

ENVIRONMENT

NexGen Energy is committed to achieving environmental excellence throughout all phases of development by incorporating best-in-class environmental practices, designs and technology. These methods and elite standards leverage the Company's experience and known technologies to ensure the health and safety of personnel and the protection of the environment.



WATER MANAGEMENT:

- **Divert Fresh Water:** Maximize the diversion of fresh water (precipitation and runoff) away from facilities and infrastructure.
- **Reuse & Recycle:** Rook I will minimize fresh water intake through water reuse and recycling.
- **Water Treatment:** Water will be collected and treated using two stage, chemical treatment in a wastewater treatment plant.
- **On-site Water Analysis:** Treated water will be stored in lined ponds, analyzed on-site to ensure all environmental discharge criteria is met, then batch released.

WASTE ROCK MANAGEMENT:

- On-site characterization and separation of waste rock based on project-specific environmental criteria.
- Ore and other specific material will be stored on lined pads equipped with leak detection and containment capacity to prevent releases during extreme precipitation events. Ore will be processed in the mill. After a comprehensive analysis of tailings management options it is proposed that environmentally sensitive material be placed back underground during decommissioning.
- Clean waste rock will be piled on surface and contoured below the topographic high point in the area during operations and decommissioned in-place during operations.

WASTE MANAGEMENT:

- All domestic, industrial, hazardous, and radiologically contaminated waste will be segregated, tracked and managed according to classification and characterization.
- Rook I is designed and will be operated in a manner that minimizes the generation of wastes, protects workers, the public, and the environment while complying with regulatory requirements.

DECOMMISSIONING AND RECLAMATION:

- Rook I has been designed with decommissioning in mind and progressive decommissioning will occur throughout the operational phase of the Rook I including the proposed placement of tailings underground and contouring the clean waste rock pile to mimic local topography during operations.
- A financial assurance to cover the costs of decommissioning and reclamation will be in place following the completion of the EA, but prior to the start of project construction.
- Following the completion of operations, the site will be returned to a state that is suitable for recreational and traditional land uses without any access restrictions.