

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

Total Number of Hits: 187

National Average: 43

2x National Average: 86

National Median: 24

Average for Selected Dockets: 187

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**Facility Name: Palo Verde 2 Docket (050- 00529)**

Details	Department	Work Type	Docket/Report
<b>Communication / IR</b>			
160 - No communication / information not communicated	A - Administrative Support	M - Maintenance / Repair	050-00529/2006-004
160 - No communication / information not communicated	G - Engineering	G - Design	050-00529/2005-005
160 - No communication / information not communicated	G - Engineering	G - Design	050-00529/2006-010
160 - No communication / information not communicated	L - Licensing / regulatory affairs	A - Administrative	050-00529/2006-004
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00529/2005-005
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00529/2006-003
162 - Communication Equipment LTA	Z - Other / Unknown	Z - Other / Unknown	050-00529/2006-008
<b>Number of Items for this Docket: 7</b>			
<b>Percent of Total for this Docket: 4</b>			
<b>Fitness for Duty / IR</b>			
120 - Testing LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
123 - Self-declaration LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
125 - Work hour control	O - Operations	O - Control Room Ops	050-00529/2006-003
<b>Number of Items for this Docket: 3</b>			
<b>Percent of Total for this Docket: 2</b>			
<b>Human-System Interface &amp; Environmnt / IR</b>			
170 - HSI or information availability / quality LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
173 - Physical conditions LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
<b>Number of Items for this Docket: 2</b>			
<b>Percent of Total for this Docket: 1</b>			
<b>Oversight / IR</b>			
130 - Inadequate suprevison / command and control	G - Engineering	G - Design	050-00529/2006-010
130 - Inadequate suprevison / command and control	O - Operations	O - Control Room Ops	050-00529/2006-003
130 - Inadequate suprevison / command and control	X - Site-wide	X - Site-wide	050-00529/2006-008
131 - Management expectations or directions LTA	G - Engineering	G - Design	050-00529/2006-010
131 - Management expectations or directions LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
131 - Management expectations or directions LTA	X - Site-wide	X - Site-wide	050-00529/2006-008
<b>Number of Items for this Docket: 6</b>			
<b>Percent of Total for this Docket: 3</b>			
<b>Procedures &amp; Reference Document / IR</b>			
110 - No procedure / reference documents	G - Engineering	G - Design	050-00529/2005-005
110 - No procedure / reference documents	O - Operations	O - Control Room Ops	050-00529/2005-005

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Details	Department	Work Type	Docket/Report
<b>Procedures &amp; Reference Document / IR</b>			
110 - No procedure / reference documents	O - Operations	O - Control Room Ops	050-00529/2005-005
111 - Procedure / reference document technical content	C - Chemistry	Z - Other / Unknown	050-00529/2006-011
111 - Procedure / reference document technical content	E - Electrical	S - Surveillance	050-00529/2006-002
111 - Procedure / reference document technical content	G - Engineering	G - Design	050-00529/2006-011
113 - Procedure / reference document development and maintenance L	A - Administrative Support	M - Maintenance / Repair	050-00529/2006-004
113 - Procedure / reference document development and maintenance L	C - Chemistry	X - Site-wide	050-00529/2006-011
113 - Procedure / reference document development and maintenance L	C - Chemistry	Z - Other / Unknown	050-00529/2006-011
113 - Procedure / reference document development and maintenance L	L - Licensing / regulatory affairs	A - Administrative	050-00529/2006-004
113 - Procedure / reference document development and maintenance L	O - Operations	O - Control Room Ops	050-00529/2006-003
113 - Procedure / reference document development and maintenance L	X - Site-wide	X - Site-wide	050-00529/2006-010
113 - Procedure / reference document development and maintenance L	X - Site-wide	X - Site-wide	050-00529/2006-011
<b>Number of Items for this Docket: 13</b>			
<b>Percent of Total for this Docket: 7</b>			
<b>Problem Identification &amp; Resolution / IR</b>			
140 - Problem not completely or accurately identified	C - Chemistry	V - Troubleshooting	050-00529/2006-011
140 - Problem not completely or accurately identified	D - Emergency Planning	D - Emergency Drill	050-00529/2006-008
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00529/2006-004
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00529/2006-011
140 - Problem not completely or accurately identified	M - Mechanical	T - Testing	050-00529/2006-004
140 - Problem not completely or accurately identified	O - Operations	O - Control Room Ops	050-00529/2006-003
140 - Problem not completely or accurately identified	X - Site-wide	X - Site-wide	050-00529/2006-010
142 - Operating experience (OE) review LTA	C - Chemistry	Z - Other / Unknown	050-00529/2006-011
142 - Operating experience (OE) review LTA	O - Operations	O - Control Room Ops	050-00529/2006-010
142 - Operating experience (OE) review LTA	O - Operations	O - Control Room Ops	050-00529/2006-011
142 - Operating experience (OE) review LTA	X - Site-wide	X - Site-wide	050-00529/2006-008
142 - Operating experience (OE) review LTA	Z - Other / Unknown	Z - Other / Unknown	050-00529/2006-004
143 - Tracking / trending LTA	C - Chemistry	Z - Other / Unknown	050-00529/2006-011
143 - Tracking / trending LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
143 - Tracking / trending LTA	X - Site-wide	X - Site-wide	050-00529/2006-008
144 - Audit / self-assessment / effectiveness review LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2005-005
144 - Audit / self-assessment / effectiveness review LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2005-005
144 - Audit / self-assessment / effectiveness review LTA	O - Operations	O - Control Room Ops	050-00529/2005-005

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<b>Problem Identification &amp; Resolution / IR</b>			
144 - Audit / self-assessment / effectiveness review LTA	X - Site-wide	X - Site-wide	050-00529/2006-008
144 - Audit / self-assessment / effectiveness review LTA	X - Site-wide	X - Site-wide	050-00529/2006-011
145 - Causal development LTA	G - Engineering	G - Design	050-00529/2006-011
145 - Causal development LTA	X - Site-wide	X - Site-wide	050-00529/2006-008
145 - Causal development LTA	X - Site-wide	X - Site-wide	050-00529/2006-008
146 - Evaluation LTA	E - Electrical	S - Surveillance	050-00529/2006-004
146 - Evaluation LTA	G - Engineering	G - Design	050-00529/2006-011
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2006-004
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00529/2006-004
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00529/2006-011
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00529/2006-011
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00529/2006-011
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00529/2006-011
146 - Evaluation LTA	X - Site-wide	X - Site-wide	050-00529/2006-010
146 - Evaluation LTA	X - Site-wide	X - Site-wide	050-00529/2006-011
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2006-008
148 - Action not yet started or untimely	H - Health Physics	H - Health Physics	050-00529/2005-005
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00529/2005-005
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00529/2005-005
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00529/2006-004
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00529/2006-008
148 - Action not yet started or untimely	O - Operations	O - Control Room Ops	050-00529/2005-005
148 - Action not yet started or untimely	X - Site-wide	X - Site-wide	050-00529/2006-008
150 - Programmatic deficiency	B - Management	B - Bal of Plant Ops	050-00529/2005-005
150 - Programmatic deficiency	C - Chemistry	Z - Other / Unknown	050-00529/2006-011
150 - Programmatic deficiency	G - Engineering	G - Design	050-00529/2005-005
150 - Programmatic deficiency	G - Engineering	G - Design	050-00529/2006-010
150 - Programmatic deficiency	I - Instrumentation & Control	M - Maintenance / Repair	050-00529/2005-005
150 - Programmatic deficiency	M - Mechanical	M - Maintenance / Repair	050-00529/2006-004
150 - Programmatic deficiency	O - Operations	O - Control Room Ops	050-00529/2006-004
150 - Programmatic deficiency	O - Operations	O - Control Room Ops	050-00529/2006-011



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**Facility Name: Palo Verde 2 Docket (050- 00529)**

Details	Department	Work Type	Docket/Report
<b>Work Planning &amp; Practices / IR</b>			
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00529/2006-011
185 - Procedural adherence LTA	X - Site-wide	X - Site-wide	050-00529/2006-010
185 - Procedural adherence LTA	Z - Other / Unknown	Z - Other / Unknown	050-00529/2006-003
185 - Procedural adherence LTA	Z - Other / Unknown	Z - Other / Unknown	050-00529/2006-004
186 - Failure to take action / meet requirements	C - Chemistry	V - Troubleshooting	050-00529/2006-011
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00529/2006-004
187 - Action implementation LTA	C - Chemistry	G - Design	050-00529/2006-010
187 - Action implementation LTA	E - Electrical	G - Design	050-00529/2006-002
187 - Action implementation LTA	E - Electrical	G - Design	050-00529/2006-002
187 - Action implementation LTA	G - Engineering	G - Design	050-00529/2006-003
187 - Action implementation LTA	G - Engineering	G - Design	050-00529/2006-010
187 - Action implementation LTA	G - Engineering	G - Design	050-00529/2006-010
187 - Action implementation LTA	G - Engineering	G - Design	050-00529/2006-011
187 - Action implementation LTA	G - Engineering	G - Design	050-00529/2006-011
187 - Action implementation LTA	G - Engineering	T - Testing	050-00529/2006-011
188 - Work practice or craft skill LTA	C - Chemistry	Z - Other / Unknown	050-00529/2006-011
188 - Work practice or craft skill LTA	G - Engineering	G - Design	050-00529/2006-010
188 - Work practice or craft skill LTA	H - Health Physics	H - Health Physics	050-00529/2005-005
188 - Work practice or craft skill LTA	H - Health Physics	H - Health Physics	050-00529/2005-005
188 - Work practice or craft skill LTA	I - Instrumentation & Control	M - Maintenance / Repair	050-00529/2005-005
188 - Work practice or craft skill LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2005-005
188 - Work practice or craft skill LTA	O - Operations	O - Control Room Ops	050-00529/2005-005
188 - Work practice or craft skill LTA	W - Work Control / Scheduling Outage Pla	A - Administrative	050-00529/2005-005
189 - Recognition of adverse condition / questioning attitude LTA	C - Chemistry	V - Troubleshooting	050-00529/2006-011
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00529/2006-010
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00529/2006-010
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00529/2006-010
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00529/2006-010
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00529/2006-010

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Details	Department	Work Type	Docket/Report
<b>Work Planning &amp; Practices / IR</b>			
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00529/2006-011
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00529/2006-011
189 - Recognition of adverse condition / questioning attitude LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2006-004
189 - Recognition of adverse condition / questioning attitude LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2006-010
189 - Recognition of adverse condition / questioning attitude LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2006-011
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00529/2006-010
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00529/2006-011
190 - Failure to stop work / non-conservative decision making	C - Chemistry	Z - Other / Unknown	050-00529/2006-011
190 - Failure to stop work / non-conservative decision making	D - Emergency Planning	D - Emergency Drill	050-00529/2006-002
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00529/2005-005
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00529/2006-010
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00529/2006-011
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00529/2006-008
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00529/2006-003
191 - Team interactions LTA	X - Site-wide	X - Site-wide	050-00529/2006-011
196 - Independent verification / plant tours LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
196 - Independent verification / plant tours LTA	O - Operations	O - Control Room Ops	050-00529/2006-003
198 - Worker distracted / interrupted	O - Operations	O - Control Room Ops	050-00529/2006-003

**Number of Items for this Docket: 69****Percent of Total for this Docket: 37****Oversight / LER**

130 - Inadequate supervision / command and control	B - Management	A - Administrative	050-00529/2006-006-01
130 - Inadequate supervision / command and control	B - Management	A - Administrative	050-00529/2006-006-01
130 - Inadequate supervision / command and control	G - Engineering	V - Troubleshooting	050-00529/2006-001-01
131 - Management expectations or directions LTA	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01
131 - Management expectations or directions LTA	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01

**Number of Items for this Docket: 5****Percent of Total for this Docket: 3****Procedures & Reference Document / LER**

110 - No procedure / reference documents	O - Operations	M - Maintenance / Repair	050-00529/2006-003-01
111 - Procedure / reference document technical content	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01

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Details	Department	Work Type	Docket/Report
<b>Procedures &amp; Reference Document / LER</b>			
111 - Procedure / reference document technical content	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01
111 - Procedure / reference document technical content	E - Electrical	M - Maintenance / Repair	050-00529/2006-006-01
111 - Procedure / reference document technical content	G - Engineering	V - Troubleshooting	050-00529/2006-001-01
111 - Procedure / reference document technical content	O - Operations	T - Testing	050-00529/2006-004-00
<b>Number of Items for this Docket: 6</b>			
<b>Percent of Total for this Docket: 3</b>			
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<b>Problem Identification &amp; Resolution / LER</b>			
140 - Problem not completely or accurately identified	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01
140 - Problem not completely or accurately identified	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01
147 - Individual corrective action LTA	G - Engineering	V - Troubleshooting	050-00529/2006-001-01
149 - No action planned	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01
149 - No action planned	C - Chemistry	M - Maintenance / Repair	050-00529/2006-006-01
150 - Programmatic deficiency	E - Electrical	V - Troubleshooting	050-00529/2006-006-01
150 - Programmatic deficiency	G - Engineering	V - Troubleshooting	050-00529/2006-006-01
<b>Number of Items for this Docket: 7</b>			
<b>Percent of Total for this Docket: 4</b>			
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<b>Work Planning &amp; Practices / LER</b>			
180 - Scheduling and planning LTA	M - Mechanical	M - Maintenance / Repair	050-00529/2006-001-01
180 - Scheduling and planning LTA	O - Operations	M - Maintenance / Repair	050-00529/2006-003-01
181 - Inadequate staffing / task allocation	G - Engineering	V - Troubleshooting	050-00529/2006-001-01
182 - Work package quality LTA	E - Electrical	V - Troubleshooting	050-00529/2006-006-01
182 - Work package quality LTA	O - Operations	M - Maintenance / Repair	050-00529/2006-003-01
185 - Procedural adherence LTA	O - Operations	Q - Fire Protection	050-00529/2006-002-00
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	V - Troubleshooting	050-00529/2006-006-01
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	M - Maintenance / Repair	050-00529/2006-003-01
190 - Failure to stop work / non-conservative decision making	B - Management	V - Troubleshooting	050-00529/2006-001-01
192 - Work untimely	G - Engineering	V - Troubleshooting	050-00529/2006-001-01
197 - Self-check LTA	O - Operations	Q - Fire Protection	050-00529/2006-002-00
<b>Number of Items for this Docket: 11</b>			
<b>Percent of Total for this Docket: 6</b>			

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**Total Items for this Docket: 187**

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