

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

Total Number of Hits: 202

National Average: 41

2x National Average: 82

National Median: 24

Average for Selected Dockets: 202

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

Details	Department	Work Type	Docket/Report
Communication / IR			
160 - No communication / information not communicated	G - Engineering	G - Design	050-00528/2007-007
160 - No communication / information not communicated	G - Engineering	M - Maintenance / Repair	050-00528/2006-005
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00528/2007-007
160 - No communication / information not communicated	O - Operations	O - Control Room Ops	050-00528/2007-007
161 - Communication LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
161 - Communication LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
Number of Items for this Docket: 6			
Percent of Total for this Docket: 3			
Fitness for Duty / IR			
125 - Work hour control	O - Operations	O - Control Room Ops	050-00528/2006-005
125 - Work hour control	O - Operations	O - Control Room Ops	050-00528/2006-005
126 - Task design / work environment	O - Operations	O - Control Room Ops	050-00528/2006-005
126 - Task design / work environment	O - Operations	O - Control Room Ops	050-00528/2006-005
Number of Items for this Docket: 4			
Percent of Total for this Docket: 2			
Human-System Interface & Environmnt / IR			
170 - HSI or information availability / quality LTA	D - Emergency Planning	Q - Fire Protection	050-00528/2007-008
170 - HSI or information availability / quality LTA	D - Emergency Planning	Q - Fire Protection	050-00528/2007-008
Number of Items for this Docket: 2			
Percent of Total for this Docket: 1			
Oversight / IR			
130 - Inadequate suprevison / command and control	O - Operations	O - Control Room Ops	050-00528/2006-005
130 - Inadequate suprevison / command and control	O - Operations	O - Control Room Ops	050-00528/2006-005
130 - Inadequate suprevison / command and control	O - Operations	O - Control Room Ops	050-00528/2006-005
130 - Inadequate suprevison / command and control	Y - Shipping / transportation	Y - Shipping / transportatic	050-00528/2007-010
131 - Management expectations or directions LTA	D - Emergency Planning	Q - Fire Protection	050-00528/2007-008
131 - Management expectations or directions LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
131 - Management expectations or directions LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
Number of Items for this Docket: 7			
Percent of Total for this Docket: 3			
Procedures & Reference Document / IR			
111 - Procedure / reference document technical content	D - Emergency Planning	Q - Fire Protection	050-00528/2007-008

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

Details	Department	Work Type	Docket/Report
Procedures & Reference Document / IR			
111 - Procedure / reference document technical content	G - Engineering	G - Design	050-00528/2006-005
111 - Procedure / reference document technical content	G - Engineering	G - Design	050-00528/2007-002
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
111 - Procedure / reference document technical content	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
111 - Procedure / reference document technical content	O - Operations	O - Control Room Ops	050-00528/2007-004
111 - Procedure / reference document technical content	P - Procedure Writers	P - Procedure Dev	050-00528/2007-007
111 - Procedure / reference document technical content	P - Procedure Writers	P - Procedure Dev	050-00528/2007-007
111 - Procedure / reference document technical content	P - Procedure Writers	P - Procedure Dev	050-00528/2007-007
111 - Procedure / reference document technical content	P - Procedure Writers	P - Procedure Dev	050-00528/2007-011
113 - Procedure / reference document development and maintenance L	G - Engineering	G - Design	050-00528/2007-007
113 - Procedure / reference document development and maintenance L	G - Engineering	G - Design	050-00528/2007-007
113 - Procedure / reference document development and maintenance L	G - Engineering	G - Design	050-00528/2007-007
113 - Procedure / reference document development and maintenance L	G - Engineering	G - Design	050-00528/2007-011
113 - Procedure / reference document development and maintenance L	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
113 - Procedure / reference document development and maintenance L	P - Procedure Writers	G - Design	050-00528/2007-007
113 - Procedure / reference document development and maintenance L	P - Procedure Writers	G - Design	050-00528/2007-007
Number of Items for this Docket: 18			
Percent of Total for this Docket: 9			

Problem Identification & Resolution / IR

140 - Problem not completely or accurately identified	D - Emergency Planning	D - Emergency Drill	050-00528/2007-004
140 - Problem not completely or accurately identified	E - Electrical	M - Maintenance / Repair	050-00528/2007-007
140 - Problem not completely or accurately identified	F - Fuel Handling	R - Refueling	050-00528/2007-003
140 - Problem not completely or accurately identified	F - Fuel Handling	R - Refueling	050-00528/2007-003
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00528/2007-002
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00528/2007-003
140 - Problem not completely or accurately identified	G - Engineering	G - Design	050-00528/2007-011
140 - Problem not completely or accurately identified	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
140 - Problem not completely or accurately identified	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
140 - Problem not completely or accurately identified	M - Mechanical	M - Maintenance / Repair	050-00528/2007-011
140 - Problem not completely or accurately identified	O - Operations	O - Control Room Ops	050-00528/2007-007
140 - Problem not completely or accurately identified	T - Training	N - Training	050-00528/2007-007

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

Details	Department	Work Type	Docket/Report
Problem Identification & Resolution / IR			
140 - Problem not completely or accurately identified	Z - Other / Unknown	Z - Other / Unknown	050-00528/2007-003
141 - Problem not properly classified or prioritized	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
142 - Operating experience (OE) review LTA	D - Emergency Planning	Q - Fire Protection	050-00528/2007-008
142 - Operating experience (OE) review LTA	G - Engineering	G - Design	050-00528/2007-003
142 - Operating experience (OE) review LTA	M - Mechanical	G - Design	050-00528/2007-007
142 - Operating experience (OE) review LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
144 - Audit / self-assessment / effectiveness review LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
145 - Causal development LTA	H - Health Physics	H - Health Physics	050-00528/2007-010
145 - Causal development LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	E - Electrical	M - Maintenance / Repair	050-00528/2007-011
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2006-005
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2006-005
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2006-005
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2007-002
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2007-007
146 - Evaluation LTA	G - Engineering	G - Design	050-00528/2007-011
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2007-002
146 - Evaluation LTA	O - Operations	O - Control Room Ops	050-00528/2007-007
146 - Evaluation LTA	S - Specialized task force	W - Assessment	050-00528/2007-007
146 - Evaluation LTA	S - Specialized task force	W - Assessment	050-00528/2007-007
146 - Evaluation LTA	S - Specialized task force	W - Assessment	050-00528/2007-007
146 - Evaluation LTA	S - Specialized task force	W - Assessment	050-00528/2007-007

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

Details	Department	Work Type	Docket/Report
Problem Identification & Resolution / IR			
147 - Individual corrective action LTA	E - Electrical	M - Maintenance / Repair	050-00528/2007-007
147 - Individual corrective action LTA	E - Electrical	T - Testing	050-00528/2007-011
147 - Individual corrective action LTA	H - Health Physics	H - Health Physics	050-00528/2007-010
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
147 - Individual corrective action LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-011
148 - Action not yet started or untimely	C - Chemistry	Z - Other / Unknown	050-00528/2007-007
148 - Action not yet started or untimely	C - Chemistry	Z - Other / Unknown	050-00528/2007-007
148 - Action not yet started or untimely	D - Emergency Planning	D - Emergency Drill	050-00528/2007-004
148 - Action not yet started or untimely	G - Engineering	G - Design	050-00528/2006-005
148 - Action not yet started or untimely	G - Engineering	G - Design	050-00528/2007-003
148 - Action not yet started or untimely	G - Engineering	G - Design	050-00528/2007-007
148 - Action not yet started or untimely	G - Engineering	G - Design	050-00528/2007-007
148 - Action not yet started or untimely	G - Engineering	G - Design	050-00528/2007-007
148 - Action not yet started or untimely	G - Engineering	G - Design	050-00528/2007-011
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
148 - Action not yet started or untimely	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
148 - Action not yet started or untimely	Z - Other / Unknown	Z - Other / Unknown	050-00528/2007-003
150 - Programmatic deficiency	G - Engineering	G - Design	050-00528/2007-007
150 - Programmatic deficiency	H - Health Physics	H - Health Physics	050-00528/2007-010
150 - Programmatic deficiency	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
150 - Programmatic deficiency	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
150 - Programmatic deficiency	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
150 - Programmatic deficiency	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
150 - Programmatic deficiency	Z - Other / Unknown	Z - Other / Unknown	050-00528/2007-003

Number of Items for this Docket: 73

Percent of Total for this Docket: 36

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

Details	Department	Work Type	Docket/Report
Work Planning & Practices / IR			
181 - Inadequate staffing / task allocation	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
181 - Inadequate staffing / task allocation	O - Operations	O - Control Room Ops	050-00528/2006-005
181 - Inadequate staffing / task allocation	O - Operations	O - Control Room Ops	050-00528/2006-005
181 - Inadequate staffing / task allocation	O - Operations	O - Control Room Ops	050-00528/2007-004
183 - Pre-job activities LTA	G - Engineering	G - Design	050-00528/2006-005
183 - Pre-job activities LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
183 - Pre-job activities LTA	O - Operations	O - Control Room Ops	050-00528/2007-004
184 - Tag outs LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
185 - Procedural adherence LTA	F - Fuel Handling	R - Refueling	050-00528/2007-003
185 - Procedural adherence LTA	F - Fuel Handling	R - Refueling	050-00528/2007-003
185 - Procedural adherence LTA	G - Engineering	G - Design	050-00528/2006-005
185 - Procedural adherence LTA	G - Engineering	G - Design	050-00528/2007-002
185 - Procedural adherence LTA	H - Health Physics	H - Health Physics	050-00528/2007-010
185 - Procedural adherence LTA	H - Health Physics	H - Health Physics	050-00528/2007-010
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-002
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-003
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-003
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
185 - Procedural adherence LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2007-002
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2007-002
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2007-003
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2007-003

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Details	Department	Work Type	Docket/Report
Work Planning & Practices / IR			
185 - Procedural adherence LTA	O - Operations	O - Control Room Ops	050-00528/2007-004
185 - Procedural adherence LTA	Y - Shipping / transportation	Y - Shipping / transportatic	050-00528/2007-010
186 - Failure to take action / meet requirements	E - Electrical	M - Maintenance / Repair	050-00528/2007-011
186 - Failure to take action / meet requirements	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
186 - Failure to take action / meet requirements	M - Mechanical	S - Surveillance	050-00528/2007-011
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00528/2007-002
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00528/2007-011
187 - Action implementation LTA	D - Emergency Planning	Q - Fire Protection	050-00528/2007-008
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2006-005
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2006-005
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2006-005
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-002
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-007
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-007
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-007
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-007
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-007
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-007
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-007
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-011
187 - Action implementation LTA	G - Engineering	G - Design	050-00528/2007-011
188 - Work practice or craft skill LTA	G - Engineering	G - Design	050-00528/2006-005
188 - Work practice or craft skill LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
189 - Recognition of adverse condition / questioning attitude LTA	D - Emergency Planning	D - Emergency Drill	050-00528/2007-004
189 - Recognition of adverse condition / questioning attitude LTA	F - Fuel Handling	R - Refueling	050-00528/2007-003
189 - Recognition of adverse condition / questioning attitude LTA	F - Fuel Handling	R - Refueling	050-00528/2007-003
189 - Recognition of adverse condition / questioning attitude LTA	G - Engineering	G - Design	050-00528/2007-007
189 - Recognition of adverse condition / questioning attitude LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2007-003
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2007-003

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Details	Department	Work Type	Docket/Report
Work Planning & Practices / IR			
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2007-003
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2007-003
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2007-004
189 - Recognition of adverse condition / questioning attitude LTA	O - Operations	O - Control Room Ops	050-00528/2007-004
190 - Failure to stop work / non-conservative decision making	F - Fuel Handling	R - Refueling	050-00528/2006-005
190 - Failure to stop work / non-conservative decision making	F - Fuel Handling	R - Refueling	050-00528/2007-003
190 - Failure to stop work / non-conservative decision making	F - Fuel Handling	R - Refueling	050-00528/2007-003
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00528/2006-005
190 - Failure to stop work / non-conservative decision making	G - Engineering	G - Design	050-00528/2007-002
190 - Failure to stop work / non-conservative decision making	M - Mechanical	M - Maintenance / Repair	050-00528/2007-007
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2006-005
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-002
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-003
190 - Failure to stop work / non-conservative decision making	O - Operations	O - Control Room Ops	050-00528/2007-003
191 - Team interactions LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
191 - Team interactions LTA	O - Operations	O - Control Room Ops	050-00528/2006-005
193 - Non-conservative action	M - Mechanical	M - Maintenance / Repair	050-00528/2006-005
197 - Self-check LTA	M - Mechanical	M - Maintenance / Repair	050-00528/2007-002
197 - Self-check LTA	O - Operations	O - Control Room Ops	050-00528/2007-002
197 - Self-check LTA	O - Operations	O - Control Room Ops	050-00528/2007-004
Number of Items for this Docket: 84			
Percent of Total for this Docket: 42			
Procedures & Reference Document / LER			
111 - Procedure / reference document technical content	I - Instrumentation & Control	S - Surveillance	050-00528/2007-005-00
111 - Procedure / reference document technical content	O - Operations	S - Surveillance	050-00528/2007-004-00
112 - Procedure / reference document contains human factors deficienc	O - Operations	O - Control Room Ops	050-00528/2007-004-00
Number of Items for this Docket: 3			
Percent of Total for this Docket: 1			
Problem Identification & Resolution / LER			
145 - Causal development LTA	S - Specialized task force	V - Troubleshooting	050-00528/2007-006-00

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147 - Individual corrective action LTA	S - Specialized task force	V - Troubleshooting	050-00528/2007-006-00
Number of Items for this Docket: 2			
Percent of Total for this Docket: 1			
Work Planning & Practices / LER			
183 - Pre-job activities LTA	O - Operations	O - Control Room Ops	050-00528/2007-004-00
185 - Procedural adherence LTA	S - Specialized task force	V - Troubleshooting	050-00528/2007-006-00
186 - Failure to take action / meet requirements	O - Operations	O - Control Room Ops	050-00528/2007-005-00
Number of Items for this Docket: 3			
Percent of Total for this Docket: 1			
Total Items for this Docket: 202			
