



OPG Enterprise Emergency Management

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2021 highlights & 2022 Look ahead



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Enterprise Emergency Management – Our Mandate

CNSC Reg Doc 2.10.1 & Provincial Nuclear Emergency Response Plan (PNERP)

- Nuclear Emergency Preparedness capability: Facilities, Equipment, ERO, Procedures
- Emergency Management – Business Continuity, Crisis Management, Grid
- Emergency Response Organization (ERO) qualifications:
 - 1,500 ERO, 54 unique qualifications
- Conduct drills & exercises to confirm effectiveness of emergency plans
- Off-site authorities and stakeholders alignment

Emergency Management Pillars

1. Program Excellence

Strengthen OPG's social license through a robust EP program which is integrated with station goals, to ensure the protection of employees, the public and the environment

2. Perfect Practice

Maximize the Emergency Response Organization's effectiveness through drills and exercises that are realistic, challenging and evaluated against a high standard

3. Constant Improvement through Innovation

*Develop a culture of continually challenging the status quo to improve the EP program through a cycle of:
Ideation → Innovation → Integration → Iteration*

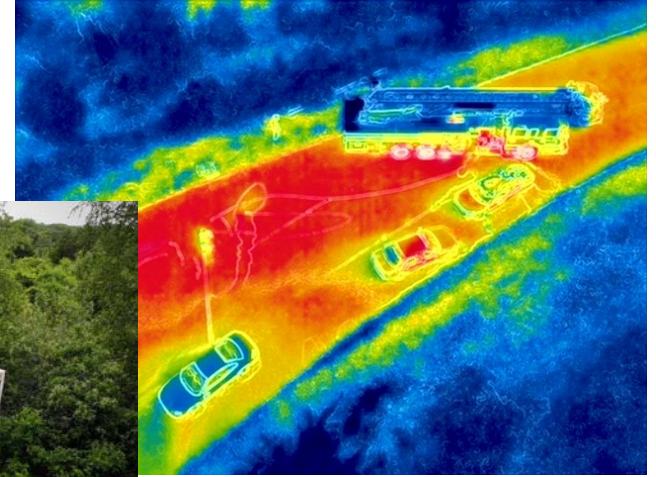
2021 Highlights

- **Enterprise Emergency Management** – ‘Nuclear Emergency Preparedness’ integrated corporate ‘Emergency Management’ onto our team, creating Enterprise Emergency Management, allowing enhanced oversight for Business Continuity, Crisis Management (ie, Covid), and power grid.
- **Drills & Exercises:** Successfully completed 11 evaluated drills, 1 Liquid Emergency Response Plan Drill, 1 Transportation Emergency Response Plan drill, 22 Self Assessed crew practices, and 33 ‘Emergency Shift Assistant’ Proficiency Sessions. Gridex VI - cyber and physical attack scenario on the North American electrical grid.
- **Potassium Iodide (KI) Pills** - 285,000 KI Pills were distributed through preparetobesafe.ca and New Neighbours.
- **Innovation** – Decommissioned NETS & increased capability with mobile and satellite phones
- **COVID Protocols:** WFH, enhanced cleaning and staff protection protocols within ERO, virtual response guidelines, cross train ERO to increase depth. IDIRT and CMCC virtual activation.
- **International Evaluation:** Pickering WANO evaluation highlighted the strength of OPGs EEM program. “Remote evaluation of Drills” was recognized as an industry leading strength, allowing us to maintain ERO proficiency at a time when the industry saw a decline.

'Remote Evaluation' of Drills



Transportation Emergency Response Plan (TERP) - Drill





2022 Priorities

- **Drills & Exercises:** Continued implementation of full drill schedule (5 Darlington & 6 at Pickering) through 2022, including new and challenging drill scenarios. Continue use of 'Remote evaluation' and 'Self evaluation'. ExU Command February 23-25 At Darlington Nuclear.
- **Partnerships:** Maintain strong partnerships with external partners (Regional, community, Nuclear industry) through regular discussion, alignment and MOU's.
- **External Evaluations:** CNSC site visits & audits, WANO Corporate evaluation (March), Insurance Audit (February)
- **Technology:** WebEOC upgrades, enhanced use of communications (Satellite phone, 3g, mobile)
- **Resourcing:** Building proficiency of several new staff to department to improve organizational agility
- **New Nuclear (Small Modular Reactor Darlington):** Supporting OPGs initiative with staff and expertise.
- **ERO Rationalization:** Project to streamline levels of ERO staffing and facilities.

For more information, visit: www.opg.com/nuclearsafety

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