

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

Total Number of Hits: 75

National Average: 56

2x National Average: 112

National Median: 25

Average for Selected Dockets: 75

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**Facility Name: Byron 2 Docket (050- 00455)**

Details	Department	Work Type	Docket/Report
<b>Communication / IR</b>			
160 - No communication / information not communicated	G - Engineering	G - Design	050-00455/2005-008
<b>Number of Items for this Docket: 1</b>			
<b>Percent of Total for this Docket: 1</b>			
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<b>Human-System Interface &amp; Environmnt / IR</b>			
170 - HSI or information availability / quality LTA	G - Engineering	G - Design	050-00455/2005-002
170 - HSI or information availability / quality LTA	O - Operations	T - Testing	050-00455/2005-002
<b>Number of Items for this Docket: 2</b>			
<b>Percent of Total for this Docket: 3</b>			
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<b>Oversight / IR</b>			
130 - Inadequate suprevison / command and control	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
130 - Inadequate suprevison / command and control	O - Operations	O - Control Room Ops	050-00455/2005-008
<b>Number of Items for this Docket: 2</b>			
<b>Percent of Total for this Docket: 3</b>			
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<b>Procedures &amp; Reference Document / IR</b>			
111 - Procedure / reference document technical content	G - Engineering	M - Maintenance / Repair	050-00455/2004-009
111 - Procedure / reference document technical content	G - Engineering	M - Maintenance / Repair	050-00455/2004-009
111 - Procedure / reference document technical content	G - Engineering	S - Surveillance	050-00455/2005-002
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00455/2005-002
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00455/2005-009
111 - Procedure / reference document technical content	M - Mechanical	T - Testing	050-00455/2005-009
112 - Procedure / reference document contains human factors deficienc	O - Operations	O - Control Room Ops	050-00455/2004-009
113 - Procedure / reference document development and maintenance L	A - Administrative Support	A - Administrative	050-00455/2005-008
113 - Procedure / reference document development and maintenance L	G - Engineering	G - Design	050-00455/2005-008
113 - Procedure / reference document development and maintenance L	G - Engineering	O - Control Room Ops	050-00455/2005-002
113 - Procedure / reference document development and maintenance L	O - Operations	O - Control Room Ops	050-00455/2005-008
<b>Number of Items for this Docket: 11</b>			
<b>Percent of Total for this Docket: 15</b>			
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<b>Problem Identification &amp; Resolution / IR</b>			
142 - Operating experience (OE) review LTA	G - Engineering	O - Control Room Ops	050-00455/2005-002
142 - Operating experience (OE) review LTA	H - Health Physics	M - Maintenance / Repair	050-00455/2005-008
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008

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<b>Problem Identification &amp; Resolution / IR</b>			
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
142 - Operating experience (OE) review LTA	Z - Other / Unknown	Z - Other / Unknown	050-00455/2005-008
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00455/2005-002
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00455/2005-002
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00455/2005-002
144 - Audit / self-assessment / effectiveness review LTA	G - Engineering	G - Design	050-00455/2005-008
144 - Audit / self-assessment / effectiveness review LTA	O - Operations	O - Control Room Ops	050-00455/2005-002
144 - Audit / self-assessment / effectiveness review LTA	Z - Other / Unknown	Z - Other / Unknown	050-00455/2005-008
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
147 - Individual corrective action LTA	Z - Other / Unknown	Z - Other / Unknown	050-00455/2005-008
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00455/2005-004
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
149 - No action planned	B - Management	Z - Other / Unknown	050-00455/2005-008
149 - No action planned	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
149 - No action planned	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
150 - Programmatic deficiency	G - Engineering	G - Design	050-00455/2005-008
150 - Programmatic deficiency	G - Engineering	M - Maintenance / Repair	050-00455/2004-009
150 - Programmatic deficiency	O - Operations	O - Control Room Ops	050-00455/2005-008
150 - Programmatic deficiency	Z - Other / Unknown	Z - Other / Unknown	050-00455/2005-008
150 - Programmatic deficiency	Z - Other / Unknown	Z - Other / Unknown	050-00455/2005-008
<b>Number of Items for this Docket:</b> 24			
<b>Percent of Total for this Docket:</b> 32			

**Training / IR**

101 - Training process problem	C - Chemistry	D - Emergency Drill	050-00455/2004-009
<b>Number of Items for this Docket:</b> 1			
<b>Percent of Total for this Docket:</b> 1			

**Work Planning & Practices / IR**

188 - Work practice or craft skill LTA	F - Fuel Handling	R - Refueling	050-00455/2005-009
188 - Work practice or craft skill LTA	G - Engineering	G - Design	050-00455/2005-008
188 - Work practice or craft skill LTA	G - Engineering	G - Design	050-00455/2005-008
188 - Work practice or craft skill LTA	M - Mechanical	T - Testing	050-00455/2005-009
188 - Work practice or craft skill LTA	O - Operations	O - Control Room Ops	050-00455/2005-004

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Details	Department	Work Type	Docket/Report
<b>Work Planning &amp; Practices / IR</b>			
188 - Work practice or craft skill LTA	Z - Other / Unknown	Z - Other / Unknown	050-00455/2005-008
190 - Failure to stop work / non-conservative decision making	G - Engineering	T - Testing	050-00455/2005-002
190 - Failure to stop work / non-conservative decision making	G - Engineering	V - Troubleshooting	050-00455/2004-009
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00455/2005-008
191 - Team interactions LTA	Z - Other / Unknown	Z - Other / Unknown	050-00455/2005-008
193 - Non-conservative action	A - Administrative Support	A - Administrative	050-00455/2005-004
193 - Non-conservative action	E - Electrical	G - Design	050-00455/2005-002
196 - Independent verification / plant tours LTA	G - Engineering	G - Design	050-00455/2005-002
196 - Independent verification / plant tours LTA	O - Operations	Q - Fire Protection	050-00455/2005-004
197 - Self-check LTA	E - Electrical	S - Surveillance	050-00455/2005-004
198 - Worker distracted / interrupted	O - Operations	O - Control Room Ops	050-00455/2004-009
198 - Worker distracted / interrupted	O - Operations	Q - Fire Protection	050-00455/2005-004
<b>Number of Items for this Docket: 17</b>			
<b>Percent of Total for this Docket: 23</b>			
<b>Communication / LER</b>			
161 - Communication LTA	W - Work Control / Scheduling Outage Pla	M - Maintenance / Repair	050-00455/2005-005-00
161 - Communication LTA	Z - Other / Unknown	M - Maintenance / Repair	050-00455/2005-005-00
<b>Number of Items for this Docket: 2</b>			
<b>Percent of Total for this Docket: 3</b>			
<b>Oversight / LER</b>			
130 - Inadequate supervision / command and control	G - Engineering	S - Surveillance	050-00455/2005-001-00
<b>Number of Items for this Docket: 1</b>			
<b>Percent of Total for this Docket: 1</b>			
<b>Procedures &amp; Reference Document / LER</b>			
110 - No procedure / reference documents	Z - Other / Unknown	M - Maintenance / Repair	050-00455/2005-005-00
111 - Procedure / reference document technical content	O - Operations	O - Control Room Ops	050-00455/2005-001-00
111 - Procedure / reference document technical content	Z - Other / Unknown	T - Testing	050-00455/2005-005-00
112 - Procedure / reference document contains human factors deficienc	O - Operations	S - Surveillance	050-00455/2005-004-00
<b>Number of Items for this Docket: 4</b>			
<b>Percent of Total for this Docket: 5</b>			
<b>Problem Identification &amp; Resolution / LER</b>			
145 - Causal development LTA	G - Engineering	S - Surveillance	050-00455/2005-001-00

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<b>Problem Identification &amp; Resolution / LER</b>			
145 - Causal development LTA	W - Work Control / Scheduling Outage Pla	S - Surveillance	050-00455/2005-001-00
<b>Number of Items for this Docket: 2</b>			
<b>Percent of Total for this Docket: 3</b>			
<b>Work Planning &amp; Practices / LER</b>			
182 - Work package quality LTA	Z - Other / Unknown	M - Maintenance / Repair	050-00455/2005-005-00
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00455/2005-001-00
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00455/2005-001-00
190 - Failure to stop work / non-conservative decision making	O - Operations	P - Procedure Dev	050-00455/2005-004-00
193 - Non-conservative action	G - Engineering	S - Surveillance	050-00455/2005-001-00
196 - Independent verification / plant tours LTA	O - Operations	P - Procedure Dev	050-00455/2005-004-00
197 - Self-check LTA	O - Operations	O - Control Room Ops	050-00455/2005-001-00
197 - Self-check LTA	Z - Other / Unknown	G - Design	050-00455/2005-001-00
<b>Number of Items for this Docket: 8</b>			
<b>Percent of Total for this Docket: 11</b>			
<b>Total Items for this Docket: 75</b>			

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