

King, Mark

From: King, Mark | *MRK*
Sent: Tuesday, August 23, 2011 5:30 PM
To: Bahadur, Sher; Thorp, John
Subject: EO Call monitoring notes for John Thorp/ Sher Bahadur Nighttime EO

Sher – bottom line **No additional calls are planned for tonight. All plants stable / safe.**

NRC Press release issued:

SEE link: <http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-153.pdf> and [NRC public webpage](#) for any updates.

Also a PN is being coordinated by Region-II with I and III to be released later tonight most likely.

EO call info from 8/23/2011 for the event: The agency is currently in monitoring mode due to 7 plants in RI and two plants in RII that have declared an unusual event. Due to an earthquake near Mineral, Va. In addition, North Anna in RII declared an ALERT due to a loss of offsite power, loss of EDG and Security System issues... Alert declared on other conditions existing - **based on actual or potential substantial degradation of safety or security as determined by the EO for the North Anna site.**

Reported time of the earthquake was at 13:51 EDT

I tied into the EO call at 3:30 PM - at the request of John Thorp, Daytime EO who was headed home but will continue to monitor from his van pool (although cell phone service can be spotted on his route home).

EO /executive team call was discussing setting up a Chairman brief with the TA's. Shortly later it was reported that Chairman called down and said he did not need a brief right now. Bill Borchardt is briefing him now. Chairman's TAs will be briefed at ~4:15 PM.

Victor McKee came on – discussed the issuance of an PN. Looking at CNN, he noted they said 9 units in are UEs. But we know **North Anna is in an Alert**. Do we need to get this corrected information out quickly to the public? PN will be put out by Region-II - (at least that's what Victor [Region-II RA] recommends).

Does the EDO / Public Affairs want to issue a Press Release also?... checking with White House to see they have no heart burn with what we are about to release to the media or PN.

A MC 0929?? regarding "Multiple simultaneous incidents" is apparently being reviewed. (Someone noted that a Lesson learned last time we used this procedure in a drill was that we need to revise it – it apparently wasn't very helpful). *NOTE: I looked for this MC on the NRC MC page, and could not find it???*

Bill Borchardt has updated the Chairman, Bill is monitoring this line and will update the Chairman at 4:30 PM. Commissioner TA briefing at 4:15 is still planned.

SRI at North Anna has not been reconnected to safety counterpart link. Also we have lost link the RI. Priority is to get communications re-established with the North Anna Resident Inspector (RI) staff.

*Rough calculations – preliminary estimate is that the earthquake would met the **safe shutdown earthquake** level (especially at higher frequencies) and may have equaled the design basis earthquake based on NRC calcs.. Earthquake had a very shallow epicenter, therefore ground motion is much more amplified. This is very Preliminary / Pre-decisional information.*

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F/S

Off-site power is now re-established/ available to the site so they can re-tie if and when the licensee at North Anna is ready to make the transfer. Overpressure trips on sudden overpressure trips occurred on site electrical transformers that still need to be reset / site needs to check out prior to retying to off-site power.

Emergency power is available to all four safety-buses from EDGs with the 2H safety bus being supplied by the SBO DG. Note: 2H safety-related EDG is out due to coolant leak – had a flange leak after starting up, so apparently it was shutdown.

Cindy Peterson Region-III asked "why are we not going into monitoring mode for the 2 units in Region-III that reported UEs but we did for all the plants in Region-II.

Why not/ basis response was – primarily based on distance from epicenter, and likelihood of damage to those units (not is expected).

Jack Grobe is taking a break from call for 5 to 10 minutes at 3:51PM.

4:05 I called the HOO to get **Sher Bahadur's (NIGHTTIME EO)**
blackberry phone (b)(6) ← [Pii]

I called him and he said he was currently commuting and could not talk. I told him to check his emails when he got home and to call into the bridge line if it is still continuing. He should get home ~ 5 PM.

4:10 PM -- Victor McCree asked have we issued the press release yet?

Lots of phone problems / feedback issues.

4:23 Briefing notes: Most of the units declared UEs. North Anna declared an Alert. Victor McCree to brief: 13:51 seismic event. About 2 miles from North Anna. North Anna at 100% trip were doing TDAFW maint. on unit 1 at the time. Both loss circ water, units turbine trip and negative rate induced tripped both reactors. 1403 Alert declared on other conditions exist **based on actual or potential substantial degradation of safety or security**. Headquarters entered the monitoring mode. Loss of offsite power. 2H bus energized by SBO EDG. Relieving steam to atm. No radiological conditions. SFP cooling lost but no significant heat up (common SFP for both units). Dam inspected no damage noted – FERC notified. Security camera power lost, comp measures implemented. 22 Personnel not accounted for currently. RI staff safe, families safe as well. SRI and RI are on site. TSC / EOF.

500KV lines are offsite power, will restore power via reserve station transformers (RSST). No damage but Sudden Pressure Trip did actuate. Will restore C RST first. Non-safety service transformers sustained damage.

#2 Transformer (1 of 2) had a fault, not external damage noted. No reports of damage to off-site power transmission towers.

Question on what were Acceleration (G's) rate at the site? Answer: info are not available at this time

Surry and Harris also declared UEs but units did not trip. No damage reported. B&W Lynchburg, Va. felt the quake - but reports no damage.

Tom Hickman Chairman's office questioned on fuel facilities: GE did not feel it. NFS felt it - no damage.

Region-1 sites report very minor in nature damage, no safety issues.

RI staff doing independent walkdowns. Expect those to complete in the next hour and half.

Press release questions: on UE declarations reason---

Answer: sensing or feeling an earthquake or alarms based on their site specific EALs.

Two UEs in Region-III DC Cook and Palisades in Michigan. - No damage reported.

White house national security folks have been made aware of the issues.

No additional calls are planned for tonight.

Tim McGinity will be covering for Jack Grobe who is going out of town.

Jack dropped off call at 4:55 PM.

John Thorp dropped off the call at 5 PM.

Basically they closed down the call at 5:04. The line will remain active – Region-II IRC watchbill is established (“which will take us right into Hurricane Irene response which is approaching Region-II” per Victor McCree).

Call has now ended, headquarters ET folks went on mute. I dropped off at 5:05PM.

Have a good night. All plants appear to be stable/ safe, North Anna still has to restore off-site power to safety-buses and they will then need to repair non-safety transformers (bushing damage) before restarting the plants. They may be going down in modes while these repairs take place, still to be determined.

FYI, John feel free to add / revise notes / then send out to others after summarizing

My lesson learned—I found out it is much better to just take notes by hand, as opposed to typing them as the call is on-going for future reference. I believe I could have had better notes taken by hand. But this does get me home quicker. Have a good night. PS – Eric Leeds was noted on the call as being out playing golf – and the rumor is the earthquake helped his putt-ing and one may have gone in on the first putt during the quake. LOL.

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