

From: Cataldo, Paul
Sent: Monday, June 14, 2010 1:44 PM
To: Halter, Mandy
Subject: Historical...FW: Evaluation of expected Turbine Overspeed on Load Reject Event.

FYI...for your use....

From: Walpole, Robert W [mailto:rwalpol@entergy.com]
Sent: Thursday, August 13, 2009 1:19 PM
To: Cataldo, Paul
Subject: Fw: Evaluation of expected Turbine Overspeed on Load Reject Event.

For your use.

Bob

Sent from my BlackBerry Wireless Handheld

From: Curley, Kevin N
To: Lee, Lizabeth Ann; Walpole, Robert W
Cc: Conroy, Patric W; Coulter, Jason; Vasely, Michael J; Wilson, Clay K; Pulcher, Thomas; Dean, Gregory D; McCaffrey, Thomas S; Troy, Michael J; Troy, Mary; Murawski, Donald; Sullivan Weaver, Daria; Chan, Tat
Sent: Wed Aug 12 09:47:00 2009
Subject: Evaluation of expected Turbine Overspeed on Load Reject Event.

At approx 2040, 8/17/09, the MTG reached a speed of 2146 rpm after the Generator fault trip (initiated by Gen Primary Lockout Relays). The lockout relays also trip the Main Turbine Stop & Control Valves and actuate the LP Steam Dumps. However with the time delay involved, residual steam in the turbine train will increase turbine speed over 1800 rpm as the counterbalancing generator load on the Main Turbine is lost. The FSAR design limit for turbine overspeed in this case is 132% Overspeed and is LP Turbine limiting.

2146 rpm for the 8/17 generator trip equates to 119.2% overspeed. Past full load reject events after the ABB LP Turbine mod recorded overspeeds in the range of 119 to 120%. Since there is no deviation in speed from past events (even after Power Update), there is no need for further investigation related to turbine speed for this event.