

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

Total Number of Hits: 52

National Average: 46

2x National Average: 92

National Median: 23

Average for Selected Dockets: 52

Facility Name: Duane Arnold Docket (050- 00331)

Details	Department	Work Type	Docket/Report
Communication / IR			
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00331/2009-004
Number of Items for this Docket: 1			
Percent of Total for this Docket: 2			
<hr/>			
Oversight / IR			
130 - Inadequate supervision / command and control	I - Instrumentation & Control	M - Maintenance / Repair	050-00331/2009-003
Number of Items for this Docket: 1			
Percent of Total for this Docket: 2			
<hr/>			
Procedures & Reference Document / IR			
111 - Procedure / reference document technical content	G - Engineering	G - Design	050-00331/2008-005
111 - Procedure / reference document technical content	I - Instrumentation & Control	P - Procedure Dev	050-00331/2009-003
111 - Procedure / reference document technical content	G - Engineering	G - Design	050-00331/2009-004
Number of Items for this Docket: 3			
Percent of Total for this Docket: 6			
<hr/>			
Problem Identification & Resolution / IR			
140 - Problem not completely or accurately identified	M - Mechanical	M - Maintenance / Repair	050-00331/2009-003
140 - Problem not completely or accurately identified	G - Engineering	V - Troubleshooting	050-00331/2009-009
140 - Problem not completely or accurately identified	M - Mechanical	M - Maintenance / Repair	050-00331/2009-011
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00331/2009-003
140 - Problem not completely or accurately identified	D - Emergency Planning	Q - Fire Protection	050-00331/2009-006
141 - Problem not properly classified or prioritized	M - Mechanical	M - Maintenance / Repair	050-00331/2009-011
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00331/2009-011
142 - Operating experience (OE) review LTA	G - Engineering	V - Troubleshooting	050-00331/2009-009
143 - Tracking / trending LTA	D - Emergency Planning	Q - Fire Protection	050-00331/2009-006
145 - Causal development LTA	M - Mechanical	M - Maintenance / Repair	050-00331/2009-011
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00331/2009-011
146 - Evaluation LTA	G - Engineering	G - Design	050-00331/2008-005
146 - Evaluation LTA	G - Engineering	V - Troubleshooting	050-00331/2009-009
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00331/2009-011
150 - Programmatic deficiency	O - Operations	O - Control Room Ops	050-00331/2009-004
Number of Items for this Docket: 15			
Percent of Total for this Docket: 29			

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

Total Number of Hits: 52

National Average: 46

2x National Average: 92

National Median: 23

Average for Selected Dockets: 52

Facility Name: Duane Arnold Docket (050- 00331)

Details	Department	Work Type	Docket/Report
Work Planning & Practices / IR			
185 - Procedural adherence LTA	M - Mechanical	F - Modification	050-00331/2008-005
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00331/2009-004
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00331/2009-004
185 - Procedural adherence LTA	D - Emergency Planning	Q - Fire Protection	050-00331/2009-006
185 - Procedural adherence LTA	G - Engineering	V - Troubleshooting	050-00331/2009-009
185 - Procedural adherence LTA	E - Electrical	S - Surveillance	050-00331/2008-005
185 - Procedural adherence LTA	E - Electrical	V - Troubleshooting	050-00331/2008-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00331/2009-004
186 - Failure to take action / meet requirements	D - Emergency Planning	Q - Fire Protection	050-00331/2009-006
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00331/2009-003
186 - Failure to take action / meet requirements	G - Engineering	V - Troubleshooting	050-00331/2009-009
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00331/2009-004
186 - Failure to take action / meet requirements	I - Instrumentation & Control	M - Maintenance / Repair	050-00331/2009-003
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00331/2009-004
186 - Failure to take action / meet requirements	D - Emergency Planning	D - Emergency Drill	050-00331/2009-004
187 - Action implementation LTA	G - Engineering	G - Design	050-00331/2008-005
187 - Action implementation LTA	G - Engineering	G - Design	050-00331/2009-004
187 - Action implementation LTA	G - Engineering	G - Design	050-00331/2009-004
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00331/2009-004
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00331/2009-003
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00331/2008-005
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00331/2009-004
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00331/2009-004
196 - Independent verification / plant tours LTA	G - Engineering	G - Design	050-00331/2009-003
Number of Items for this Docket: 24			
Percent of Total for this Docket: 46			
Communication / LER			
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00331/2009-002-00
Number of Items for this Docket: 1			
Percent of Total for this Docket: 2			

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

Total Number of Hits: 52
National Average: 46
2x National Average: 92
National Median: 23
Average for Selected Dockets: 52

Facility Name: Duane Arnold Docket (050- 00331)

Details	Department	Work Type	Docket/Report
Human-System Interface & Environmnt / LER			
170 - HSI or information availability / quality LTA	O - Operations	O - Control Room Ops	050-00331/2009-001-00
Number of Items for this Docket: 1			
Percent of Total for this Docket: 2			
Procedures & Reference Document / LER			
111 - Procedure / reference document technical content	O - Operations	O - Control Room Ops	050-00331/2009-001-00
112 - Procedure / reference document contains human factors deficienc	I - Instrumentation & Control	C - Calibration	050-00331/2009-004-00
Number of Items for this Docket: 2			
Percent of Total for this Docket: 4			
Problem Identification & Resolution / LER			
142 - Operating experience (OE) review LTA	P - Procedure Writers	P - Procedure Dev	050-00331/2009-004-00
Number of Items for this Docket: 1			
Percent of Total for this Docket: 2			
Work Planning & Practices / LER			
183 - Pre-job activities LTA	O - Operations	B - Bal of Plant Ops	050-00331/2009-002-00
186 - Failure to take action / meet requirements	I - Instrumentation & Control	C - Calibration	050-00331/2009-004-00
192 - Work untimely	O - Operations	B - Bal of Plant Ops	050-00331/2009-002-00
Number of Items for this Docket: 3			
Percent of Total for this Docket: 6			
Total Items for this Docket: 52			
