

FY 2015 Reliability Summary

Data through Run 2016-2

FY 2016 Actual	Unavailability	Unavailability	Number	Mean Time	Faults Per		
	Percent	Hours					
RF	0.25%	12.73	10	493.5	0.05	User Downtime Hours	64.63
Diagnostics	0.11%	5.55	6	822.6	0.03		
PS	0.55%	27.58	17	290.3	0.08	Scheduled Hours	5000
Controls	0.03%	1.38	2	2467.7	0.01		
Network	0.00%	0.00	0		0.00	Delivered Hours	4935.3
Safety Interlocks	0.16%	8.12	4	1233.8	0.02		
Radiation Monitors	0.00%	0.00	0		0.00	User Availability	98.71%
MOM	0.05%	2.32	1	4935.3	0.00		
S&A	0.00%	0.00	0		0.00	Longest period w/out a fault	565.27
Operations	0.05%	2.63	2	2467.7	0.01		
ID-FE	0.00%	0.00	0		0.00		
ID-FE/MD	0.00%				0.00		
ID-FE/XFE	0.00%				0.00		
Utilities	0.08%	3.78	2	2467.7	0.01		
Electrical - APS	0.00%	0.00	0		0.00		
Electrical - ANL	0.08%	3.78	2	2467.7	0.01		
Cooling - ANL	0.00%	0.00	0		0.00		
Other	0.00%	0.00	0		0.00		
Unidentified	0.01%	0.53	2	2467.7	0.01		
APS-U		0.53	2	2467.7	0.01		
Total	1.30%	65.17	46	107.3	0.22		

Run 2015-3	Unavailability	Unavailability	Number	Mean Time	Faults Per		
	Percent	Hours					
RF	0.42%	6.55	4	383.3	0.06	User Downtime Hours	19.88
Diagnostics	0.00%	0.00	0		0.00		
PS	0.50%	7.83	5	306.6	0.08	Scheduled Hours	1553.0
Controls	0.06%	0.87	1	1533.1	0.02	Delivered Hours	1533.1
Network	0.00%	0.00	0		0.00		
Safety Interlocks	0.11%	1.78	2	766.6	0.03	User Availability	98.72%
Radiation Monitors	0.00%	0.00	0		0.00		
MOM	0.00%	0.00	0		0.00		
S&A	0.00%	0.00	0		0.00	Longest period w/out a fault	423.13
Operations	0.08%	1.22	0		0.00		
ID-FE							
Utilities	0.11%	1.63	1	1533.1	0.02		
Electrical - APS	0.00%	0.00	0		0.00		
Electrical - ANL	0.11%	1.63	1	1533.1	0.02		
Cooling - ANL	0.00%	0.00	0		0.00		
Other	0.00%	0.00	0		0.00		
Unidentified	0.00%	0.00	0		0.00		
Total	1.30%	19.88	13	117.9	0.20		

Run 2016-1	Unavailability	Unavailability	Number	Mean Time	Faults Per		
	Percent	Hours					
RF	0.21%	3.63	3	574.6	0.04	User Downtime Hours	19.28
Diagnostics	0.18%	3.08	6	287.3	0.08		
PS	0.36%	6.22	4	430.9	0.06	Scheduled Hours	1743
Controls	0.00%	0.00	0		0.00	Delivered Hours	1723.7
Network	0.00%	0.00	0		0.00		
Safety Interlocks	0.14%	2.38	1	1723.7	0.01	User Availability	98.9%
Radiation Monitors	0.00%	0.00	0		0.00		
MOM	0.13%	2.32	1	1723.7	0.01		
S&A	0.00%	0.00	0		0.00	Longest period w/out a fault	452.53
Operations	0.07%	1.23	1	1723.7	0.01		
ID-FE	0.00%	0.00	0		0.00		
Utilities	0.00%	0.00	0		0.00		
Electrical - APS	0.00%	0.00	0		0.00		
Electrical - ANL	0.00%	0.00	0		0.00		
Cooling - ANL	0.00%	0.00	0		0.00		
Other	0.00%	0.00	0		0.00		
Unidentified	0.02%	0.42	1	1723.7	0.01		
Total	1.12%	19.28	17	101.4	0.24		

Run 2016-2	Unavailability	Unavailability	Number	Mean Time	Faults Per		
	Percent	Hours					
RF	0.15%	2.55	3	511.0	0.05	User Downtime Hours	25.47
Diagnostics	0.14%	2.47	0		0.00		
PS	0.79%	13.53	8	191.6	0.13	Scheduled Hours	1704
Controls	0.03%	0.52	1	1533.1	0.02	Delivered Hours	1678.5
Network	0.00%	0.00	0		0.00		
Safety Interlocks	0.23%	3.95	1	1533.1	0.02	User Availability	98.5%
Radiation Monitors	0.00%	0.00	0		0.00		
MOM	0.00%	0.00	0		0.00		
S&A	0.00%	0.00	0		0.00	Longest period w/out a fault	565.27
Operations & Analy	0.01%	0.18	1	1533.1	0.02		
Physics	0.00%	0.00	0		0.00		
ID-FE	0.00%	0.00	0		0.00		
ID-FE/MD	0.00%	0.00	0		0.00		
UES	0.00%	0.00	0		0.00		
Utilities	0.13%	2.15	1	1533.1	0.02		
Electrical - APS	0.00%	0.00	0		0.00		
Electrical - ANL	0.13%	2.15	1	1533.1	0.02		
Cooling - ANL	0.00%	0.00	0		0.00		
Other	0.00%	0.00	0		0.00		
Unidentified	0.01%	0.12	1	1533.1	0.02		
APS-U	0.00%	0.00	0		0.00		
Total	1.49%	25.47	16	104.9	0.23		