G-Engineering	G-Design	50-265/1998004
11-No procedure / r	G-Engineering	G-Design	50-265/1998004
12-Procedure techni	G-Engineering	G-Design	50-265/1998005
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998009
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-265/1998009
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998011
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998011
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998011
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-265/1998011
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998011
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-265/1998011
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998011
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-265/1998011
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-265/1998011
12-Procedure techni	G-Engineering	G-Design	50-265/1998011
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-265/1998012
12-Procedure techni	G-Engineering	G-Design	50-265/1998012
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998013
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-265/1998013
13-Procedure has hu	G-Engineering	G-Design	50-265/1998201
12-Procedure techni	G-Engineering	G-Design	50-265/1998201
13-Procedure has hu	G-Engineering	G-Design	50-265/1998201
11-No procedure / r	G-Engineering	G-Design	50-265/1998201
11-No procedure / r	G-Engineering	G-Design	50-265/1998201
12-Procedure techni	G-Engineering	G-Design	50-265/1998201
12-Procedure techni	G-Engineering	G-Design	50-265/1998201
12-Procedure techni	G-Engineering	G-Design	50-265/1998201
11-No procedure / r	G-Engineering	G-Design	50-265/1998201
12-Procedure techni	G-Engineering	G-Design	50-265/1998201

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: 1.2

Human Factors Information System Report

12-Procedure techni I-Instrumentation & T-Testing 50-265/199800600
 14-Document develop P-Procedure Writers S-Surveillance 50-254/199800500
 14-Document develop P-Procedure Writers P-Procedure Dev 50-254/199801400

Training IR

Number of items: 11
 Percent of total: 4.38
 05-Individual knowl Z-Other Q-Fire Protection 50-265/1997023
 03-Training process T-Training Z-Other 50-265/1997023
 06-Simulator fideli T-Training Z-Other 50-265/1997024
 03-Training process T-Training Z-Other 50-265/1997024
 05-Individual knowl O-Operations B-Bal of Plant Ops 50-265/1997026
 Page: 4 Date:01/13/1999

Combined IR/ER/LER Report

Docket: 50-265 QUAD CITIES 2

Total Number of Hits in Date Range: 251
 From 01/01/1998 to 12/31/1998
 2x National Average: 255

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

Training IR

Number of items: 11
 Percent of Total: 4.38
 05-Individual knowl M-Mechanical M-Maint / Repair 50-265/1997026
 01-No Training T-Training D-Emergency Drill 50-265/1997026
 02-Training LTA M-Mechanical M-Maint / Repair 50-265/1998004
 05-Individual knowl G-Engineering G-Design 50-265/1998011
 05-Individual knowl O-Operations G-Design 50-265/1998011
 05-Individual knowl G-Engineering G-Design 50-265/1998201

Training ER

Number of items: 2
 Percent of total: .8
 05-Individual knowl O-Operations Z-Other 50-265/1998303
 06-Simulator fideli T-Training Z-Other 50-265/1998303

Training LER

Number of items: 1
 Percent of total: .4
 02-Training LTA G-Engineering S-Surveillance 50-254/199800500

Work Factors IR

Number of items: 111
 Percent of total: 44.22
 81-Work Package Qua T-Training Z-Other 50-265/1997022
 83-Work practice or G-Engineering A-Administrative 50-265/1997022
 84-Non-conserv. dec G-Engineering G-Design 50-265/1997022
 83-Work practice or G-Engineering G-Design 50-265/1997022
 83-Work practice or G-Engineering G-Design 50-265/1997022
 93-Awareness or att G-Engineering G-Design 50-265/1997022
 83-Work practice or G-Engineering G-Design 50-265/1997022
 83-Work practice or G-Engineering G-Design 50-265/1997022
 81-Work Package Qua G-Engineering F-Modification 50-265/1997022
 83-Work practice or G-Engineering F-Modification 50-265/1997022
 84-Non-conserv. dec G-Engineering F-Modification 50-265/1997022
 83-Work practice or Q-QA/QC F-Modification 50-265/1997022
 83-Work practice or G-Engineering S-Surveillance 50-265/1997022
 83-Work practice or G-Engineering G-Design 50-265/1997022
 91-Verification / p G-Engineering G-Design 50-265/1997022
 83-Work practice or G-Engineering G-Design 50-265/1997022
 81-Work Package Qua G-Engineering G-Design 50-265/1997022
 81-Work Package Qua G-Engineering A-Administrative 50-265/1997022
 81-Work Package Qua G-Engineering G-Design 50-265/1997023
 84-Non-conserv. dec G-Engineering G-Design 50-265/1997023
 81-Work Package Qua G-Engineering Q-Fire Protection 50-265/1997023
 81-Work Package Qua G-Engineering G-Design 50-265/1997023
 83-Work practice or G-Engineering G-Design 50-265/1997023
 93-Awareness or att G-Engineering G-Design 50-265/1997023
 83-Work practice or G-Engineering G-Design 50-265/1997023
 83-Work practice or G-Engineering G-Design 50-265/1997023
 81-Work Package Qua G-Engineering G-Design 50-265/1997023
 81-Work Package Qua T-Training Z-Other 50-265/1997024
 93-Awareness or att O-Operations O-Control Room Ops 50-265/1997026
 Page: 5 Date:01/13/1999

Combined IR/ER/LER Report

Docket: 50-265 QUAD CITIES 2

Total Number of Hits in Date Range: 251
 From 01/01/1998 to 12/31/1998
 2x National Average: 255

Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 111			
Percent of Total: 44.22			
93-Awareness or att	O-Operations	O-Control Room Ops	50-265/1997026
83-Work practice or	G-Engineering	P-Procedure Dev	50-265/1997026
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-265/1997026
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-265/1997026
82-Briefing, prep.	O-Operations	B-Bal of Plant Ops	50-265/1997026
83-Work practice or	M-Mechanical	M-Maint / Repair	50-265/1997026
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-265/1997026
83-Work practice or	O-Operations	A-Administrative	50-265/1997026
83-Work practice or	M-Mechanical	A-Administrative	50-265/1997026
81-Work Package Qua	G-Engineering	P-Procedure Dev	50-265/1997026
83-Work practice or	G-Engineering	G-Design	50-265/1997026
86-Work untimely	E-Electrical	M-Maint / Repair	50-265/1997026
81-Work Package Qua	G-Engineering	G-Design	50-265/1997026
81-Work Package Qua	G-Engineering	F-Modification	50-265/1997026
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-265/1997026
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-265/1997026
84-Non-conserv. dec	E-Electrical	M-Maint / Repair	50-265/1997026
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-265/1997026
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-265/1997026
83-Work practice or	T-Training	Z-Other	50-265/1997026
92-Self check LTA	O-Operations	B-Bal of Plant Ops	50-265/1997028
92-Self check LTA	O-Operations	B-Bal of Plant Ops	50-265/1997028
91-Verification / p	G-Engineering	G-Design	50-265/1997028
94-Log-keeping or r	O-Operations	A-Administrative	50-265/1997028
83-Work practice or	E-Electrical	M-Maint / Repair	50-265/1997028
83-Work practice or	E-Electrical	A-Administrative	50-265/1997028
83-Work practice or	W-Work Control / Sc	A-Administrative	50-265/1997028
91-Verification / p	M-Mechanical	M-Maint / Repair	50-265/1997028
83-Work practice or	M-Mechanical	A-Administrative	50-265/1997028
83-Work practice or	G-Engineering	G-Design	50-265/1997028
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-265/1998004
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-265/1998004
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-265/1998004
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-265/1998004
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-265/1998004
83-Work practice or	G-Engineering	P-Procedure Dev	50-265/1998004
81-Work Package Qua	G-Engineering	M-Maint / Repair	50-265/1998004
91-Verification / p	G-Engineering	P-Procedure Dev	50-265/1998004
81-Work Package Qua	G-Engineering	G-Design	50-265/1998004
93-Awareness or att	G-Engineering	G-Design	50-265/1998004
83-Work practice or	G-Engineering	G-Design	50-265/1998004
83-Work practice or	G-Engineering	G-Design	50-265/1998004
82-Briefing, prep.	G-Engineering	G-Design	50-265/1998004
83-Work practice or	G-Engineering	F-Modification	50-265/1998004
83-Work practice or	G-Engineering	G-Design	50-265/1998005
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-265/1998008
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-265/1998008
83-Work practice or	O-Operations	M-Maint / Repair	50-265/1998009
83-Work practice or	G-Engineering	M-Maint / Repair	50-265/1998009
86-Work untimely	W-Work Control / Sc	A-Administrative	50-265/1998009

Page: 6 Date:01/13/1999

Combined IR/ER/LER Report
 Docket: 50-265 QUAD CITIES 2

Total Number of Hits in Date Range: 251
 From 01/01/1998 to 12/31/1998
 2x National Average: 255

Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 111			
Percent of Total: 44.22			
83-Work practice or	O-Operations	Z-Other	50-265/1998009
83-Work practice or	E-Electrical	M-Maint / Repair	50-265/1998009
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-265/1998009
88-Tag outs LTA	I-Instrumentation &	M-Maint / Repair	50-265/1998009
88-Tag outs LTA	I-Instrumentation &	M-Maint / Repair	50-265/1998009
81-Work Package Qua	G-Engineering	G-Design	50-265/1998009
93-Awareness or att	C-Chemistry	B-Bal of Plant Ops	50-265/1998009
84-Non-conserv. dec	G-Engineering	Q-Fire Protection	50-265/1998011
84-Non-conserv. dec	G-Engineering	Q-Fire Protection	50-265/1998011

81-Work Package Qua	G-Engineering	Q-Fire Protection	50-265/1998011
84-Non-conserv. dec	O-Operations	Q-Fire Protection	50-265/1998011
93-Awareness or att	G-Engineering	Q-Fire Protection	50-265/1998011
93-Awareness or att	G-Engineering	A-Administrative	50-265/1998011
93-Awareness or att	G-Engineering	A-Administrative	50-265/1998011
81-Work Package Qua	G-Engineering	G-Design	50-265/1998011
93-Awareness or att	O-Operations	A-Administrative	50-265/1998012
93-Awareness or att	A-Administrative Su	P-Procedure Dev	50-265/1998012
93-Awareness or att	O-Operations	P-Procedure Dev	50-265/1998012
81-Work Package Qua	G-Engineering	T-Testing	50-265/1998012
81-Work Package Qua	G-Engineering	G-Design	50-265/1998012
93-Awareness or att	G-Engineering	F-Modification	50-265/1998012
83-Work practice or	G-Engineering	G-Design	50-265/1998012
81-Work Package Qua	G-Engineering	F-Modification	50-265/1998012
93-Awareness or att	W-Work Control / Sc	A-Administrative	50-265/1998013
93-Awareness or att	W-Work Control / Sc	A-Administrative	50-265/1998013
83-Work practice or	M-Mechanical	F-Modification	50-265/1998013
82-Briefing, prep.	O-Operations	D-Emergency Drill	50-265/1998014
93-Awareness or att	D-Emergency Plannin	D-Emergency Drill	50-265/1998014
93-Awareness or att	D-Emergency Plannin	D-Emergency Drill	50-265/1998014
83-Work practice or	G-Engineering	G-Design	50-265/1998201
83-Work practice or	G-Engineering	G-Design	50-265/1998201
86-Work untimely	G-Engineering	A-Administrative	50-265/1998201

Work Factors ER

Number of items: 3

Percent of total: 1.2

84-Non-conserv. dec	O-Operations	Z-Other	50-265/1998303
84-Non-conserv. dec	O-Operations	Z-Other	50-265/1998303
93-Awareness or att	T-Training	A-Administrative	50-265/1998303

Work Factors LER

Number of items: 0

Percent of total: 0

Page: 7

Date:01/13/1999

[End of File for Plant Docket 265 (1998)]