05/29/2009 10:01:12 Page 221 of 226

Document Types: IR, LER From 01/01/2008 to 12/31/2008

U.S. Nuclear Regulatory Commission Human Factors Information System (HFIS) IR/LER Category Analysis by Docket Report

Total Number of Hits: 3662
National Average: 35
2x National Average: 70
National Median: 21

Average for Selected Dockets: 35

Part		Facility Name: Watts Bar 1 Docket (050- 00390)		
170 + HSI or information availability / quality LTA G. Engineering G. Design 050-00390/2008-002 170 + HSI or information availability / quality LTA G. Engineering G. Design 050-00390/2008-002 170 + HSI or information availability / quality LTA H. Instrumentation & Control O. Control Room Ops 050-00390/2008-003 170 + HSI or information availability / quality LTA D. Oether / Unknown Z. Other / Unknown 050-00390/2008-004 170 + HSI or information availability / quality LTA Z. Other / Unknown Z. Other / Unknown 050-00390/2007-005 170 + HSI or information availability / quality LTA Z. Other / Unknown Z. Other / Unknown 050-00390/2007-005 170 + HSI or information availability / quality LTA Z. Other / Unknown Z. Other / Unknown D. Oether / Unknown D. Oet	Details	Department	Work Type	Docket/Report
170 - HSI or information availability / quality LTA	Human-System Interface & Environmnt / IR			
170 - HSI or information availability / quality LTA	170 - HSI or information availability / quality LTA	G - Engineering	G - Design	050-00390/2008-002
170 - HSI or information availability / quality LTA	170 - HSI or information availability / quality LTA	G - Engineering	G - Design	050-00390/2008-002
To - HSI or information availability / quality LTA	170 - HSI or information availability / quality LTA	I - Instrumentation & Control	O - Control Room Ops	050-00390/2008-003
Number of Items for this Docket: 5 Percent of Total for this Docket: 14 Procedures & Reference Document / IR Procedures & Reference Document technical content E - Electrical M - Maintenance / Repair 050-00390/2008-003 111 - Procedure / reference document technical content M - Mechanical M - Maintenance / Repair 050-00390/2007-005 111 - Procedure / reference document technical content Z - Other / Unknown 050-00390/2007-005 111 - Procedure / reference document development and maintenance L' Number of Items for this Docket: 4 Percent of Total for this Docket: 11 Problem Identification & Resolution / IR 140 - Problem not completely or accurately identified M - Mechanical M - Maintenance / Repair 050-00390/2008-004 148 - Action not yet started or untimely O - Operations Number of Items for this Docket: 2 Percent of Total for this Docket: 6 Nork Planning & Practices / IR 185 - Procedural adherence LTA D - Emergency Planning Procedural adherence LTA M - Maintenance / Repair 050-00390/2008-004 M	170 - HSI or information availability / quality LTA	M - Mechanical	M - Maintenance / Repair	050-00390/2008-004
Percent of Total for this Docket: 14	170 - HSI or information availability / quality LTA	Z - Other / Unknown	Z - Other / Unknown	050-00390/2007-005
### Procedure / reference document technical content ### A Mechanical ###				
111 - Procedure / reference document technical content	Procedures & Reference Document / IR			
111 - Procedure / reference document technical content Z - Other / Unknown Z - Other / Unknown O50-00390/2007-005 113 - Procedure / reference document development and maintenance L'	111 - Procedure / reference document technical content	E - Electrical	M - Maintenance / Repair	050-00390/2008-003
Number of Items for this Docket: 4 Percent of Total for this Docket: 11 Problem Identification & Resolution / IR Ido - Problem Identification & IR Ido - Problem Identification Ident	111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00390/2007-005
Number of Items for this Docket: 4 Percent of Total for this Docket: 11 Problem Identification & Resolution / IR 140 - Problem not completely or accurately identified M - Mechanical M - Maintenance / Repair 050-00390/2008-004 148 - Action not yet started or untimely 0 - Operations 0 - Control Room Ops 050-00390/2008-003 148 - Action not yet in this Docket: 2 Percent of Total for this Docket: 2 Percent of Total for this Docket: 6 Work Planning & Practices / IR 185 - Procedural adherence LTA D - Emergency Planning Q - Fire Protection 050-00390/2008-003 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-003 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-003 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-004 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-004 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2008-004 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2008-004 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-004 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements D - Emergency Planning O - Fire Protection 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to tak	111 - Procedure / reference document technical content	Z - Other / Unknown	Z - Other / Unknown	050-00390/2007-005
Percent of Total for this Docket: 11 Problem Identification & Resolution / IR 140 - Problem not completely or accurately identified	113 - Procedure / reference document development and maintenance L	H - Health Physics	H - Health Physics	050-00390/2008-002
M - Mechanical M - Mechanical M - Mechanical O - Control Room Ops 050-00390/2008-004 148 - Action not yet started or untimely O - Operations O - Control Room Ops 050-00390/2008-003 Number of Items for this Docket: 2 Percent of Total for this Docket: 6 Work Planning & Practices / IR 185 - Procedural adherence LTA D - Emergency Planning Q - Fire Protection 050-00390/2007-005 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2007-005 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2008-004 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2008-004 185 - Procedural adherence LTA O - Operations D - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-003 186 - Failure to take action / meet requirements H - Health Physics 14 - Health Physics 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003				
148 - Action not yet started or untimely	Problem Identification & Resolution / IR			
Number of Items for this Docket: 2 Percent of Total for this Docket: 6 Work Planning & Practices / IR 185 - Procedural adherence LTA D - Emergency Planning Q - Fire Protection 050-00390/2008-003 185 - Procedural adherence LTA E - Electrical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2007-005 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-003 186 - Failure to take action / meet requirements D - Emergency Planning Q - Fire Protection 050-00390/2008-002 186 - Failure to take action / meet requirements H - Health Physics H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements H - Instrumentation & Control O - Control Room Ops	140 - Problem not completely or accurately identified	M - Mechanical	M - Maintenance / Repair	050-00390/2008-004
Percent of Total for this Docket: 6 Work Planning & Practices / IR D - Emergency Planning Q - Fire Protection 050-00390/2007-005 185 - Procedural adherence LTA E - Electrical M - Maintenance / Repair 050-00390/2008-003 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2007-005 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-003 186 - Failure to take action / meet requirements D - Emergency Planning Q - Fire Protection 050-00390/2008-002 186 - Failure to take action / meet requirements H - Health Physics H - Health Physics 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Co	148 - Action not yet started or untimely	O - Operations	O - Control Room Ops	050-00390/2008-003
D - Emergency Planning Q - Fire Protection 050-00390/2007-005 185 - Procedural adherence LTA E - Electrical M - Maintenance / Repair 050-00390/2008-003 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2007-005 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements D - Emergency Planning Q - Fire Protection 050-00390/2008-002 186 - Failure to take action / meet requirements H - Health Physics H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003				
E - Electrical M - Maintenance / Repair 050-00390/2008-003 M - Mechanical M - Maintenance / Repair 050-00390/2008-002 M - Mechanical M - Maintenance / Repair 050-00390/2008-002 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Mechanical M - Maintenance / Repair 050-00390/2008-004 M - Mechanical M - Mec	Work Planning & Practices / IR			
185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-002 185 - Procedural adherence LTA M - Mechanical M - Maintenance / Repair 050-00390/2008-004 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2008-003 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements D - Emergency Planning Q - Fire Protection 050-00390/2008-002 186 - Failure to take action / meet requirements H - Health Physics H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	185 - Procedural adherence LTA	D - Emergency Planning	Q - Fire Protection	050-00390/2007-005
M - Mechanical M - Maintenance / Repair 050-00390/2008-004 185 - Procedural adherence LTA O - Operations B - Bal of Plant Ops 050-00390/2007-005 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements D - Emergency Planning Q - Fire Protection 050-00390/2007-005 186 - Failure to take action / meet requirements H - Health Physics H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	185 - Procedural adherence LTA	E - Electrical	M - Maintenance / Repair	050-00390/2008-003
185 - Procedural adherence LTA O - Operations O - Operations O - Control Room Ops 050-00390/2007-005 185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements D - Emergency Planning Q - Fire Protection 050-00390/2007-005 186 - Failure to take action / meet requirements H - Health Physics H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00390/2008-002
185 - Procedural adherence LTA O - Operations O - Control Room Ops 050-00390/2008-003 185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements D - Emergency Planning Q - Fire Protection 050-00390/2007-005 H - Health Physics H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00390/2008-004
185 - Procedural adherence LTA Y - Shipping / transportation H - Health Physics 050-00390/2008-002 D - Emergency Planning Q - Fire Protection 050-00390/2007-005 186 - Failure to take action / meet requirements H - Health Physics H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	185 - Procedural adherence LTA	O - Operations	B - Bal of Plant Ops	050-00390/2007-005
D - Emergency Planning Q - Fire Protection 050-00390/2007-005 H - Health Physics H - Health Physics 050-00390/2008-002 H - Health Physics D - Control Room Ops 050-00390/2008-003 I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00390/2008-003
186 - Failure to take action / meet requirements H - Health Physics 050-00390/2008-002 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	185 - Procedural adherence LTA	Y - Shipping / transportation	H - Health Physics	050-00390/2008-002
186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003 186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	186 - Failure to take action / meet requirements	D - Emergency Planning	Q - Fire Protection	050-00390/2007-005
186 - Failure to take action / meet requirements I - Instrumentation & Control O - Control Room Ops 050-00390/2008-003	186 - Failure to take action / meet requirements	H - Health Physics	H - Health Physics	050-00390/2008-002
	186 - Failure to take action / meet requirements	I - Instrumentation & Control	O - Control Room Ops	050-00390/2008-003
186 - Failure to take action / meet requirements M - Mechanical M - Maintenance / Repair 050-00390/2007-005	186 - Failure to take action / meet requirements	I - Instrumentation & Control	O - Control Room Ops	050-00390/2008-003
	186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00390/2007-005

05/29/2009 10:01:12 Page 222 of 226

Document Types: IR, LER From 01/01/2008 to 12/31/2008

U.S. Nuclear Regulatory Commission Human Factors Information System (HFIS) IR/LER Category Analysis by Docket Report

National Average: 35

2x National Average: 70

National Median: 21

Average for Selected Dockets: 35

	Facility Name: Watts Bar 1 Dock	cet (050- 00390)	
Details	Department	Work Type	Docket/Report
Work Planning & Practices / IR			
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00390/2008-002
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00390/2008-004
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00390/2007-005
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00390/2007-005
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00390/2008-003
186 - Failure to take action / meet requirements	Y - Shipping / transportation	H - Health Physics	050-00390/2008-002
187 - Action implementation LTA	G - Engineering	G - Design	050-00390/2008-002
188 - Work practice or craft skill LTA	H - Health Physics	H - Health Physics	050-00390/2008-002
Number of Items for this Docket: 20 Percent of Total for this Docket: 56			
Procedures & Reference Document / LER			
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00390/2008-002-0
111 - Procedure / reference document technical content	O - Operations	O - Control Room Ops	050-00390/2008-003-0
Number of Items for this Docket: 2 Percent of Total for this Docket: 6			
Work Planning & Practices / LER			
182 - Work package quality LTA	M - Mechanical	M - Maintenance / Repair	050-00390/2008-002-0
185 - Procedural adherence LTA	O - Operations	B - Bal of Plant Ops	050-00390/2008-004-0
193 - Non-conservative action	O - Operations	B - Bal of Plant Ops	050-00390/2008-004-0
Number of Items for this Docket: 3 Percent of Total for this Docket: 8			
Total Items for this Docket: 36			