**Event Reporting Level and Timeliness**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** | **Total** |
| **2015** | **1010** | **203** | **607** | **207** | **2027** |
| 2014 | 1098 | 194 | 882 | 178 | 2,352 |
| 2013 | 854 | 176 | 463 | 189 | 1,682 |
| 2012 | 872 | 102 | 310 | 217 | 1,501 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Atlanta** | **Moscow** | **Paris** | **Tokyo** | **Total** |
| *No. of operational units* | *125* | *74* | *144* | *107* | *450* |
| *No. of units with no WER in the past 12 months* | *-* | *1* | *-* | *1* | *2* |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** |
| **2015** | **96** | **111** | **121** | **137** |
| 2014 | 89 | 117 | 133 | 119 |
| 2013 | 80 | 137 | 130 | 103 |
| 2012 | 66 | 157 | 117 | 98 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** |
| **2015** | **21** | **2** | **56** | **32** |
| 2014 | 3 | 3 | 82 | 38 |
| 2013 | 22 | 3 | 76 | 57 |
| 2012 | 14 | \* | 81 | 28 |

**Notes:**

1. \* indicates none issued for the year.
2. 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.

**Events classified as Significant this month:**

* **Top of Form**
* [**WER MOW 15-0105**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22357), *Unplanned extension of the Unit 2 outage (\*)*
* [**WER MOW 15-0079**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=21614)*, Foreign material detected in the hot leg collector pocket of steam generator No. 4 (\*)*
* [**WER PAR 15-0563**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22323), *(PRELIMINARY) Registerable indications due to non-destructive testing (NDT) of the reactor pressure vessel (RPV)*
* [**WER PAR 15-0617**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22480), *Doubts regarding the safety function of the emergency Diesel generators associated with safeguards busbars*
* [**WER TYO 15-0166**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22384), *Reactor Scram by Malfunction of RCP Control Card*

**Events classified as Noteworthy this month:**

* [**WER ATL 15-0294**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22286)*, Fuelling Machine Ram Drive Stuck (\*)*
* [**WER ATL 15-0442**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22531)*, Unusual Event Declared and Automatic Scram due to Main Transformer Fire*
* [**WER ATL 15-0603**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22285)*, Fuel in the Crossflow (\*)*
* [**WER ATL 15-0976**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22283)*, Less Than Adequate Preparation for Installation of a Spare Heat Transport Bleed Condenser Tube Bundle Resulted in the Unit Planned Outage Extension*
* [**WER ATL 15-0977**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22284)*, Arc Flash During Transformer Testing*
* [**WER ATL 15-0981**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22299)*, Reactor Trip*
* [**WER ATL 15-1008**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22453)*, (PRELIMINARY) Manual scram due to loss of Turbine Building Closed Cooling Water*
* [**WER ATL 15-1026**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22500),*Emergency Service Water Pump Fails Due to Broken Coupling on the Pump Shaft*
* [**WER MOW 15-0059**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22318)*, Deteriorated movability of one of the control rods during the test*
* [**WER MOW 15-0168**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22291)*, Inoperability of two diesel generators due to failure of lube oil filters on unit 1 under outage*
* [**WER MOW 15-0180**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22356)*, Unplanned start of Emergency Load Sequencing*
* [**WER MOW 15-0183**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22376)*, Drop of the group 6 of control rods below the limit value*
* [**WER MOW 15-0188**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22402)*, Counterfeit Material Test Certificates*
* [**WER PAR 15-0555**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22287)*, Failure to comply with the TSs by manually blocking a valve in its open position*
* [**WER TYO 15-0151**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22347)*, Reactor trip following 220 KV line-2, B phase Current Transformer failure*
* [**WER TYO 15-0197**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22468)*, Reactor Tripped on Gross Primary Flow Low Condition due to Grid Transient*

*(\* indicates it was re-classified after receiving more information.)*

**SOERs and SERs**

**Issued this month:**

* None

**Issued to date in 2015:**

* [SOER 2015-1 Rev. 1](http://www.wano.org/OperatingExperience/WANO_SOER/2015/SOER_2015-1_Safety_Challenges_from_Open_Phase_Events_Rev_1.pdf), *Safety Challenges from Open Phase Events (*[*Summary*](http://www.wano.org/OperatingExperience/WANO_SOER/2015/SOER_2015-1_Summary.pdf)*,* [*Training Materials*](http://www.wano.org/OperatingExperience/WANO_SOER/2015/SOER_2015-1_Training_Supplement.pdf)*,* [*Training Slides*](http://www.wano.org/OperatingExperience/WANO_SOER/2015/SOER_2015-1_Training_Slides.pdf)*,* [*How to Review*](http://www.wano.org/OperatingExperience/WANO_SOER/2015/SOER_2015-1_How_To_Review_Rev_1.pdf)*,* [*Redacted Version*](http://www.wano.org/OperatingExperience/WANO_SOER/2015/SOER_2015-1_Safety_Challenges_from_Open_Phase_Events_Rev_1_Redacted.pdf)*)*

**In progress:**

* SOER 2015-2, *Risk Management*
* SER 2015-1, Weaknesses in *Steam Generator Foreign Material Exclusion*

**Reports and Analysis**

**Issued this month:**

* [**RPT 2015-07**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Operations.pdf)*, Operations List of Relevant WANO Documents*
* [**RPT 2015-08**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Maintenance.pdf)*, Maintenance List of Relevant WANO Documents*
* [**RPT 2015-09**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Engineering.pdf)*, Engineering List of Relevant WANO Documents*

**Issued to date in 2015:**

* [RPT 2015-3](http://www.wano.org/OperatingExperience/OE_Analysis/Age-Related_Degradation_of_Electronic_Equipment.pdf), *Age-Related Degradation of Electronic Equipment*
* [RTP 2015-6](http://www.wano.org/OperatingExperience/OE_Analysis/Analysis_of_Reactivity_Management_Events.pdf), *Analysis of Reactivity Management Events*

**In progress:**

* *RPT 2015-11, Radiation Protection List of Relevant WANO Documents*
* *RPT 2015-12, Chemistry List of Relevant WANO Documents*
* *RPT 2015-13, Training List of Relevant WANO Documents*
* *RPT 2015-XX, Loss of Offsite Power*

**Just-In-Time Operating Experience**

**Issued this month:**

* None

**Issued to date in 2015:**

* [JIT094a - *Emergency Diesel Generator (EDG) Testing*](http://www.wano.org/OperatingExperience/JIT/English/JIT094a_Rev0.pdf)
* [JIT 088a – *Clearance and tagging activities*](http://www.wano.org/OperatingExperience/JIT/English/JIT088a_Rev0.pdf)
* [JIT 020a – *Fuel Handling*](http://www.wano.org/OperatingExperience/JIT/English/JIT020a_Rev0.pdf)
* [JIT 001a – *Boron Control (PWR)*](http://www.wano.org/OperatingExperience/JIT/English/JIT001a_Rev0.pdf)
* [JIT 002a *– Circuit Breaker Maintenance*](http://www.wano.org/OperatingExperience/JIT/English/JIT002a_Rev0.pdf)
* [JIT 040a – *Diving activities*](http://www.wano.org/OperatingExperience/JIT/English/JIT040a_Rev0.pdf)
* [JIT 017a *–Confined Space Work*](http://www.wano.org/OperatingExperience/JIT/English/JIT017a_Rev0.pdf)
* [JIT 090a –Freezing Weather and Ice Accumulation](http://www.wano.org/OperatingExperience/JIT/English/JIT090a_Rev0.pdf)

|  |  |
| --- | --- |
|  |  |

**In progress:**

* JIT013a – *Reactivity Manipulations*

**Hot Topics**

**Issued this month:**

* None

**Issued to date in 2015:**

* [*Safety Related Heat Exchanger Events*](http://www.wano.org/HotTopics/Heat_Exchanger/Heat_Exchanger.asp)
* [*Industrial Safety Events*](http://www.wano.org/HotTopics/Industrial_Safety/Industrial_Safety.asp)

**In progress:**

* None

**CEO Update**

**Issued this month:**

* None

**Issued to date in 2015:**

* [Weaknesses in Operator Fundamentals](http://www.wano.org/OperatingExperience/CEO_Updates/CEO_Update-Weaknesses_in_Operator_Fundamentals-August_2015.pdf)

**In progress:**

* None

**Other OE Related Documents**

**Issued this month:**

* None

**Issued to date in 2015:**

* [*Early Notification Report, Doel 3 and Tihange 2 Nuclear Power Plants*](http://www.wano.org/Early_Notification/2015/19_February_2015-Doel%2BTihange.pdf)
* [*Early Notification Report, Indian Point 3*](http://www.wano.org/Early_Notification/2015/09_May_2015-Indian_Point.pdf)
* [RPT 2015-01](https://wano.sharepoint.com/programmes/Operating%20Experience%20Library/OE%20Annual%20Report%20for%202014.pdf), *Operating Experience Annual Report for 2014*
* [*Early Notification Report, Beznau 1*](http://www.wano.org/Early_Notification/2015/27_July_2015-Beznau.pdf)
* [*Early Notification Report, Paluel 2*](http://www.wano.org/Early_Notification/2015/03_July_2015-Paluel.pdf)
* [*GL 2003-01 Rev.1 - Guidelines for operating experience at nuclear power plants*](http://www.wano.org/GoodPractices/Guidelines/2003/GL2003_01.pdf)

**In progress:**

* None

**Units with No Events Published in the Last 12 Months**

|  |
| --- |
| **WANO Atlanta Centre Units** |
|
|  | All AC units reporting |  |  |  |  |

|  |
| --- |
| **WANO Moscow Centre Units** |
|
| 1 | Kalinin 1 |  |  |  |  |

|  |
| --- |
| **WANO Paris Centre Units** |
|
|  | All PC units reporting |  |  |  |  |

|  |
| --- |
| **WANO Tokyo Centre Units** |
|
| 1 | Chasnupp 2 |  |  |  |  |