

**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

**Facility Name: Palo Verde 1 Docket (050- 00528)**

Details	Department	Work Type	Docket/Report
<b>Communication / IR</b>			
160 - No communication / information not communicated	B - Management	X - Site-wide	050-00528/2007-012
160 - No communication / information not communicated	B - Management	X - Site-wide	050-00528/2007-012
160 - No communication / information not communicated	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
161 - Communication LTA	B - Management	X - Site-wide	050-00528/2007-012
161 - Communication LTA	B - Management	X - Site-wide	050-00528/2007-012
<b>Number of Items for this Docket: 5</b>			
<b>Percent of Total for this Docket: 3</b>			

<b>Fitness for Duty / IR</b>			
125 - Work hour control	O - Operations	O - Control Room Ops	050-00528/2008-002
<b>Number of Items for this Docket: 1</b>			
<b>Percent of Total for this Docket: 1</b>			

<b>Human-System Interface &amp; Environmnt / IR</b>			
170 - HSI or information availability / quality LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
<b>Number of Items for this Docket: 1</b>			
<b>Percent of Total for this Docket: 1</b>			

<b>Oversight / IR</b>			
130 - Inadequate suprevison / command and control	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	G - Design	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	M - Maintenance / Repair	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	O - Control Room Ops	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	O - Control Room Ops	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
131 - Management expectations or directions LTA	B - Management	X - Site-wide	050-00528/2007-012
<b>Number of Items for this Docket: 14</b>			
<b>Percent of Total for this Docket: 9</b>			

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**Facility Name: Palo Verde 1 Docket (050- 00528)**

Details	Department	Work Type	Docket/Report
<b>Procedures &amp; Reference Document / IR</b>			
111 - Procedure / reference document technical content	G - Engineering	G - Design	050-00528/2008-002
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
111 - Procedure / reference document technical content	O - Operations	O - Control Room Ops	050-00528/2008-002
113 - Procedure / reference document development and maintenance L	A - Administrative Support	A - Administrative	050-00528/2007-012
113 - Procedure / reference document development and maintenance L	G - Engineering	G - Design	050-00528/2007-005
<b>Number of Items for this Docket: 5</b>			
<b>Percent of Total for this Docket: 3</b>			

<b>Problem Identification &amp; Resolution / IR</b>			
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00528/2007-012
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00528/2007-012
141 - Problem not properly classified or prioritized	M - Mechanical	M - Maintenance / Repair	050-00528/2007-012
141 - Problem not properly classified or prioritized	O - Operations	O - Control Room Ops	050-00528/2007-012
142 - Operating experience (OE) review LTA	G - Engineering	G - Design	050-00528/2007-012
142 - Operating experience (OE) review LTA	G - Engineering	G - Design	050-00528/2008-002
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
142 - Operating experience (OE) review LTA	O - Operations	O - Control Room Ops	050-00528/2008-002
144 - Audit / self-assessment / effectiveness review LTA	B - Management	X - Site-wide	050-00528/2007-012
144 - Audit / self-assessment / effectiveness review LTA	X - Site-wide	X - Site-wide	050-00528/2007-012
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2007-012
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2007-012
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2007-012
146 - Evaluation LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-012
146 - Evaluation LTA	O - Operations	G - Design	050-00528/2007-012
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2007-005
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2007-005
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2007-012
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2007-012
146 - Evaluation LTA	X - Site-wide	X - Site-wide	050-00528/2007-012
147 - Individual corrective action LTA	G - Engineering	G - Design	050-00528/2007-005
147 - Individual corrective action LTA	O - Operations	O - Control Room Ops	050-00528/2007-005
147 - Individual corrective action LTA	O - Operations	O - Control Room Ops	050-00528/2007-005

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**Facility Name: Palo Verde 1 Docket (050- 00528)**

Details	Department	Work Type	Docket/Report
<b>Problem Identification &amp; Resolution / IR</b>			
148 - Action not yet started or untimely	B - Management	X - Site-wide	050-00528/2007-012
148 - Action not yet started or untimely	G - Engineering	G - Design	050-00528/2007-012
148 - Action not yet started or untimely	X - Site-wide	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	B - Management	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	B - Management	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	B - Management	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	B - Management	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	B - Management	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	B - Management	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	G - Engineering	G - Design	050-00528/2007-005
150 - Programmatic deficiency	G - Engineering	G - Design	050-00528/2007-012
150 - Programmatic deficiency	M - Mechanical	M - Maintenance / Repair	050-00528/2007-012
150 - Programmatic deficiency	S - Specialized task force	W - Assessment	050-00528/2007-012
150 - Programmatic deficiency	X - Site-wide	X - Site-wide	050-00528/2007-012
150 - Programmatic deficiency	X - Site-wide	X - Site-wide	050-00528/2007-012
151 - Willingness to raise concerns LTA	B - Management	X - Site-wide	050-00528/2007-012
<b>Number of Items for this Docket: 40</b>			
<b>Percent of Total for this Docket: 27</b>			

Training / IR	Department	Work Type	Docket/Report
100 - Training LTA	C - Chemistry	X - Site-wide	050-00528/2007-012
100 - Training LTA	T - Training	N - Training	050-00528/2008-002
101 - Training process problem	Q - Quality assurance / oversight	G - Design	050-00528/2008-002
102 - Individual knowledge LTA	G - Engineering	G - Design	050-00528/2007-005
102 - Individual knowledge LTA	G - Engineering	G - Design	050-00528/2007-012
102 - Individual knowledge LTA	O - Operations	O - Control Room Ops	050-00528/2007-012
<b>Number of Items for this Docket: 6</b>			
<b>Percent of Total for this Docket: 4</b>			

Work Planning & Practices / IR	Department	Work Type	Docket/Report
180 - Scheduling and planning LTA	G - Engineering	G - Design	050-00528/2007-005
180 - Scheduling and planning LTA	O - Operations	O - Control Room Ops	050-00528/2008-002
180 - Scheduling and planning LTA	X - Site-wide	X - Site-wide	050-00528/2007-012
181 - Inadequate staffing / task allocation	G - Engineering	G - Design	050-00528/2007-005

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Details	Department	Work Type	Docket/Report
<b>Work Planning &amp; Practices / IR</b>			
181 - Inadequate staffing / task allocation	O - Operations	O - Control Room Ops	050-00528/2008-002
181 - Inadequate staffing / task allocation	X - Site-wide	X - Site-wide	050-00528/2007-012
182 - Work package quality LTA	G - Engineering	V - Troubleshooting	050-00528/2008-002
182 - Work package quality LTA	G - Engineering	V - Troubleshooting	050-00528/2008-002
182 - Work package quality LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
182 - Work package quality LTA	M - Mechanical	V - Troubleshooting	050-00528/2008-002
182 - Work package quality LTA	M - Mechanical	V - Troubleshooting	050-00528/2008-002
182 - Work package quality LTA	O - Operations	V - Troubleshooting	050-00528/2008-002
182 - Work package quality LTA	O - Operations	V - Troubleshooting	050-00528/2008-002
183 - Pre-job activities LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
183 - Pre-job activities LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
183 - Pre-job activities LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
183 - Pre-job activities LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
185 - Procedural adherence LTA	G - Engineering	G - Design	050-00528/2007-012
185 - Procedural adherence LTA	G - Engineering	G - Design	050-00528/2008-002
185 - Procedural adherence LTA	G - Engineering	G - Design	050-00528/2008-002
185 - Procedural adherence LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
185 - Procedural adherence LTA	I - Instrumentation & Control	T - Testing	050-00528/2008-002
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-012
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
185 - Procedural adherence LTA	M - Mechanical	O - Control Room Ops	050-00528/2007-012
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2007-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2007-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2008-002
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2008-002
185 - Procedural adherence LTA	X - Site-wide	X - Site-wide	050-00528/2007-012
186 - Failure to take action / meet requirements	G - Engineering	G - Design	050-00528/2007-005
186 - Failure to take action / meet requirements	G - Engineering	G - Design	050-00528/2008-002
186 - Failure to take action / meet requirements	H - Health Physics	H - Health Physics	050-00528/2007-005

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Details	Department	Work Type	Docket/Report
<b>Work Planning &amp; Practices / IR</b>			
186 - Failure to take action / meet requirements	I - Instrumentation & Control	T - Testing	050-00528/2008-002
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
186 - Failure to take action / meet requirements	Q - Quality assurance / oversight	F - Modification	050-00528/2008-002
186 - Failure to take action / meet requirements	Q - Quality assurance / oversight	G - Design	050-00528/2008-002
186 - Failure to take action / meet requirements	Q - Quality assurance / oversight	Z - Other / Unknown	050-00528/2008-002
186 - Failure to take action / meet requirements	T - Training	N - Training	050-00528/2008-002
186 - Failure to take action / meet requirements	X - Site-wide	X - Site-wide	050-00528/2007-012
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-012
188 - Work practice or craft skill LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
188 - Work practice or craft skill LTA	H - Health Physics	H - Health Physics	050-00528/2007-005
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00528/2007-012
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00528/2007-012
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00528/2008-002
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00528/2008-002
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00528/2008-002
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00528/2007-012
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-005
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-005
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-012
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-012
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-012
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2008-002
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2008-002
191 - Team interactions LTA	G - Engineering	G - Design	050-00528/2008-002
191 - Team interactions LTA	G - Engineering	G - Design	050-00528/2008-002
191 - Team interactions LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
191 - Team interactions LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2008-002
191 - Team interactions LTA	O - Operations	O - Control Room Ops	050-00528/2008-002

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Details	Department	Work Type	Docket/Report
<b>Work Planning &amp; Practices / IR</b>			
191 - Team interactions LTA	O - Operations	O - Control Room Ops	050-00528/2008-002
194 - Housekeeping LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-005
194 - Housekeeping LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-012
197 - Self-check LTA	X - Site-wide	X - Site-wide	050-00528/2007-012
<b>Number of Items for this Docket: 72</b>			
<b>Percent of Total for this Docket: 48</b>			
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<b>Communication / LER</b>			
161 - Communication LTA	O - Operations	O - Control Room Ops	050-00528/2008-003-00
<b>Number of Items for this Docket: 1</b>			
<b>Percent of Total for this Docket: 1</b>			
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<b>Oversight / LER</b>			
131 - Management expectations or directions LTA	O - Operations	O - Control Room Ops	050-00528/2008-003-00
<b>Number of Items for this Docket: 1</b>			
<b>Percent of Total for this Docket: 1</b>			
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<b>Problem Identification &amp; Resolution / LER</b>			
141 - Problem not properly classified or prioritized	O - Operations	O - Control Room Ops	050-00528/2008-003-00
<b>Number of Items for this Docket: 1</b>			
<b>Percent of Total for this Docket: 1</b>			
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<b>Work Planning &amp; Practices / LER</b>			
183 - Pre-job activities LTA	O - Operations	O - Control Room Ops	050-00528/2008-003-00
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2008-003-00
<b>Number of Items for this Docket: 2</b>			
<b>Percent of Total for this Docket: 1</b>			
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<b>Total Items for this Docket: 149</b>			