**Events classified as Significant this month:**

|  |  |
| --- | --- |
| **None** |  |

**Events classified as Noteworthy this month:**

|  |  |
| --- | --- |
| [**WER PAR 17-0026**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27432) | Breach of seismic qualification requirements on the essential service water system |
| [**WER PAR 17-0021**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27551) | #PRELIMINARY# REPEATED DIESEL GENERATOR FAILURES DUE TO RELAY ISSUES |
| [**WER MOW 17-0008**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27423) | Turbine Shutdown Due to High Vibrations |
| [**WER ATL 17-0081**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27461) | Unisolable Leak on Decay Heat Removal Piping due to Failed Socket Weld |
| [**WER ATL 17-0057**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27394) | Indications Identified on Reactor Vessel Head Penetration Nozzles During Inservice Inspection Result in Outage Delay for Repairs |
| [**WER ATL 17-0034**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27366) | Unavailability of a Standby Generator While Another Standby Generator Was Out Of Service Resulted In Unavailability Of The Standby Generating System |
| [**WER ATL 17-0019**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27329) | Feedwater Heater Isolation Resulted in a Secondary Transient |
| [**WER ATL 17-0009**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=27308) | Fuel Transfer Elevator Trough failure while transferring fuel to the irradiated fuel bay resulted in 2 Fuel-in-Air events. |

**New documents issued this month:**

* [CEO update – Faulty relays in safety systems](https://members.wano.org/getattachment/da2e9831-09e7-443a-b170-f14e3db960ca/document)[[1]](#footnote-1)

**Performance Analysis (PA) comments**

WANO PA is preparing for the annual meetings where all regional centres and London Office will discuss the main challenges to the PA process and how we can improve our effectiveness. It will also be an opportunity to discuss and improve our analysis of industry performance.

Regarding trends that WANO is following, there are two main ones that members should take particular care of (in addition to the one issued last month):

* Common mode failure – especially related to component issues
* Operators fundamentals: WANO documents include: [SOER 2013-1](https://members.wano.org/getattachment/d5c81b02-633a-4c5f-ab0e-ccf59d76c59e/document), [Hot Topic 2016-4](https://members.wano.org/library/soers-sers-jits-and-analysis-reports/hot-topics/violation-of-technical-specifications-due-to-opera)

As a reminder, last month we reminded the industry of the following challenges:

* Loss of shutdown cooling (SDC): WANO documents on loss of SDC include: [SOER 2010-1](http://www.wano.org/OperatingExperience/WANO_SOER/2010/SOER_2010_1_en.pdf), [SER 2013-1](http://www.wano.org/OperatingExperience/WANO_SER/2013/SER%202013-01.pdf), [SER 2012-3](http://www.wano.org/OperatingExperience/WANO_SER/2012/SER_2012_3_en%20.pdf), [GL 2008-01 rev1](http://www.wano.org/GoodPractices/Guidelines/2008/GL%202008_01_rev1_en.pdf).
* Industrial safety.

**Statistics**

**Event Reporting Level and Timeliness**

**WANO Event Reports (WERs) & Preliminary WERs published by PACT**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** | **Total** |
| **2017** | **92** | **16** | **32** | **29** | **169** |
| **2016** | **1533** | **274** | **1134** | **478** | **3419** |
| **2015** | **1443** | **273** | **1038** | **329** | **3,083** |

**Units in operations (after first criticality)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Atlanta** | **Moscow** | **Paris** | **Tokyo** | **Total** |
| *No. of operational units* | *125* | *75* | *147* | *110* | *457* |
| *No. of units with no WER in the past 12 months* | *-* | *-* | *2 (Isar 2 and Beznau 1)* | *-* | *2* |

**WER Reporting Median (Days) – Goal of 140 days**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** |
| **2017** | **115** | **101** | **162** | **172** |
| **2016** | **118** | **102** | **133** | **126** |
| **2015** | **99** | **108** | **127** | **118** |

**Preliminary WER Reporting Median (Days) – Goal of 30 days**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** |
| **2017** | *-* | **3** | *-* | *-* |
| **2016** | **14** | **2** | **61** | **123** |
| **2015** | **23** | **2** | **58** | **54** |

**Notes:**

1. Event reporting numbers are based on the following rules: If a WER or Preliminary WER was updated, the updated version is not counted as a newly reported event. If a single event affects more than one unit at a station, this is counted as one report. A generic WER affecting a fleet of plants or more than one plant is also counted as one report.

1. To access the link, please copy and paste the following link into your browser:

   <https://members.wano.org/getattachment/da2e9831-09e7-443a-b170-f14e3db960ca/document> [↑](#footnote-ref-1)