

Escalated Enforcement Actions Issued to Reactor Licensees - S

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Saint Lucie 1 & 2 - Docket Nos. 050-00335; 050-00389

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
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| EA-09-321 Saint Lucie 1 & 2 | NOV (Yellow) | 04/19/2010 | On April 19, 2010, a Notice of Violation was issued to Florida Power & Light Company for a violation associated with a Yellow Significance Determination Finding as a result of inspections at the St. Lucie Nuclear Plant. The Yellow finding involved the licensee's failure to meet the requirements of 10 CFR 50, Appendix B, Criterion XVI, "Corrective Action." In 2008, the licensee experienced an air in-leakage event into the closed cooling water (CCW) system which affected the system's ability to supply adequate cooling to essential equipment. Their troubleshooting and corrective actions failed to identify the source of the air in-leakage, which resulted in a similar event in 2009. |
| EA-08-172 Saint Lucie 1 & 2 | ORDER | 10/20/2008 | On October 20, 2008 a Confirmatory Order (effective immediately) was issued to Florida Power & Light Co. to confirm commitments made as a result of an Alternative Dispute Resolution (ADR) settlement agreement, regarding a violation of site security procedures caused by the deliberate actions of one of the security operations supervisors at the licensee's St. Lucie Nuclear Plant. The security operations supervisor willfully permitted two containers into the protected area without conducting the required search of their contents. |
| EA-98-513 | NOV | 03/31/1999 | Inadequate fire protection procedure. |

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| Saint Lucie 1 & 2 | (SL III) | | |
| EA-98-064 | NOV | 04/03/1998 | Two cases of failure to control unauthorized access to the protected and vital area. |
| Saint Lucie 1 & 2 | (SL III) | | |
| EA-98-009 | NOVCP | 03/25/1998 | Wrong refueling water tank swapover setting. |
| Saint Lucie 1 & 2 | (SL II) | | |
| | \$ 88,000 | | |
| EA-97-501 | NOV | 12/11/1997 | Inadequate PMT caused fan cooler motor to be inoperable. |
| Saint Lucie 1 & 2 | (SL III) | | |
| EA-96-457 | NOVCP | 01/10/1997 | Miswiring; unauthorized individual entry into protected area after termination; emergency preparedness failures involving phone system, procedures and training. |
| Saint Lucie 1 & 2 | (SL III) | | |
| | \$ 50,000 | | |
| EA-96-249 | NOV | 09/19/1996 | A number of related violations of the requirements of 50.59. |
| Saint Lucie 1 & 2 | (SL III) | | |
| EA-96-040 | NOVCP | 03/28/1996 | Licensed operator left the controls without informing his relief of a dilution in progress. |
| Saint Lucie 1 & 2 | (SL III) | | |
| | \$ 50,000 | | |

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Salem 1 & 2 - Docket Nos. 050-00272; 050-00311

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
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| EA-03-070 Salem 1 & 2 | NOV (White) | 05/01/2003 | On May 1, 2003, a Notice of Violation was issued for a violation associated with a White SDP finding involving emergency diesel generator (EDG) turbocharger failures. The violation cited the licensee's failure to implement effective corrective actions to preclude repetition of a significant condition adverse to quality associated with the EDG turbocharger failures. |
| EA-00-018 Salem 1 & 2 | NOV (White) | 02/14/2000 | On February 14, 2000, a Notice of Violation was issued for failure to comply with a fire protection license condition. It was cited in accordance with the Interim Enforcement Policy for use during the NRC Power Reactor Oversight Process Plant Study. The violation was associated with a finding (failure of the Unit 2 4160Vac switchgear room carbon dioxide fire suppression system to achieve required concentration) that the Significance Determination Process characterized as White. |
| EA-97-182 Salem 1 & 2 | NOV (SL III) | 10/08/1997 | Failure to meet 50.59 involving USQs. |
| EA-96-344 Salem 1 & 2 | NOVCP (SL III) \$100,000 | 12/11/1996 | This action involved three violations related to two specific events concerning the failure to adequately control access to the facility. The first violation was categorized as a Severity Level III violation and involved a keycard photobadge station problem that could have resulted in an unauthorized individual gaining access to the protected and vital areas of the stations. The second event involved two violations where a contractor individual accessed the protected area without an adequate search after the individual had, on three occasions, alarmed two separate metal detectors at the stations' access control point. These |

two violations were categorized as a Severity Level III problem. Three violations not assessed a civil penalty were also identified involving the licensee's failure to comply with the Security Plan.

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| EA-96-177 Salem 1 & 2 | NOVCP (SL II) \$ 80,000 | 12/09/1996 | The licensee, through its former manager of NSR, discriminated in December 1992 against a Safety Review Engineer (SRE) and in November 1993 and May 1994 against a former Onsite Safety Review Engineer (OSRE). |
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San Onofre 2 & 3 - Docket Nos. 050-00361; 050-00362

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
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| EA-11-083 San Onofre | NOV (SL III) | 08/04/2011 | On August 4, 2011, the NRC issued a Notice of Violation to SONGS for a Severity Level III violation involving the failure to certify that the qualifications and status of a senior operator licensee were current and valid and that the senior operator licensee had completed a minimum of 40 hours of shift functions under the direction of an operator or senior operator, as required by 10 CFR 55.53(e) and (f). Specifically, on October 21 and October 27, 2010, the licensee did not certify that qualifications of the senior operator licensee were current and valid and scheduled the senior operator to perform licensed activities (core alterations) as refueling senior operator supervisor while his license was INACTIVE. Additionally, the senior operator was not medically qualified in accordance with ANSI 3.4 (1996) to perform licensed duties. |
| EA-08-296 San Onofre | NOV (White) | 12/19/2008 | On December 19, 2008, a Notice of Violation was issued for a violation associated with a White Significance Determination Finding involving a violation of 10 CFR Part 50, Appendix B, Criterion V, "Instructions, Procedures, and Drawings." Specifically, maintenance and work control personnel failed to develop appropriate instructions or procedures, and failed to include quantitative or qualitative steps to ensure the maintenance activities on safety-related batteries were satisfactorily completed. This failure resulted in a safety-related battery being inoperable between March 2004 and March 25, 2008. |
| EA-07-232 San Onofre | ORDER | 01/11/2008 | On January 11, 2008, a Confirmatory Order (Effective Immediately) was issued to Southern California Edison Company (SCE) to formalize commitments made as a result of a successful alternative dispute resolution (ADR) mediation session. The commitments were made by SCE as part of a settlement agreement between SCE and the NRC concerning the falsification, by a contract fire protection specialist at SONGS, of firewatch certification sheets on numerous occasions from April 2001 to December 2006. As part of the settlement agreement, SCE agreed to, in general terms, performing a common cause evaluation of |

known recent events, conducting a safety culture assessment, conducting training and communications, and developing or enhancing various programs in areas such as ethics, disciplinary process, contract programs, and oversight. In recognition of these actions, and those corrective actions already completed, NRC will refrain from further enforcement action related to this particular case, and may exercise enforcement discretion for the next six months on willful cases that meet the conditions of Section VII.B.4 of the Enforcement Policy, "Violations Identified Due to Previous Enforcement Action." NRC will evaluate the implementation of SCE's commitments during future inspections.

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| EA-06-149 San Onofre 1 | NOV (SL III) | 09/13/2006 | On September 13, 2006, a Notice of Violation was issued for a Severity Level III problem involving a transportation event in which a shipment of low specific activity liquid radioactive waste from San Onofre Unit 1 leaked from its transport container in Utah. The violations involved failures to (1) ensure by examination or appropriate tests that the top discharge valve of the tanker was properly closed and sealed; (2) load the tanker to the required fill density; and (3) maintain, fill, and close the tanker so that, under conditions normally incident to transportation, there would be no identifiable release of materials to the environment. |
| EA-99-242 San Onofre 2 & 3 | NOV (SL III) | 12/15/1999 | Violation based on the licensee's failure to comply with their technical specifications when they did not recognize a condition that rendered one diesel generator and more than one battery charger inoperable. |
| EA-98-563 San Onofre 2 & 3 | NOV (SL III) | 03/16/1999 | Violation of plant technical specifications. |
| EA-97-585 San Onofre 2 & 3 | NOV (SL III) | 02/18/1998 | Loss of safeguards contingency plan and several other security issues. |

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Seabrook 1 - Docket No. 050-00443

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
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| EA-09-145 Seabrook 1 | NOV (White) | 11/12/2009 | On November 12, 2009, the NRC issued a Notice of Violation to NextEra Energy Seabrook, LLC, for a violation of 10 CFR 50, Appendix B, Criterion III, "Design Control," at Seabrook Station. The violation, which is associated with a White Significance Determination Process finding, involved the failure to assure that the design basis of the B emergency diesel generator (EDG) was correctly translated into work instructions and that measures were established for the selection of suitable parts and materials. Specifically, a design change to a flange on a jacket water cooling line to the B EDG turbocharger did not (1) control welding stresses, verify flange alignment, or evaluate vibration effects, (2) address suitability of gasket |

material, or (3) consider flange performance history. This resulted in failure of the flange during operation of the B EDG, leading to rapid loss of jacket cooling water and inoperability of the EDG.

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| EA-01-032 Seabrook 1 | NOV (White) | 06/29/2001 | On June 29, 2001, a Notice of Violation was issued for a violation associated with a White SDP finding involving the emergency diesel generator (EDG). The violation was based on the licensee's failure to take adequate corrective actions to address degraded components associated with the EDG. |
| EA-98-165 Seabrook 1 | NOVCP (SL III) \$ 55,000 | 08/03/1999 | Violation involving discrimination against an electrician for raising safety issues. |
| EA-98-073 Seabrook 1 | NOV (SL III) | 04/01/1998 | Technical Specification and corrective action violation involving control building chillers and other safety related equipment. |

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Sequoyah 1 & 2 - Docket Nos. 050-00327; 050-00328

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
|--|--|------------------------|---|
| EA-08-211 Sequoyah 1 2 | ORDER | 01/05/2009 | On January 5, 2009 a Confirmatory Order (effective immediately) was issued to Tennessee Valley Authority to confirm commitments made as a result of an Alternative Dispute Resolution (ADR) settlement agreement, regarding violation of site security procedures caused by the deliberate actions of one contract security supervisor at the Sequoyah Nuclear Plant, who falsified an inventory form to conceal the supervisor's failure to verify inventory as required by licensee procedures. |
| EA-04-223 Sequoyah 1 2 | NOV (White) | 01/26/2005 | On January 26, 2005, a Notice of Violation was issued for a violation associated with a White finding involving binding problems with the breaker mechanism operated cell slide assembly for the 1A Residual Heat Removal pump. The violation cited the licensee's failure to correct conditions adverse to quality based on the identification of binding problems during previous surveillance testing. |
| EA-99-234 Sequoyah 1 & 2 | NOVCP (SL II) \$110,000 | 02/07/2000 | On February 7, 2000, a Notice of Violation and Proposed Imposition of Civil Penalty of \$110,000 was issued for a Severity Level II violation involving employment discrimination against a former corporate employee, for |
| | CPORDER \$110,000 | 05/04/2001 | engaging in protected activities. |
| EA-98-207 Sequoyah 1 & 2 | NOV (SL III) | 06/18/1998 | Failure of Identifications/Assessment equipment. |
| EA-97-409 Sequoyah 1 & 2 | NOVCP (SL III) \$ 55,000 | 12/08/1997 | Inoperable DC vital board. |

Withdrawal

of CP

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| EA-97-232 Sequoyah 1 & 2 | NOV (SL III) | 07/10/1997 | Inadvertent RCS drain down with numerous deficiencies noted in the area of operation. |
| EA-96-414 Sequoyah 1 & 2 | NOVCP (SL III) | 12/24/1996 | Reactor trip complications. |
| | \$100,000 | | |
| | CPORDER | 05/23/1997 | |
| | \$ 50,000 | | |
| EA-96-269 Sequoyah 1 & 2 | NOVCP (SL III) | 11/19/1996 | Adverse conditions related to the fire protection program were not promptly identified and/or resolved. |
| | \$ 50,000 | | |
| | CPORDER | 03/17/1997 | |
| EA-95-199 Sequoyah 1 & 2 | NOVCP (SL I) | 01/13/1997 | Chemistry manager was threatened with termination for raising safety concerns. |
| | \$100,000 | | |

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South Texas 1 & 2 - Docket Nos. 050-00498; 050-00499

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
|--|--|------------------------|---|
| EA-97-341 South Texas 1 & 2 | ORDER | 06/09/1998 | Discrimination against supervisor and engineer for reporting safety concerns. |
| EA-96-500 South Texas 1 & 2 | NOV (SL III) | 03/27/1997 | Leak in ECCS system. |
| EA-96-133 South Texas 1 & 2 | NOVCP (SL II) | 09/19/1996 | Discrimination. |
| | \$200,000 | | |

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Summer - Docket No. 050-00395

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
|--|--|------------------------|--|
| EA-07-079 Summer | NOV (SL III) | 10/12/2007 | On October 12, 2007, a Severity Level III Notice of Violation and Exercise of Enforcement Discretion were issued to South Carolina Electric and Gas Company (SCE&G). The violation resulted from changes the licensee made to its Emergency Plan between October 1980 and July 2006. Contrary to 10 CFR 50.54(q) which allows a licensee to make changes to emergency plans without Commission approval when such changes do not decrease the effectiveness of the plans and the plans, as changed, continue to meet the standards of 10 CFR 50.47 (b), SCE&G made changes without Commission approval |

which decreased the effectiveness of their Emergency Plan and resulted in the use of a non-standard scheme of Emergency Action levels.

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| EA-06-046 Summer | NOV (White) | 05/05/2006 | On May 5, 2006, a Notice of Violation associated with a White SDP finding was issued for a finding involving the shipment of radioactive material in a package with radiation levels on an external surface that exceeded applicable regulatory requirements. The Notice of Violation cited the licensee's failure to properly design and prepare for shipment a package containing radioactive material that was transported from the licensee's facility to an offsite waste processing vendor. |
| EA-01-150 Summer | NOV (SL III) | 08/31/2001 | On August 31, 2001, a Notice of Violation was issued for a Severity Level III violation involving the failure to perform an adequate written safety evaluation to determine whether a change to the facility involved an unreviewed safety question. |
| EA-00-238 Summer | NOV (White) | 12/28/2000 | On December 28, 2000, a Notice of Violation was issued for a violation associated with a White SDP finding involving the inoperability of the turbine driven emergency feedwater (TDEFW) pump. The violation cited the licensee's failure to properly follow procedures which resulted in the failure to comply with the technical specification for TDEFW pump operability. |

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Surry 1 & 2 - Docket Nos. 050-00280; 050-00281

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
|--|--|------------------------|--|
| EA-06-071 Surry 1 & 2 | NOV (White) | 07/25/06 | On July 25, 2006, a Notice of Violation was issued for a violation associated with a White Significance Determination Process (SDP) finding involving the failure of a licensee's full-scale exercise critique to identify a weakness associated with a risk-significant planning standard which was determined to be a drill/exercise performance-performance indicator opportunity failure. The violation was cited against emergency preparedness planning standards 10 CFR 50.47(b)(4) and 10 CFR 50.47(b)(14) as well as the requirements of 10 CFR Part 50, Appendix E, Section IV.F.2.g, because the licensee failed to identify the above weakness during its emergency exercise critique. |
| EA-04-005 | NOV | 09/15/04 | On September 15, 2004, a Notice of Violation was issued |

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| Surry 1 & 2 | (White) | | for a violation associated with a White SDP finding involving ineffective safe shutdown procedures during a postulated fire that could have resulted in a reactor coolant pump seal loss of coolant accident. The violation cited the licensee's ineffective alternative shutdown capability and response procedures for a postulated fire in the Emergency Switchgear Room Number 1 and 2. |
| EA-01-235 Surry 1 & 2 | NOV (White) | 12/21/01 | On December 21, 2001, a Notice of Violation was issued for a violation associated with a White SDP finding involving failed piston wrist pins and bearings in the Number 3 Emergency Diesel Generator (EDG). The violation cited the licensee's failure to establish measures to assure that conditions adverse to quality were promptly identified and corrected that resulted in the inoperability of the Number 3 EDG. |
| EA-97-474 Surry 1 & 2 | NOV (SL III) | 12/24/1997 | Unable to meet requirements of Appendix R,III.G. for postulated control room fire. |
| EA-97-055 Surry 1 & 2 | NOVCP (SL III) \$ 55,000 | 08/29/1997 | Violations of the Maintenance Rule. |
| EA-96-231 Surry 1 & 2 | NOV (SL III) | 08/16/1996 | H2 analyzes inoperable due to inadequate procedure. |

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Susquehanna 1 & 2 - Docket Nos. 050-00387; 050-00388

| NRC Action Number (s) and Facility Name | Action Type (Severity) & Civil Penalty (if any) | Date Issued | Description |
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| EA-10-207 Susquehanna 1 & 2 | NOV (White) | 12/16/2010 | On December 16, 2010, the NRC issued a White finding to PPL Susquehanna, LLC as a result of inspections at the Susquehanna Steam Electric Plant Unit 1 and 2. The White finding involved inadequate procedures related to the maintenance and operation of the main condenser waterboxes and circulating water system, which resulted in an internal flooding event, a manual scram, and a loss of the normal reactor heat sink. There were no NRC violations associated with the finding. |
| EA-09-248 Susquehanna 1 & 2 | NOV (SL III) | 01/28/2010 | On January 28, 2010, a Notice of Violation for a Severity Level III violation was issued to PPL Susquehanna, LLC. This finding involved a violation of 10 CFR Part 55.21 which requires, in part, that the licensed operator receives a medical examination by a physician every two years and meets the requirements of 10 CFR 55.33(a)(1). 10 CFR 55.33(a)(1) states, in part, the medical condition of the applicant will not adversely affect the performance of assigned duties or cause operational errors endangering public health and safety. 10 CFR 55.33(b) states, in part, if an applicant's general medical condition does not meet the minimum standards under 10 CFR 55.33(a)(1), the Commission may approve the application and include conditions in the license to accommodate the medical |

defect. 10 CFR 55.23 requires, in part, that a facility licensee shall certify the medical fitness of an applicant. PPL certified that it used the guidance of ANSI/ANS 3.4 1983 which describes the health requirements.

Contrary to the above, in 2009, a PPL operator did not meet a certain medical prerequisite for performing NRC-licensed operator activities. Specifically, on three separate occasions, the licensed operator performed duties, even though a change in his license condition existed, as found by a medical examination.

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| EA-02-216 Susquehanna 1 & 2 | NOV (SL III) | 01/13/2003 On January 13, 2003, a Notice of Violation was issued for a Severity Level III violation involving the backfilling of a dry shielded canister with argon, rather than helium, as required by the Certificate of Compliance (CoC) for the dry spent fuel storage system used at Susquehanna. |
| EA-01-087 Susquehanna 1 & 2 | NOV (White) | 09/13/2001 On September 13, 2001, a Notice of Violation was issued for a violation associated with a White SDP finding involving certain emergency preparedness functions for an emergency at the site not being met. The violation involved the failure to ensure that procedures were adequate and staffing levels were maintained to meet the site's emergency plan requirements.. |
| EA-01-012 Susquehanna 1 & 2 | NOV (White) | 03/12/2001 On March 12, 2001, a Notice of Violation was issued for a violation associated with a White SDP finding involving a substantial potential for personnel to sustain external radiation exposures in excess of occupational exposure limits. The violation involved the failure to perform an adequate evaluation of radiation hazards to assure that occupational dose limits would not be exceeded. |
| EA-97-472 Susquehanna 1 & 2 | NOVCP (SL III) \$ 55,000 | 01/09/1998 Controls over an EDG voltage regulator adjustment knob were insufficient to ensure voltage remained appropriately set at 100%. |
| EA-96-270; Susquehanna 1 & 2 | NOVCP (SL III) \$210,000 | 06/20/1997 Erroneous breaker alignment for "E" diesel generator in violation of procedures, EDG inoperable beyond TS LCO time; operators violations of TS surveillance requirements. |

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