

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

Total Number of Hits: 96

National Average: 56

2x National Average: 112

National Median: 25

Average for Selected Dockets: 96

Facility Name: Byron 1 Docket (050- 00454)

Details	Department	Work Type	Docket/Report
Communication / IR			
160 - No communication / information not communicated	G - Engineering	G - Design	050-00454/2005-008
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00454/2005-003
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00454/2005-003
161 - Communication LTA	I - Instrumentation & Control	H - Health Physics	050-00454/2005-003
161 - Communication LTA	I - Instrumentation & Control	H - Health Physics	050-00454/2005-003
161 - Communication LTA	O - Operations	O - Control Room Ops	050-00454/2005-003
161 - Communication LTA	O - Operations	O - Control Room Ops	050-00454/2005-003
Number of Items for this Docket: 7			
Percent of Total for this Docket: 7			

Human-System Interface & Environmnt / IR

170 - HSI or information availability / quality LTA	G - Engineering	G - Design	050-00454/2005-002
170 - HSI or information availability / quality LTA	O - Operations	T - Testing	050-00454/2005-002
Number of Items for this Docket: 2			
Percent of Total for this Docket: 2			

Oversight / IR

130 - Inadequate suprevison / command and control	H - Health Physics	H - Health Physics	050-00454/2005-003
130 - Inadequate suprevison / command and control	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
130 - Inadequate suprevison / command and control	O - Operations	O - Control Room Ops	050-00454/2005-008
131 - Management expectations or directions LTA	O - Operations	O - Control Room Ops	050-00454/2005-003
Number of Items for this Docket: 4			
Percent of Total for this Docket: 4			

Procedures & Reference Document / IR

111 - Procedure / reference document technical content	G - Engineering	G - Design	050-00454/2005-003
111 - Procedure / reference document technical content	G - Engineering	M - Maintenance / Repair	050-00454/2004-009
111 - Procedure / reference document technical content	G - Engineering	M - Maintenance / Repair	050-00454/2004-009
111 - Procedure / reference document technical content	G - Engineering	S - Surveillance	050-00454/2005-002
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00454/2005-002
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00454/2005-009
111 - Procedure / reference document technical content	M - Mechanical	T - Testing	050-00454/2005-009
111 - Procedure / reference document technical content	O - Operations	H - Health Physics	050-00454/2005-003
113 - Procedure / reference document development and maintenance L	A - Administrative Support	A - Administrative	050-00454/2005-008
113 - Procedure / reference document development and maintenance L	G - Engineering	G - Design	050-00454/2005-008

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Procedures & Reference Document / IR			
113 - Procedure / reference document development and maintenance L	G - Engineering	O - Control Room Ops	050-00454/2005-002
113 - Procedure / reference document development and maintenance L	O - Operations	O - Control Room Ops	050-00454/2005-003
113 - Procedure / reference document development and maintenance L	O - Operations	O - Control Room Ops	050-00454/2005-008
113 - Procedure / reference document development and maintenance L	P - Procedure Writers	P - Procedure Dev	050-00454/2005-003
Number of Items for this Docket: 14			
Percent of Total for this Docket: 15			
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Problem Identification & Resolution / IR			
142 - Operating experience (OE) review LTA	G - Engineering	O - Control Room Ops	050-00454/2005-002
142 - Operating experience (OE) review LTA	H - Health Physics	M - Maintenance / Repair	050-00454/2005-008
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
142 - Operating experience (OE) review LTA	Z - Other / Unknown	Z - Other / Unknown	050-00454/2005-008
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00454/2005-002
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00454/2005-002
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00454/2005-002
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00454/2005-008
144 - Audit / self-assessment / effectiveness review LTA	O - Operations	O - Control Room Ops	050-00454/2005-002
144 - Audit / self-assessment / effectiveness review LTA	Z - Other / Unknown	Z - Other / Unknown	050-00454/2005-008
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
147 - Individual corrective action LTA	Z - Other / Unknown	Z - Other / Unknown	050-00454/2005-008
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00454/2005-004
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
149 - No action planned	B - Management	Z - Other / Unknown	050-00454/2005-008
149 - No action planned	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
149 - No action planned	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
150 - Programmatic deficiency	G - Engineering	G - Design	050-00454/2005-008
150 - Programmatic deficiency	G - Engineering	M - Maintenance / Repair	050-00454/2004-009
150 - Programmatic deficiency	O - Operations	O - Control Room Ops	050-00454/2005-008
150 - Programmatic deficiency	Z - Other / Unknown	Z - Other / Unknown	050-00454/2005-008

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Details	Department	Work Type	Docket/Report
Problem Identification & Resolution / IR			
150 - Programmatic deficiency	Z - Other / Unknown	Z - Other / Unknown	050-00454/2005-008
Number of Items for this Docket: 24			
Percent of Total for this Docket: 25			
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Training / IR			
101 - Training process problem	C - Chemistry	D - Emergency Drill	050-00454/2004-009
Number of Items for this Docket: 1			
Percent of Total for this Docket: 1			
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Work Planning & Practices / IR			
182 - Work package quality LTA	G - Engineering	G - Design	050-00454/2005-003
183 - Pre-job activities LTA	H - Health Physics	H - Health Physics	050-00454/2005-003
188 - Work practice or craft skill LTA	F - Fuel Handling	R - Refueling	050-00454/2005-009
188 - Work practice or craft skill LTA	G - Engineering	G - Design	050-00454/2005-008
188 - Work practice or craft skill LTA	G - Engineering	G - Design	050-00454/2005-008
188 - Work practice or craft skill LTA	H - Health Physics	H - Health Physics	050-00454/2005-003
188 - Work practice or craft skill LTA	I - Instrumentation & Control	C - Calibration	050-00454/2005-004
188 - Work practice or craft skill LTA	M - Mechanical	T - Testing	050-00454/2005-009
188 - Work practice or craft skill LTA	O - Operations	O - Control Room Ops	050-00454/2005-004
188 - Work practice or craft skill LTA	O - Operations	O - Control Room Ops	050-00454/2005-004
188 - Work practice or craft skill LTA	Z - Other / Unknown	Z - Other / Unknown	050-00454/2005-008
190 - Failure to stop work / non-conservative decision making	G - Engineering	T - Testing	050-00454/2005-002
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00454/2005-008
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00454/2005-003
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00454/2005-003
190 - Failure to stop work / non-conservative decision making	O - Operations	R - Refueling	050-00454/2005-003
191 - Team interactions LTA	Z - Other / Unknown	Z - Other / Unknown	050-00454/2005-008
193 - Non-conservative action	A - Administrative Support	A - Administrative	050-00454/2005-004
193 - Non-conservative action	E - Electrical	G - Design	050-00454/2005-002
193 - Non-conservative action	G - Engineering	G - Design	050-00454/2005-003
193 - Non-conservative action	M - Mechanical	S - Surveillance	050-00454/2005-003
193 - Non-conservative action	M - Mechanical	T - Testing	050-00454/2005-003
196 - Independent verification / plant tours LTA	G - Engineering	G - Design	050-00454/2005-002
197 - Self-check LTA	E - Electrical	S - Surveillance	050-00454/2005-004

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Details	Department	Work Type	Docket/Report
Work Planning & Practices / IR			
197 - Self-check LTA	H - Health Physics	H - Health Physics	050-00454/2005-003
198 - Worker distracted / interrupted	O - Operations	O - Control Room Ops	050-00454/2005-003
198 - Worker distracted / interrupted	O - Operations	Q - Fire Protection	050-00454/2005-004
Number of Items for this Docket: 27			
Percent of Total for this Docket: 28			
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Communication / LER			
161 - Communication LTA	W - Work Control / Scheduling Outage Pla	M - Maintenance / Repair	050-00454/2005-005-00
161 - Communication LTA	Z - Other / Unknown	M - Maintenance / Repair	050-00454/2005-005-00
Number of Items for this Docket: 2			
Percent of Total for this Docket: 2			
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Oversight / LER			
130 - Inadequate supervision / command and control	G - Engineering	S - Surveillance	050-00454/2005-001-00
Number of Items for this Docket: 1			
Percent of Total for this Docket: 1			
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Procedures & Reference Document / LER			
110 - No procedure / reference documents	Z - Other / Unknown	M - Maintenance / Repair	050-00454/2005-005-00
111 - Procedure / reference document technical content	O - Operations	O - Control Room Ops	050-00454/2005-001-00
111 - Procedure / reference document technical content	Z - Other / Unknown	T - Testing	050-00454/2005-005-00
112 - Procedure / reference document contains human factors deficienc	O - Operations	S - Surveillance	050-00454/2005-004-00
Number of Items for this Docket: 4			
Percent of Total for this Docket: 4			
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Problem Identification & Resolution / LER			
145 - Causal development LTA	G - Engineering	S - Surveillance	050-00454/2005-001-00
145 - Causal development LTA	W - Work Control / Scheduling Outage Pla	S - Surveillance	050-00454/2005-001-00
Number of Items for this Docket: 2			
Percent of Total for this Docket: 2			
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Work Planning & Practices / LER			
182 - Work package quality LTA	Z - Other / Unknown	M - Maintenance / Repair	050-00454/2005-005-00
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00454/2005-001-00
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00454/2005-001-00
190 - Failure to stop work / non-conservative decision making	O - Operations	P - Procedure Dev	050-00454/2005-004-00
193 - Non-conservative action	G - Engineering	S - Surveillance	050-00454/2005-001-00

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Details	Department	Work Type	Docket/Report
Work Planning & Practices / LER			
196 - Independent verification / plant tours LTA	O - Operations	P - Procedure Dev	050-00454/2005-004-00
197 - Self-check LTA	O - Operations	O - Control Room Ops	050-00454/2005-001-00
197 - Self-check LTA	Z - Other / Unknown	G - Design	050-00454/2005-001-00
Number of Items for this Docket: 8			
Percent of Total for this Docket: 8			

Total Items for this Docket: 96
