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Title: NUCLEAR SAFETY & SECURITY POLICY

Nuclear Safety & Security:

Nuclear power poses unique hazards due to the enormous energy in the reactor core, radioactive material and decay heat produced by the fuel. Nuclear Safety is the protection of workers, public and the environment from these hazards.

Nuclear Security is aimed at preventing intentional acts that might harm the facility or result in the theft of nuclear materials. Everyone can impact Nuclear Safety and Security.

Policy Statements:

Nuclear Safety and Security shall be the overriding priority in all activities performed in support of OPG nuclear facilities. Nuclear Safety shall have clear priority over schedule, cost and production.

Requirements:

As Nuclear Professionals, everyone shall demonstrate respect for nuclear safety and security by:

- Knowing how your work impacts on Control the power, Cool the fuel and Contain radioactivity (3C's).
- Knowing how you can Deter access, Detect a threat and Delay the assailant (3D's).
- Applying Event-Free tools and defences to prevent events.
- Reporting adverse conditions and unusual behaviours.
- Being vigilant around the control of sensitive information and equipment.
- Acknowledging that a credible threat to security exists and that Nuclear Security is important.

OPG shall conduct comprehensive, systematic and rigorous safety culture assessments at least every 5 years.

Accountabilities:

Everyone shall conduct themselves in a manner consistent with the following Traits of a Healthy Nuclear Safety and Security Culture:

1. Personal Accountability
2. Questioning Attitude
3. Effective Safety Communication
4. Leadership Safety Values and Actions
5. Decision-Making
6. Respectful Work Environment
7. Continuous Learning
8. Problem Identification and Resolution
9. Environment for Raising Concerns
10. Work Processes
11. Vigilance

The Chief Nuclear Officer is accountable to the Chief Executive Officer and the Board of Directors to establish a management system that fosters nuclear safety and security as the overriding priority. This policy shall be reviewed at a 2 year interval.

Sponsoring Unit: Chief Nuclear Officer

Approval: Board of Directors

Effective Date: May 13, 2020

Document requires CNSC Notification

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