Op Center Event Chronology

1920 N16 alarms, SJAE Rad, Pzr lvl ↓ (leakage > 1 charging pump)

1929 Declared alert, Rx manually tripped. Entered EC

2031 Isolated 24 SG

2103 Initiated SI manually

2135 Secured SI

2200 P/S pressures roughly equal. Continuing cooldown all safety equipment available

2250 RCP 21, 22, 23 have been secured. Lvl in SG 24 is 78%, increasing slowly.
RCS – 1013 psig, SG 24 973 psig.

2310 Licensee believes can terminate Alert @ 200°F in RCS. Est. 10 hours to get there. RCS @ 460°F with RCP 24 running. Borating to establish SD margin for cooldown. Exterior rad surveys are negative.

2320 RCS sample shows slightly elevated activity (I-131 @ 25-2 μCi/cc) Normal post trip. Boron @ 860 ppm (up from 300 ppm pre-trip)

0015 RCS press < SG 24 press ⇒ backfilling RCS from SG 24. RCS @ 870 psig, SG @ 910 psig
RCS @ 464°F.

0130 Cond. vacuum reestablished
RCS 432°F 748 psig 77°F subcool

0220 RCS 400°F 697 psig 100°F subcool

0310 RCS 375°F 678 psig 50°/hr cooldown

0425 RCS 352°F 643 psig 14°F subcool realigning R

0450 Started RHR pumps for 30 min recirc. for boron sample prior to initiating RHR cooling.

B

7:29 Alert EOPs N-16 on air ejector (?)

8:30 Isolated ruptured SG

9:03 SI manual

9:30 P/S ΔP equalized

9:40 opened letdown

John Rogg (?) DRP Reg I

No primary or secondary relief lifted.

OR Brief SB4 today @ 10am

1½ hours after event, used SI "to help cooldown" and an atm. dump may have lifted or simmered for 12 minutes.

air ejector switches to discharge inside containment in a matter of minutes.

Expected capacity of 2 charging pumps (~150 gpm)
Est 92 gpm after isolated & depressurization in RCS.
(Hub Miller)

Alert is based on 7 1 charging pump (~75 gpm)
still dropping after started 2nd pump 5 min after alarm.

* Expect to bring RCHR on @ 11 am