



IT SECURITY ANALYST

Niagara Peninsula Energy Inc. (NPEI) is seeking a qualified individual to join our management team in the position of IT Security Analyst. This position reports to the IT Security Manager and is responsible for protecting Niagara Peninsula Energy's assets and securing sensitive data and critical assets from current and emerging threats. This position is responsible for the identification and monitoring of cybersecurity threats and the implementation of appropriate security controls to protect Niagara Peninsula Energy Inc. assets from unauthorized internal and external access, compromise or loss. Risk management assessments are completed to carry out quantitative analysis of threat and vulnerability scenarios that may impact IT systems operations, as well as, business processes in accordance to the Ontario Energy Board Cyber Security Framework.

Primary Duties & Responsibilities:

- Implement and monitor security controls including identification, documentation, and assessment of process functions, security weaknesses, vulnerabilities and controls based upon best practices that fit within the IT Security department's strategic priorities and provide to the IT Security Manager on a timely basis.
- Conduct regular reviews and internal/external scans, to ensure the confidentiality, integrity and availability of the data residing on or transmitted via the Corporation's workstations, servers, and other systems and in databases and other data repositories.
- Perform vulnerability assessments and reviews, facilitating remediation planning, exposure tracking, communicating risk, and reporting on mitigation status in accordance with the vulnerability Patch Management Release Program.
- Prepare remediation as necessary for investigated security incidents and events and proactively collect, assess, and communicate information security intelligence.
- Monitor intrusion detection system and provide analyses of the results and recommendations of corrective actions.
- Conduct the audit of the comprehensive IT and OT disaster recovery plan, the incident response plan and assist in the development and maintenance of the Corporate business continuity plan. This includes participation in the regularly scheduled Red team exercises and playbook simulations.
- Monitor and assess the results of the Remote Monitoring and Management Infrastructure alerts and provide notifications to the IT Security Manager for to all IT and OT assets.
- Review of Security access rights, IT system logs and encryption standards to ensure the integrity of data transmissions and recommend corrective actions as needed.
- Support and participate in the implementation and administration of the Security Information and Event Monitoring platform, ensuring audit trails, system logs and other monitoring data are reviewed and actionable.
- Works with third party monitoring investigation to monitor, share, and build awareness and participate in projects in multiple areas and provide technical expertise on information security issues and reports findings to the IT Security Manager.
- Prepare monthly security reports that align with the Corporation's KPI's and provide to the IT Security Manager.
- Participates in the strategic planning for cyber security and provide recommendations for the Corporation's budget.
- Monitors completeness of the Corporation's Cyber Security Education and Awareness Program.



Required Qualifications & Skills:

- Bachelors Degree in Computer Science or College Diploma in Information Technology/Security.
- Certified Information Security Manager (CISM) is an asset.
- Requires 3 to 5 years of relevant, progressive experience.
- Experience with the National Institute of Standards and Technology (NIST) Cyber Control Set.
- Experience coordinating and supporting security and cybersecurity processes.
- Possess a strong understanding of the key functions of cybersecurity and Cyber Risk mitigation.

How to Apply:

Interested and qualified applicants are encouraged to apply, in confidence, by submitting a cover letter and resume by email addressed to: humanresources@npei.ca no later than **4:30 p.m. on Friday, February 10th 2023.**

NOTE: Applicants who receive a conditional offer of employment from NPEI will be required to provide proof that they are fully vaccinated with a COVID-19 vaccine approved by Health Canada and to maintain their status as fully vaccinated as a condition of continued employment. NPEI will consider individual requests for accommodation by applicants who cannot be fully vaccinated due to grounds protected under the Human Rights Code.

We sincerely thank all applicants for their interest in this position; however, due to volume, only those selected for an interview will be contacted. Niagara Peninsula Energy Inc. is an equal opportunity employer and is AODA compliant. If you are selected to participate in the recruitment process for the position to which you have applied and require a disability-related accommodation, please notify the Human Resources Department.