## 1998 Human Factors Information System Report for Plant Docket 298

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Combined IR/ER/LER Report Docket: 50-298 COOPER
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Total Number of Hits in Date Range: 145 From 01/01/1998 to 12/31/1998

From 01/01/199 2x National Av	98 to 12/31/1998 rerage: 255					
Details	Department	Work Type Do	cket/Report			
Communications IR Number of items: 1						
Percent of total: 6 53-Communication LT		Z-Other	50-298/1997010			
53-COMMUNITERCION IN	0-Operations	Z-Other	50-296/1997010			
53-Communication LT	0-Operations 0-Operations	Z-Other	50-298/1997010			
53-Communication LT	O-Operations O-Operations	Z-Other	50-298/1997010			
53-Communication LT	<del>-</del>	Z-Other	50-298/1997010			
55-Communication Eq	0-Operations	O-Control Room Op	s 50-298/1998001			
54-No communication	<del>-</del>	O-Control Room Op	s 50-298/1998001			
55-Communication Eq	<del>-</del>	Q-Fire Protection	50-298/1998001			
53-Communication LT	O-Operations O-Operations	D-Emergency Drill	50-298/1998001			
54-No communication	O-Operations G-Engineering	G-Design	50-298/1998002			
52-Communication un	G-Engineering G-Engineering	G-Design	50-298/1998002			
	G-Engineering					
Communications ER Number of items: 0						
Percent of total: 0						
Communications LER						
Number of items: 0	)					
Percent of total: 0						
Human-System Interf	ace and Environm IR					
Number of items: 0 Percent of total: 0						
Number of items: 0						
Percent of total: 0						
Human-System Interface and Environm LER Number of items: 0						
Percent of total: 0						
Management and Supe						
Number of items: 3 Percent of total: 2						
40-Individual Corre	0-Operations	Z-Other	50-298/1997010			
40-Individual Corre		Z-Other	50-298/1997010			
40-Individual Corre 40-Individual Corre		Z-Other Z-Other	50-298/1997010 50-298/1997010			
Page: 1	Date: 01/13/199		30 230, 133, 610			
	IR/ER/LER Report 0-298 COOPER					
Total Number of Hits in Date Range: 145 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: 31 Percent of Total: 21.38						
36-Scheduling and p		M-Maint / Repair	50-298/1997010			
36-Scheduling and p		M-Maint / Repair	50-298/1997010			

## Human Factors Information System Report

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36-Scheduling and p W-Work Control / Sc M-Maint / Repair
                                                          50-298/1997010
41-Action not begun G-Engineering
                                      Z-Other
                                                          50-298/1997011
                                       O-Control Room Ops 50-298/1998001
32-Supervision / co O-Operations
36-Scheduling and p W-Work Control / Sc M-Maint / Repair
                                                          50-298/1998001
36-Scheduling and p W-Work Control / Sc V-Troubleshooting
                                                          50-298/1998001
40-Individual Corre M-Mechanical
                                                          50-298/1998001
                                                          50-298/1998001
48-Audits or proble D-Emergency Plannin Z-Other
48-Audits or proble O-Operations
                                 Z-Other
                                                          50-298/1998002
48-Audits or proble T-Training
                                      Z-Other
                                                          50-298/1998002
40-Individual Corre G-Engineering
                                      Z-Other
                                                          50-298/1998002
40-Individual Corre M-Mechanical
                                      Z-Other
                                                          50-298/1998002
40-Individual Corre P-Procedure Writers Z-Other
                                                          50-298/1998002
40-Individual Corre G-Engineering Z-Other
                                                          50-298/1998002
40-Individual Corre O-Operations
                                      Z-Other
                                                          50-298/1998002
47-Root Cause LTA G-Engineering
                                     G-Design
                                                          50-298/1998002
                                     Z-Other
47-Root Cause LTA O-Operations
                                                          50-298/1998005
41-Action not begun O-Operations
                                      Z-Other
                                                          50-298/1998005
41-Action not begun M-Mechanical
                                     Z-Other
                                                         50-298/1998005
40-Individual Corre M-Mechanical
                                      Z-Other
                                                         50-298/1998005
40-Individual Corre M-Mechanical
                                                          50-298/1998005
                                      Z-Other
44-Corrective Actio B-Plant Management Z-Other
                                                         50-298/1998005
40-Individual Corre O-Operations
                                       Z-Other
                                                         50-298/1998005
41-Action not begun O-Operations
                                       Z-Other
                                                          50-298/1998005
41-Action not begun G-Engineering
                                       Z-Other
                                                          50-298/1998005
43-Operating Experi G-Engineering
                                      Z-Other
                                                          50-298/1998021
Management and Supervision ER
```

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: 20

Percent of total: 13.79

12-Procedure techni G-Engineering G-Design 50-298/1997010
Page: 2 Date:01/13/1999

Combined IR/ER/LER Report Docket: 50-298 COOPER

Total Number of Hits in Date Range: 145 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: 20  Percent of Total: 13.79							
	E0 000/100E010						
11-No procedu		_	_	G-Design	50-298/1997010		
11-No procedu		_	-	G-Design	50-298/1997010		
12-Procedure	techni	G-Engineeri	ng	G-Design	50-298/1997010		
13-Procedure	has hu	G-Engineeri	ng	G-Design	50-298/1997011		
12-Procedure	techni	G-Engineeri	ng	G-Design	50-298/1997011		
12-Procedure	techni	G-Engineerin	ng	G-Design	50-298/1997011		
12-Procedure	techni	G-Engineerin	nq	G-Design	50-298/1997011		
12-Procedure	techni	G-Engineerin	nq	G-Design	50-298/1997011		
12-Procedure	techni	G-Engineerin	ng	G-Design	50-298/1998002		
13-Procedure	has hu	P-Procedure	Writers	P-Procedure Dev	50-298/1998002		
13-Procedure	has hu	P-Procedure	Writers	P-Procedure Dev	50-298/1998002		
13-Procedure	has hu	P-Procedure	Writers	P-Procedure Dev	50-298/1998002		
12-Procedure	techni	P-Procedure	Writers	P-Procedure Dev	50-298/1998002		
13-Procedure	has hu	G-Engineerin	nq	G-Design	50-298/1998002		
11-No procedu	ıre / r	G-Engineeri	na	F-Modification	50-298/1998002		
11-No procedu			_	F-Modification	50-298/1998002		
11-No procedu		_	_	F-Modification	50-298/1998002		
-		_	_		•		
13-Procedure	nas hu	r-rrocedure	writers	P-Procedure Dev	50-298/1998005		

93-Awareness or att O-Operations 81-Work Package Qua G-Engineering

93-Awareness or att O-Operations

83-Work practice or O-Operations

81-Work Package Qua G-Engineering

83-Work practice or G-Engineering 84-Non-conserv. dec Z-Other

84-Non-conserv. dec O-Operations

81-Work Package Qua O-Operations

81-Work Package Qua O-Operations

93-Awareness or att O-Operations

93-Awareness or att O-Operations 84-Non-conserv. dec O-Operations 89-Housekeeping LTA M-Mechanical

83-Work practice or O-Operations

81-Work Package Qua G-Engineering

85-Team interaction M-Mechanical

85-Team interaction H-Health Physics

83-Work practice or I-Instrumentation & A-Administrative

93-Awareness or att G-Engineering A-Administrative

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Human Factors Information System Report
12-Procedure techni P-Procedure Writers P-Procedure Dev
                                                              50-298/1998005
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: 1.38
12-Procedure techni M-Mechanical
                                        T-Testing
                                                               50-298/199800100
12-Procedure techni A-Administrative Su S-Surveillance
                                                              50-298/199800400
Training IR
Number of items: 6
Percent of total: 4.14
05-Individual knowl O-Operations
                                         O-Control Room Ops 50-298/1997011
                                          O-Control Room Ops 50-298/1997011
05-Individual knowl O-Operations
05-Individual knowl G-Engineering
                                         G-Design
                                                              50-298/1998002
                                                             50-298/1998002
05-Individual knowl G-Engineering
                                         G-Design
05-Individual knowl G-Engineering
                                         G-Design
                                                              50-298/1998002
                                        O-Control Room Ops 50-298/1998005
05-Individual knowl O-Operations
Training ER
Number of items: 0
Percent of total: 0
Training LER
Number of items: 0
Percent of total: 0
Work Factors IR
Number of items: 75
Percent of total: 51.72
89-Housekeeping LTA M-Mechanical
                                       M-Maint / Repair
                                                              50-298/1997010
          Page: 3
                         Date:01/13/1999
          Combined IR/ER/LER Report
          Docket: 50-298 COOPER
     Total Number of Hits in Date Range: 145
     From 01/01/1998 to 12/31/1998
     2x National Average: 255
Details
                     Department
                                         Work Type
                                                              Docket/Report
Work Factors IR
Number of items: 75
Percent of Total: 51.72
                                                               50-298/1997010
83-Work practice or M-Mechanical
                                         M-Maint / Repair
83-Work practice or M-Mechanical
                                         V-Troubleshooting 50-298/1997010
                                        M-Maint / Repair 50-298/1997010
M-Maint / Repair 50-298/1997010
84-Non-conserv. dec O-Operations
84-Non-conserv. dec G-Engineering
83-Work practice or M-Mechanical
                                        V-Troubleshooting 50-298/1997010
93-Awareness or att G-Engineering
                                       T-Testing 50-298/1997010
F-Modification 50-298/1997010
                                         T-Testing
                                                              50-298/1997010
81-Work Package Qua G-Engineering
84-Non-conserv. dec Z-Other
                                                              50-298/1997010
                                        Z-Other
                                       Q-Fire Protection 50-298/1997010
A-Administrative 50-298/1997011
A-Administrative 50-298/1997011
89-Housekeeping LTA U-Unknown
94-Log-keeping or r O-Operations
94-Log-keeping or r O-Operations
88-Tag outs LTA
                   0-Operations
                                       B-Bal of Plant Ops 50-298/1997011
                                         O-Control Room Ops 50-298/1997011
O-Control Room Ops 50-298/1997011
93-Awareness or att O-Operations
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F-Modification

A-Administrative

O-Control Room Ops

M-Maint / Repair

M-Maint / Repair

H-Health Physics

G-Design

G-Design

Z-Other

81-Work Package Qua W-Work Control / Sc V-Troubleshooting 50-298/1998001

O-Control Room Ops 50-298/1997011

G-Design 50-298/1997011 F-Modification 50-298/1997011

O-Control Room Ops 50-298/1998001

O-Control Room Ops 50-298/1998001

O-Control Room Ops 50-298/1998001 O-Control Room Ops 50-298/1998001 O-Control Room Ops 50-298/1998001

H-Health Physics 50-298/1998001

50-298/1997011 50-298/1997011

50-298/1997011

50-298/1997011

50-298/1997011

50-298/1997011

50-298/1998001

50-298/1998001

50-298/1998001

50-298/1998001

50-298/1998001

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85-Team interaction G-Engineering
                                        H-Health Physics
                                                             50-298/1998001
                                        H-Health Physics
                                                             50-298/1998001
85-Team interaction Q-QA/QC
84-Non-conserv. dec G-Engineering
                                        D-Emergency Drill
                                                            50-298/1998001
84-Non-conserv. dec D-Emergency Plannin D-Emergency Drill
                                                             50-298/1998001
93-Awareness or att G-Engineering
                                        G-Design
                                                             50-298/1998002
82-Briefing, prep. O-Operations
82-Briefing, prep. O-Operations
                                        O-Control Room Ops 50-298/1998002
                                       O-Control Room Ops 50-298/1998002
93-Awareness or att O-Operations
                                       A-Administrative
                                                             50-298/1998002
                                        G-Design
                                                             50-298/1998002
81-Work Package Qua G-Engineering
91-Verification / p O-Operations
                                        B-Bal of Plant Ops 50-298/1998002
86-Work untimely O-Operations
                                        Z-Other
                                                            50-298/1998002
85-Team interaction O-Operations
                                        Z-Other
                                                            50-298/1998002
85-Team interaction G-Engineering
                                        Z-Other
                                                             50-298/1998002
                                        M-Maint / Repair
83-Work practice or M-Mechanical
                                                            50-298/1998002
81-Work Package Qua G-Engineering
                                        F-Modification
                                                             50-298/1998002
81-Work Package Qua G-Engineering
                                                             50-298/1998002
                                        G-Design
          Page: 4
                         Date:01/13/1999
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Total Number of Hits in Date Range: 145

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

2x National Average: 255

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Details
                   Department
                                       Work Type
                                                           Docket/Report
Work Factors IR
Number of items: 75
Percent of Total: 51.72
83-Work practice or G-Engineering
                                                           50-298/1998002
                                       G-Design
84-Non-conserv. dec G-Engineering
                                       G-Design
                                                           50-298/1998002
83-Work practice or G-Engineering
                                       G-Design
                                                           50-298/1998002
86-Work untimely G-Engineering
                                       G-Design
                                                           50-298/1998002
83-Work practice or G-Engineering
                                       A-Administrative
                                                           50-298/1998002
81-Work Package Qua G-Engineering
                                       F-Modification
                                                           50-298/1998002
                                       V-Troubleshooting 50-298/1998002
84-Non-conserv. dec O-Operations
83-Work practice or G-Engineering
                                                           50-298/1998002
                                       G-Design
84-Non-conserv. dec G-Engineering
                                       G-Design
                                                           50-298/1998002
83-Work practice or G-Engineering
                                       G-Design
                                                           50-298/1998002
                                       O-Control Room Ops 50-298/1998005
84-Non-conserv. dec O-Operations
83-Work practice or M-Mechanical
                                       M-Maint / Repair
                                                           50-298/1998005
85-Team interaction G-Engineering
                                       M-Maint / Repair
                                                           50-298/1998005
85-Team interaction W-Work Control / Sc M-Maint / Repair
                                                           50-298/1998005
85-Team interaction G-Engineering T-Testing
                                                           50-298/1998005
85-Team interaction E-Electrical
                                       T-Testing
                                                           50-298/1998005
                                       M-Maint / Repair
M-Maint / Repair
83-Work practice or M-Mechanical
                                                           50-298/1998005
93-Awareness or att M-Mechanical
                                                           50-298/1998005
81-Work Package Qua W-Work Control / Sc M-Maint / Repair
                                                           50-298/1998005
81-Work Package Qua G-Engineering G-Design
                                                           50-298/1998005
85-Team interaction G-Engineering
                                       A-Administrative
                                                           50-298/1998005
89-Housekeeping LTA U-Unknown
                                      K-Housekeeping
                                                           50-298/1998006
84-Non-conserv. dec G-Engineering
                                      G-Design
                                                           50-298/1998006
93-Awareness or att G-Engineering
                                       G-Design
                                                           50-298/1998006
Work Factors ER
Number of items: 0
Percent of total: 0
Work Factors LER
Number of items: 1
Percent of total: .69
83-Work practice or O-Operations
                                       P-Procedure Dev
                                                           50-298/199800700
                        Date:01/13/1999
         Page: 5
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[End of File for Plant Docket 298 (1998)]