**Events classified as Significant this month:**

|  |  |
| --- | --- |
| [**WER PAR 17-0297**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28694) | #PRELIMINARY# Worker Internally Contaminated |
| [**WER PAR 17-0291**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28551) **\*\*** | Inoperability of both trains of the Residual Heat Removal System due to loss of power caused loss of core cooling for 4 minutes |
| [**WER PAR 17-0173**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28101) **\*\*** | Start-Up of Emergency Generators A and B due to degraded voltage in buses 6A and 7A for more than 70 seconds |
| [**WER PAR 17-0096**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28698) **\*\*** | Extensive deterioration of different generator components leading toTurbine trip without automatic reactor scram |

**Notes:** \*\* indicates that WERs were reclassififed as Significant during the current month.

**Events classified as Noteworthy this month:**

|  |  |
| --- | --- |
| [**WER TYO 17-0252**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28789) | Worker Receiving Additional Radiation Due to Radioactive Source Shook out by Mistake during Radiographic Test |
| [**WER PAR 17-0332**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28783) | #PRELIMINARY# Deviation on seismic resistance of surge tank support for diesel generator coolant |
| [**WER PAR 17-0325**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28764) | Diesel Engine Cylinder Air Starting Valve failed When Implementing Low Power Test |
| [**WER PAR 17-0319**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28758) | Manual Reactor Scram due to oil leakage through valve of the Reactor Coolant Pump Lubricating System |
| [**WER PAR 17-0300**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28700) | #PRELIMINARY# In-house emergency plan activated due to a deflagration in a service bus in the turbine building |
| [**WER ATL 17-0704**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28785) | 2 Ton Beam Trolley and Chainfall fell 20 Feet to the Floor near by a Worker |
| [**WER ATL 17-0690**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28675) | Operator falls from the elevation 107 m to 100 m, through a floor penetration covered by fire insulation |
| [**WER ATL 17-0681**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28666) | Break Through the 6KV Switch Isolation Border |
| [**WER MOW 17-0005**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28738)\*\* | Turbine Generator No.3 Was Manually Tripped Due to a High Concentration of Dissolved Gases in the Main Transformer Oil. |

**Notes:** \*\* indicates that the WER was reclassififed as Noteworthy during the current month.

**New documents issued this month:**

None

**Performance Analysis (PA) comments**

Worrying events of loss of shutdown cooling keeps occurring. This month, two events of loss of shutdown cooling at reduced inventory were classified as Significant – see [**WER PAR 17-0291**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28551) and [**WER PAR 17-0173**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28101).

Another worrying trend is about fires. In the past, the nuclear industry has been hit by big fires that resulted in major events or worsened the consequences of events. Fire events keep happening in several plants, some of them with severe consequences and some inside the containment.

Finally, availability of emergency power is still an issue, including common mode failures – for example, see [**WER PAR 17-0332**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28783) and [**WER PAR 17-0325**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=28764).

Regarding the number of events so far, AC and PC have submitted fewer events as compared to 2016.

**Statistics**

**Event Reporting Level and Timeliness**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** | **Total** |
| **2017** | **703** | **132** | **328** | **254** | **1417** |
| 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* | *146* | *109* | *455* |
| *No. of units with no WER in the past 12 months* | *-* | *-* | *1 (Isar 2)* | *-* | *1* |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** |
| **2017** | **111** | **115** | **176** | **125** |
| 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** | **42** | **2** | **35** | **54** |
| 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.