

# Pickering Nuclear Incident Response

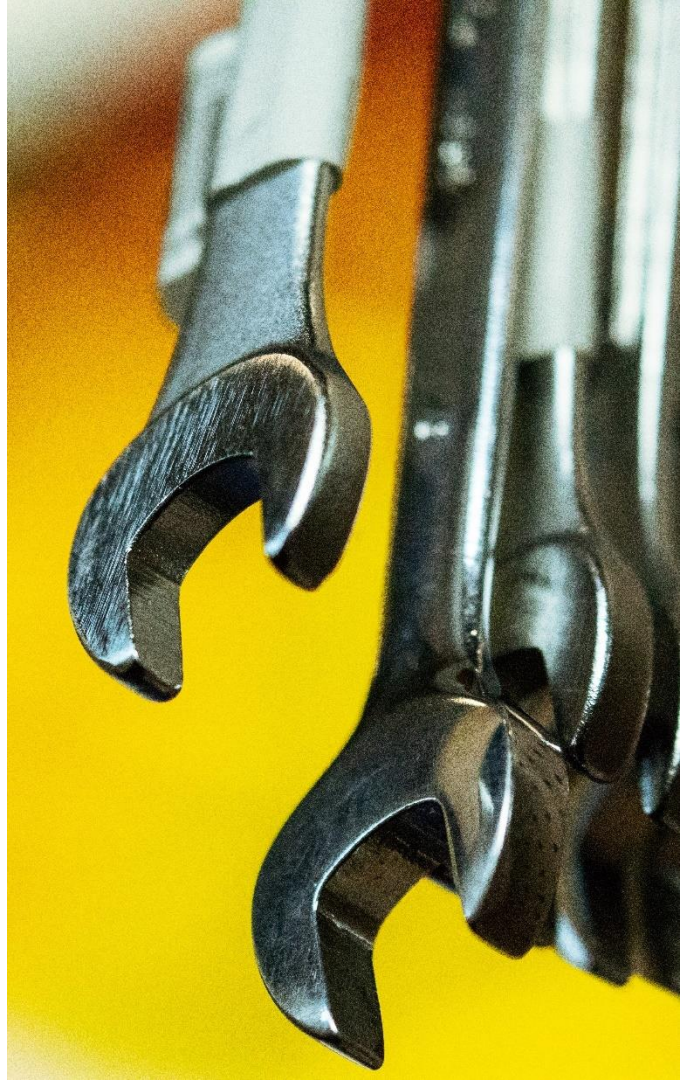
21 January 2020



ONTARIO**POWER**  
GENERATION

# Agenda

- 1 | Design Features Protecting the Public and Environment
- 2 | Site Actions by Shift Manager
- 3 | On Call Staff set-up Site Management Center





# Design Features to Protect the Public

- Special Safety Systems:
- Redundant shutdown systems to automatically shutdown the unit
- Redundant systems available to cool the fuel
- Multiple barriers in place to contain radioactivity
  - Separate Vacuum Building if necessary to retain atmosphere; allows time prior to any release
- Well trained, dedicated Nuclear Professionals on site 24/7, 365 days a year operating the plant to high standards
- We live, work and have families in the community



## Site Actions completed by Shift Manager

- Station Shift Manager assumes command and control of the emergency response on site
  - Ensures station staff are accounted for and assembled
  - Notifies on-call staff and external agencies of the event, provides them with survey data and key plant parameters allowing their plans to be initiated
  - Directs team of surveyors, maintenance staff, firefighters and operations staff to identify any abnormal plant conditions and initiate repairs if needed
  - Directs surveyors to survey site boundary, uses automated real-time instruments, have vehicles and dedicated instruments and materials poised for use
  - If required, directs security to evacuate playing fields and Alex Robertson park



# On Call Staff Respond

- On-call emergency staff set-up a management center at the PLC to support the Shift Manager
  - Senior Operations leadership, Emergency Preparedness staff, Health Physicists, Engineering, Security, Public Affairs staff report to the facility to support the Shift Manager.
  - Local Media Center set-up at the Pickering Information Center
  - Surveyors continue to obtain data at site boundary, and will expand into detailed planning zone depending on conditions



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