

# Main Injector Power Outage Response

Reviewed by Marty Murphy

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Please notify the Main Injector department and the Operations Specialist in the event of a glitch or power outage. If at any point in this procedure something does not work, call the appropriate personnel for assistance.

## 1. Contact personnel as necessary:

- Department Head - Ioanis Kourbanis
- MI Group Leader - Dave Capista
- MI Department Machine Coordinator

## 2. As soon as power is restored and controls return:

- a. **VACUUM:** Recover vacuum. Start pumps up as needed.
- b. **WATER:** Make sure that LCW, RF and Cavity systems are up and running. For troubleshooting PLC problems contact Paul Kasely.
- c. **LINKS and NODES:** Verify the link is up on D20 and MI nodes are responding.
- d. **RESTORES:** Do a complete restore any differences of MI crates. Be aware of various Tev components that live on the MI CAMAC link and associated C49 restores. (See *TeV C49 Crate Restore Check* on the memo pad.) Also be aware that MIVAC handles F0 vacuum.  
Restore I2 and I3 ramp files.

## 3. When the water systems are recovered and stable:

- a. **POWER SUPPLIES:** Turn on the power supplies
- b. **RF:** Recover the RF systems in consultation with RF technicians.

## 4. When all systems are stable:

- a. **VALIDATE ALARMS!!** Make sure all devices are being monitored.
- b. Load timeline #58 to learn in MECAR ramps.  
*Be aware this may cause a loss of RR beam!!!*
- c. Make sure all systems are on and running nominally.
- d. Try beam!

**NOTES:** Please use this area to note any problems encountered during recovery.