**Event Reporting Level and Timeliness**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** | **Total** |
| **2015** | **1185** | **218** | **718** | **240** | **2361** |
| 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* | *146* | *107* | *452* |
| *No. of units with no WER in the past 12 months* | *-* | *-* | *1* | *-* | *1* |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Atlanta** | **Moscow** | **Paris** | **Tokyo** |
| **2015** | **97** | **111** | **121** | **133** |
| 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** | **22** | **2** | **58** | **61** |
| 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:**

* [**WER TYO 15-0221**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22672), *Plant Trip on Loss of Grid and Failure of One EDG*

**Events classified as Noteworthy this month:**

* [**WER ATL 15-1080**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22577), *Potential Loss of Safety Function of DC Distribution System*
* [**WER ATL 15-1102**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22653), *Passing Valves in Liquid Injection Shutdown System Required a Forced Outage of the Unit*
* [**WER ATL 15-1106**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22658), *Manual Reactor Trip Due to Loss of Main Feedwater*
* [**WER MOW 15-0205**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22749), *(PRELIMINARY) Erroneously inserted fuel assembly*
* [**WER PAR 15-0627**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22606), *Air Leakage in Diaphragms & Breathing Holes of Some VELAN Pneumatic Cutoff Valves of Unit Y1*
* [**WER PAR 15-0690**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22816), *Cooling of spent fuel pool interrupted for 16 minutes in RCD (Refuelling mode, defueled)*
* [**WER PAR 15-0696**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22825)*, Erroneous parameter setting in the calculation code used to calculate the secondary thermal report*
* [**WER PAR 15-0713**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22849), *Electric shock of an employee during a lifting operation with a mobile crane in vicinity of a high voltage line*
* [**WER PAR 15-0721**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22861), *Unit shutdown in line with action statement of LCO on an Auxiliary Feedwater System (ASG) issue*
* [**WER TYO 15-0211**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22645), *Plant Trip on Loss of Grid*
* [**WER TYO 15-0212**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22646), *Plant Trip on Loss of Grid*
* [**WER TYO 15-0213**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22647), *Plant Trip on Loss of Grid*
* [**WER TYO 15-0222**](http://www.wano.org/OperatingExperience/OE_Database_2012/Pages/EventReportDetail.aspx?ids=22674), *Plant Trip on Loss of Grid*

**SOERs and SERs**

**Issued this month:**

* [**SER 2015-1**](http://www.wano.org/OperatingExperience/WANO_SER/2015/SER%202015-01.pdf), Weaknesses in *Steam Generator Foreign Material Control*

**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)*)*
* [**SER 2015-1**](http://www.wano.org/OperatingExperience/WANO_SER/2015/SER%202015-01.pdf), Weaknesses in *Steam Generator Foreign Material Control*

**In progress:**

* SOER 2015-2, *Risk Management*

**Reports and Analysis**

**Issued this month:**

* [**RPT 2015-10**](http://www.wano.org/OperatingExperience/OE_Analysis/Analysis_of_Loss_of_Offsite_Power_Events.pdf)*, Analysis of Loss of Offsite Power Events*
* [**RPT 2015-11**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Radiation_Protection.pdf)*, Radiation Protection List of Relevant WANO Documents*
* [**RPT 2015-12**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Chemistry.pdf)*, Chemistry List of Relevant WANO Documents*
* [**RPT 2015-13**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Training.pdf)*, Training 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*
* [**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*
* [**RPT 2015-10**](http://www.wano.org/OperatingExperience/OE_Analysis/Analysis_of_Loss_of_Offsite_Power_Events.pdf)*, Analysis of Loss of Offsite Power Events*
* [**RPT 2015-11**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Radiation_Protection.pdf)*, Radiation Protection List of Relevant WANO Documents*
* [**RPT 2015-12**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Chemistry.pdf)*, Chemistry List of Relevant WANO Documents*
* [**RPT 2015-13**](http://www.wano.org/WANO/WANO_Documents/Relevant_WANO_Documents/Relevant_WANO_Documents-Training.pdf)*, Training List of Relevant WANO Documents*

**In progress:**

* None

**Just-In-Time Operating Experience**

**Issued this month:**

* [JIT013a – *Reactivity Manipulations*](http://www.wano.org/OperatingExperience/JIT/English/JIT013a_Rev0.pdf)

**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)
* [JIT013a – *Reactivity Manipulations*](http://www.wano.org/OperatingExperience/JIT/English/JIT013a_Rev0.pdf)

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

**In progress:**

* [JIT119a – [Hydrogen combustibility - nuclear plant side](http://www.wano.org/OperatingExperience/JIT/English/JIT119_Rev0.asp)](http://www.wano.org/OperatingExperience/JIT/English/JIT013a_Rev0.pdf)
* [JIT120a – [Hydrogen combustibility - balance of plant side](http://www.wano.org/OperatingExperience/JIT/English/JIT120_Rev0.asp)](http://www.wano.org/OperatingExperience/JIT/English/JIT013a_Rev0.pdf)

**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/RPT%202015-01%20-%20OE%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** |
|
| All MC units reporting |

|  |
| --- |
| **WANO Paris Centre Units** |
|
| 1 | Oskarshamn 1  |  |  |  |  |

|  |
| --- |
| **WANO Tokyo Centre Units** |
|
| All TC units reporting |