

1Q/2014 ROP Performance Indicators Summary

p>Fort Calhoun was shut down in April 2011 and subsequently commenced power operation in December 2013. Mitigating Systems Performance Index (MSPI) performance indicators (PIs) are heavily influenced by the operational status of the reactor, NRC staff has evaluated the validity of these PIs. The MSPI values can become skewed because of the low number of critical hours during the assessment period (3 years) of the PI. For these reasons, the staff has determined that these PIs currently do not provide valid indications of performance. The low critical hours are also causing other indicators at this site to be invalid, in accordance with NEI 99-02.

Plants	IE 01	IE 03	IE 04	MS 05	MS 06	MS 07	MS 08	MS 09	MS 10	BI 01	BI 02	EP 01	EP 02	EP 03	OR 01	PR 01	PP 01
Arkansas Nuclear 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Arkansas Nuclear 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Beaver Valley 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Beaver Valley 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Braidwood 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Braidwood 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Browns Ferry 1	G	G	G	G	W	W	G	G	G	G	G	G	G	G	G	G	G
Browns Ferry 2	G	G	G	G	W	G	G	G	G	G	G	G	G	G	G	G	G
Browns Ferry 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Brunswick 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Brunswick 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Byron 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Byron 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Callaway	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Calvert Cliffs 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Calvert Cliffs 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Catawba 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Catawba 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Clinton	W	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Columbia Generating Station	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Comanche Peak 1																	

US NRC Reactor Oversight Process -- PI Summary

	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Comanche Peak 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Cooper	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
D.C. Cook 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
D.C. Cook 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Davis-Besse	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Diablo Canyon 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Diablo Canyon 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Dresden 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Dresden 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Duane Arnold	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Farley 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Farley 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Fermi 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
FitzPatrick	G	W	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Fort Calhoun	N	N	G	W	N	N	N	N	N	G	G	G	G	G	G	G	G
Ginna	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Grand Gulf 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Harris 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Hatch 1	G	G	G	G	G	G	G	G	G	G	G	G	G	U	G	G	G
Hatch 2	G	G	G	G	G	G	G	G	G	G	G	G	G	U	G	G	G
Hope Creek 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Indian Point 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Indian Point 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
La Salle 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
La Salle 2	G	G	W	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Limerick 1																	

US NRC Reactor Oversight Process -- PI Summary

	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Limerick 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
McGuire 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
McGuire 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Millstone 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Millstone 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Monticello	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Nine Mile Point 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Nine Mile Point 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
North Anna 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
North Anna 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Oconee 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Oconee 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Oconee 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Oyster Creek	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Palisades	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Palo Verde 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Palo Verde 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Palo Verde 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Peach Bottom 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Peach Bottom 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Perry 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Pilgrim 1	G	G	W	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Point Beach 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Point Beach 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Prairie Island 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Prairie Island 2																	

US NRC Reactor Oversight Process -- PI Summary

	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Quad Cities 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Quad Cities 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
River Bend 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Robinson 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Saint Lucie 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Saint Lucie 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Salem 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Salem 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Seabrook 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Sequoyah 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Sequoyah 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
South Texas 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
South Texas 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Summer	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Surry 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Surry 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Susquehanna 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Susquehanna 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Three Mile Island 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Turkey Point 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Turkey Point 4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Vermont Yankee	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Vogtle 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Vogtle 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Waterford 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Watts Bar 1																	

	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Wolf Creek 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

Legend: R=Red W=White GTC=Greater Than Green I=Insufficient Data to Calculate PI U=Unique Design
 Y=Yellow G=Green T=Thresholds under development N=Not Applicable D=Discrepant

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|----------------------------------------------------|-------------------------------------------------|
| IE01 = Unplanned Scrams per 7000 Critical Hours | MS05 = Safety System Functional Failures |
| IE03 = Unplanned Power Changes | MS07 = High Pressure Injection System |
| MS06 = Emergency AC Power System | MS09 = Residual Heat Removal System |
| MS08 = Heat Removal System | BI01 = Reactor Coolant System Specific Activity |
| MS10 = Cooling Water Systems | EP01 = Drill/Exercise Performance |
| BI02 = Reactor Coolant System Leak | EP03 = Alert and Notification System |
| EP02 = ERD Drill Participation | PR01 = RETS/ODCM Radiological Effluent |
| OR01 = Occupational Exposure Control Effectiveness | PP01 = Protected Area Equipment |
| IE04 = Unplanned Scrams with Complications | |

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