1997 Human Factors Information System Report for Plant Docket 400

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Combined IR/ER/LER Report Docket: 50-400 HARRIS 1
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Total Number of Hits in Date Range: 203 From 01/01/1997 to 12/31/1997 2x National Average: 213

Details	Department	Work Type Dock	ket/Report
Communications IR Number of items: 12			
Percent of total: 5			
51-Misunderstood /		U-Unknown	50-400/1996011
53-Communication LT	-	U-Unknown	50-400/1996011
53-Communication LT	0-Operations	O-Control Room Ops	50-400/1997001
54-No communication		O-Control Room Ops	50-400/1997004
53-Communication LT	O-Operations O-Operations O-Operations	O-Control Room Ops	50-400/1997004
53-Communication LT		O-Control Room Ops	50-400/1997004
52-Communication un		A-Administrative	50-400/1997006
53-Communication LT		G-Design	50-400/1997007
54-No communication		A-Administrative	50-400/1997008
53-Communication LT		O-Control Room Ops	50-400/1997009
53-Communication LT	G-Engineering	V-Troubleshooting	50-400/1997010
55-Communication Eq	T-Training T-Training	Z-Other	50-400/1997300
Communications ER			
Number of items: 0)		
Percent of total: 0)		
Communications LER Number of items: 4			
Percent of total: 1			/
53-Communication LT		F-Modification	50-400/199700900
53-Communication LT	G-Engineering	A-Administrative	50-400/199701100
53-Communication LT	TI-Instrumentation &	A-Administrative	50-400/199701200
53-Communication LT	I-Instrumentation &	: T-Testing	50-400/199701200
Human-System Interface and Environm IR Number of items: 4			
Percent of total: 1			
61-Labels LTA	0-Operations	B-Bal of Plant Ops	50-400/1997001
67-Function LTA (ac			50-400/1997001
		B-Bal of Plant Ops	'
73-Excessive Noise	-	H-Health Physics	50-400/1997004
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-400/1997300
Haman Coat and Took			
-	ace and Environm ER		
Number of items: 0			
Percent of total: 0)		
Human-System Interface and Environm LER			
Number of items: 1			
Percent of total: .	.49		
62-Information orga	a O-Operations	C-Calibration	50-400/199701600
Management and Supervision IR			
Number of items: 2	25		
Percent of total: 12.32			
	Date:08/05/199	8	
rage. I	2400.00/03/199	-	
Combined	TD/FD/LFD Bosost		
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Maral Number of Witz in Data Dance 200			
	of Hits in Date Range	2: ∠03	
	97 to 12/31/1997		
2x National Av	rerage: 213		

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Details
                    Department.
                                        Work Type
                                                            Docket/Report
Management and Supervision IR
Number of items: 25
Percent of Total: 12.32
42-No action planne O-Operations
                                       U-Unknown
                                                            50-400/1996011
44-Corrective Actio T-Training
                                       Z-Other
                                                            50-400/1997001
                                       O-Control Room Ops 50-400/1997001
40-Individual Corre O-Operations
32-Supervision / co G-Engineering
                                       G-Design
                                                            50-400/1997001
32-Supervision / co O-Operations
                                       O-Control Room Ops 50-400/1997004
40-Individual Corre O-Operations
                                       O-Control Room Ops 50-400/1997004
40-Individual Corre O-Operations
                                        O-Control Room Ops
                                                            50-400/1997004
40-Individual Corre O-Operations
                                       B-Bal of Plant Ops 50-400/1997004
44-Corrective Actio G-Engineering
                                        S-Surveillance
                                                            50-400/1997004
36-Scheduling and p W-Work Control / Sc F-Modification
                                                            50-400/1997004
40-Individual Corre G-Engineering
                                        F-Modification
                                                            50-400/1997004
36-Scheduling and p F-Fuel Handling
                                       S-Surveillance
                                                            50-400/1997004
48-Audits or proble O-Operations
                                       V-Troubleshooting
                                                            50-400/1997006
40-Individual Corre O-Operations
                                        S-Surveillance
                                                            50-400/1997006
41-Action not begun G-Engineering
                                                            50-400/1997007
                                       G-Design
40-Individual Corre G-Engineering
                                        F-Modification
                                                            50-400/1997008
48-Audits or proble Q-QA/QC
                                       Z-Other
                                                            50-400/1997009
32-Supervision / co M-Mechanical
                                        M-Maint / Repair
                                                            50-400/1997009
41-Action not begun O-Operations
                                        Z-Other
                                                            50-400/1997010
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: 1
Percent of total: .49
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: 25
Percent of total: 12.32
                                                            50-400/1996011
12-Procedure techni G-Engineering
                                        U-Unknown
12-Procedure techni G-Engineering
                                        G-Design
                                                            50-400/1997001
12-Procedure techni G-Engineering
                                        S-Surveillance
                                                            50-400/1997001
11-No procedure / r G-Engineering
                                        G-Design
                                                            50-400/1997003
11-No procedure / r G-Engineering
                                        G-Design
                                                            50-400/1997003
12-Procedure techni G-Engineering
                                        S-Surveillance
                                                            50-400/1997003
                                                            50-400/1997003
12-Procedure techni G-Engineering
                                        G-Design
                        Date:08/05/1998
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          Combined IR/ER/LER Report
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     Total Number of Hits in Date Range: 203
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Details
                   Department
                                        Work Type
                                                            Docket/Report
Procedures and Reference Document IR
Number of items: 25
Percent of Total: 12.32
                                        P-Procedure Dev
                                                            50-400/1997004
12-Procedure techni G-Engineering
12-Procedure techni G-Engineering
                                        S-Surveillance
                                                            50-400/1997004
12-Procedure techni G-Engineering
                                        T-Testing
                                                            50-400/1997004
12-Procedure techni G-Engineering
                                        P-Procedure Dev
                                                            50-400/1997004
12-Procedure techni G-Engineering
                                        P-Procedure Dev
                                                            50-400/1997004
12-Procedure techni G-Engineering
                                        P-Procedure Dev
                                                            50-400/1997004
11-No procedure / r G-Engineering
                                        S-Surveillance
                                                            50-400/1997004
13-Procedure has hu G-Engineering
                                        G-Design
                                                            50-400/1997006
12-Procedure techni P-Procedure Writers S-Surveillance
                                                            50-400/1997006
12-Procedure techni G-Engineering
                                       G-Desiqn
                                                            50-400/1997009
12-Procedure techni G-Engineering
                                        G-Design
                                                            50-400/1997009
                                                            50-400/1997009
                                       P-Procedure Dev
12-Procedure techni G-Engineering
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12-Procedure techni G-Engineering
                                         P-Procedure Dev
                                                             50-400/1997009
12-Procedure techni G-Engineering
                                         G-Design
                                                             50-400/1997009
                                                             50-400/1997010
12-Procedure techni G-Engineering
                                         G-Design
Procedures and Reference Document ER
Number of items: 0
Percent of total: 0
Procedures and Reference Document LER
Number of items: 16
Percent of total: 7.88
13-Procedure has hu O-Operations
                                       A-Administrative
                                                             50-400/199700400
13-Procedure has hu O-Operations
                                        O-Control Room Ops 50-400/199700400
                                      M-Maint / Repair
13-Procedure has hu C-Chemistry
                                                             50-400/199700700
13-Procedure has hu O-Operations
13-Procedure has hu G-Engineering
13-Procedure has hu I-Instrumentation & A-Administrative
13-Procedure has hu I-Instrumentation & T-Testing
13-Procedure has hu O-Operations
                                       M-Maint / Repair
                                                             50-400/199700800
                                                             50-400/199701100
                                                             50-400/199701200
13-Procedure has hu I-Instrumentation & T-Testing
                                                             50-400/199701200
12-Procedure techni I-Instrumentation & A-Administrative 50-400/199701400
12-Procedure techni I-Instrumentation & T-Testing
                                       C-Calibration
                                                             50-400/199701400
13-Procedure has hu O-Operations
                                                             50-400/199701600
13-Procedure has hu O-Operations
                                       A-Administrative
                                                             50-400/199701800
                                       O-Control Room Ops 50-400/199701800
13-Procedure has hu O-Operations
13-Procedure has hu M-Mechanical
                                        M-Maint / Repair
                                                             50-400/199702200
                                       V-Troubleshooting
13-Procedure has hu M-Mechanical
                                                             50-400/199702200
13-Procedure has hu G-Engineering
                                       M-Maint / Repair
                                                             50-400/199702200
13-Procedure has hu G-Engineering
                                         V-Troubleshooting
                                                            50-400/199702200
Training IR
Number of items: 7
Percent of total: 3.45
03-Training process T-Training
                                        B-Bal of Plant Ops 50-400/1997003
02-Training LTA T-Training 02-Training LTA T-Training
                                        O-Control Room Ops 50-400/1997004
                                                    50-400/1997010
50-400/1997010
                                        Z-Other
06-Simulator fideli T-Training
                                        Z-Other
02-Training LTA
                 T-Training
                                       Z-Other
                                                             50-400/1997300
Training ER
Number of items: 0
Percent of total: 0
Training LER
Number of items: 2
Percent of total: .99
                    I-Instrumentation & A-Administrative
                                                             50-400/199701200
02-Training LTA
                        Date:08/05/1998
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     Total Number of Hits in Date Range: 203
     From 01/01/1997 to 12/31/1997
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Details
                    Department
                                         Work Type
                                                             Docket/Report
Training LER
Number of items: 2
Percent of Total: .99
02-Training LTA
                   I-Instrumentation & T-Testing
                                                             50-400/199701200
Work Factors IR
Number of items: 94
Percent of total: 46.31
84-Non-conserv. dec O-Operations
                                                             50-400/1996011
                                        U-Unknown
87-Non-conservati O-Operations
                                       II-IInknown
                                                           50-400/1996011
92-Self check LTA O-Operations
                                       U-Unknown
                                                            50-400/1996011
                                         U-Unknown
92-Self check LTA O-Operations
92-Self check LTA E-Electrical
                                                             50-400/1996011
                                        U-Unknown
                                                             50-400/1996011
92-Self check LTA Q-QA/QC
                                        U-Unknown
                                                             50-400/1996011
                                       O-Control Room Ops 50-400/1997001
82-Briefing, prep. O-Operations
                                        S-Surveillance
                                                              50-400/1997001
84-Non-conserv. dec O-Operations
                                       S-Surveillance
93-Awareness or att G-Engineering
                                                             50-400/1997001
83-Work practice or O-Operations
                                        O-Control Room Ops 50-400/1997001
                                        O-Control Room Ops 50-400/1997001
Q-Fire Protection 50-400/1997001
93-Awareness or att O-Operations
83-Work practice or O-Operations
                                        B-Bal of Plant Ops 50-400/1997003
86-Work untimely O-Operations
86-Work untimely
                   O-Operations
                                         B-Bal of Plant Ops 50-400/1997003
84-Non-conserv. dec O-Operations
                                         Z-Other
                                                             50-400/1997003
                                        A-Administrative
86-Work untimely
                                                             50-400/1997003
                  O-Operations
83-Work practice or G-Engineering
                                        A-Administrative
                                                             50-400/1997003
                                                             50-400/1997003
81-Work Package Qua G-Engineering
                                         G-Design
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92-Self check LTA
                   0-Operations
                                        O-Control Room Ops 50-400/1997004
93-Awareness or att O-Operations
                                        O-Control Room Ops 50-400/1997004
                                        O-Control Room Ops 50-400/1997004
84-Non-conserv. dec O-Operations
                                        O-Control Room Ops 50-400/1997004
83-Work practice or O-Operations
84-Non-conserv. dec O-Operations
                                        O-Control Room Ops 50-400/1997004
94-Log-keeping or r O-Operations
                                        O-Control Room Ops
                                                            50-400/1997004
                                       B-Bal of Plant Ops 50-400/1997004
84-Non-conserv. dec O-Operations
83-Work practice or G-Engineering
                                        T-Testing
                                                            50-400/1997004
92-Self check LTA E-Electrical
92-Self check LTA G-Engineering
                                        T-Testing
                                                            50-400/1997004
                                                            50-400/1997004
                                        G-Design
                                        B-Bal of Plant Ops 50-400/1997004
93-Awareness or att O-Operations
93-Awareness or att W-Work Control / Sc B-Bal of Plant Ops 50-400/1997004
83-Work practice or G-Engineering
                                        F-Modification
                                                            50-400/1997004
83-Work practice or G-Engineering
                                        A-Administrative
                                                            50-400/1997004
83-Work practice or G-Engineering
                                        G-Design
                                                            50-400/1997004
                                        G-Design
                                                            50-400/1997004
83-Work practice or G-Engineering
83-Work practice or G-Engineering
                                        G-Design
                                                            50-400/1997004
84-Non-conserv. dec H-Health Physics
                                        H-Health Physics
                                                            50-400/1997004
83-Work practice or H-Health Physics
                                        M-Maint / Repair
                                                            50-400/1997004
                                        M-Maint / Repair
83-Work practice or M-Mechanical
                                                            50-400/1997004
                                       H-Health Physics
                                                            50-400/1997004
83-Work practice or H-Health Physics
83-Work practice or H-Health Physics
                                        H-Health Physics
                                                            50-400/1997004
                                                            50-400/1997006
                                        C-Calibration
93-Awareness or att O-Operations
82-Briefing, prep. O-Operations
                                        C-Calibration
                                                            50-400/1997006
                                        C-Calibration
84-Non-conserv. dec O-Operations
                                                            50-400/1997006
91-Verification / p O-Operations
                                        S-Surveillance
                                                            50-400/1997006
                                        O-Control Room Ops 50-400/1997006
84-Non-conserv. dec O-Operations
                         Date:08/05/1998
          Page: 4
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Combined IR/ER/LER Report Docket: 50-400 HARRIS 1

Total Number of Hits in Date Range: 203 From 01/01/1997 to 12/31/1997

2x National Average: 213

Details Department Work Type Docket/Report Work Factors IR Number of items: 94 Percent of Total: 46.31 81-Work Package Qua G-Engineering F-Modification 50-400/1997006 83-Work practice or A-Administrative Su A-Administrative 50-400/1997006 G-Design 83-Work practice or G-Engineering 50-400/1997007 50-400/1997007 83-Work practice or G-Engineering G-Design 83-Work practice or G-Engineering G-Design 50-400/1997007 83-Work practice or G-Engineering A-Administrative 50-400/1997007 50-400/1997007 93-Awareness or att G-Engineering A-Administrative A-Administrative 50-400/1997007 83-Work practice or G-Engineering 83-Work practice or G-Engineering G-Design 50-400/1997007 91-Verification / p O-Operations 91-Verification / p M-Mechanical B-Bal of Plant Ops 50-400/1997007 M-Maint / Repair 50-400/1997007 M-Maint / Repair 91-Verification / p E-Electrical 50-400/1997007 F-Modification F-Modification 81-Work Package Qua G-Engineering 50-400/1997008 50-400/1997008 81-Work Package Qua G-Engineering H-Health Physics 83-Work practice or Z-Other 50-400/1997008 H-Health Physics 83-Work practice or Z-Other 50-400/1997008 83-Work practice or U-Unknown H-Health Physics 50-400/1997008 93-Awareness or att O-Operations O-Control Room Ops 50-400/1997009 83-Work practice or O-Operations O-Control Room Ops 50-400/1997009 93-Awareness or att O-Operations O-Control Room Ops 50-400/1997009 83-Work practice or O-Operations O-Control Room Ops 50-400/1997009 83-Work practice or O-Operations O-Control Room Ops 50-400/1997009 O-Control Room Ops 83-Work practice or O-Operations 50-400/1997009 93-Awareness or att O-Operations O-Control Room Ops 50-400/1997009 M-Maint / Repair 83-Work practice or M-Mechanical 50-400/1997009 83-Work practice or M-Mechanical M-Maint / Repair 50-400/1997009 M-Maint / Repair 83-Work practice or M-Mechanical 50-400/1997009 93-Awareness or att O-Operations T-Testing 50-400/1997009 81-Work Package Qua G-Engineering V-Troubleshooting 50-400/1997009 86-Work untimely G-Engineering G-Design 50-400/1997009 92-Self check LTA G-Engineering G-Design 50-400/1997010 83-Work practice or I-Instrumentation & A-Administrative 50-400/1997010 83-Work practice or G-Engineering 50-400/1997010 A-Administrative 83-Work practice or O-Operations Z-Other 50-400/1997300 83-Work practice or M-Mechanical H-Health Physics 50-400/1997300

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

Work Factors LER

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      Number of items: 12

      Percent of total: 5.91

      87-Non-conservati C-Chemistry
      M-Maint / Repair
      50-400/199700700

      87-Non-conservati O-Operations
      O-Control Room Ops
      50-400/199701300

      87-Non-conservati I-Instrumentation & A-Administrative
      50-400/199701400

      87-Non-conservati I-Instrumentation & T-Testing
      50-400/199701400

      87-Non-conservati O-Operations
      T-Testing
      50-400/199701500

      87-Non-conservati O-Operations
      T-Testing
      50-400/199701700

      87-Non-conservati O-Operations
      A-Administrative
      50-400/199701800

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      Date:08/05/1998
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Total Number of Hits in Date Range: 203

From 01/01/1997 to 12/31/1997 2x National Average: 213

Details Department Work Type Docket/Report

Work Factors LER
Number of items: 12
Percent of Total: 5.91

87-Non-conservati O-Operations O-Control Room Ops 50-400/199701800 87-Non-conservati M-Mechanical M-Maint / Repair 50-400/199702200 87-Non-conservati G-Engineering M-Maint / Repair 50-400/199702200 87-Non-conservati G-Engineering V-Troubleshooting 50-400/199702200 50-400/199702200

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