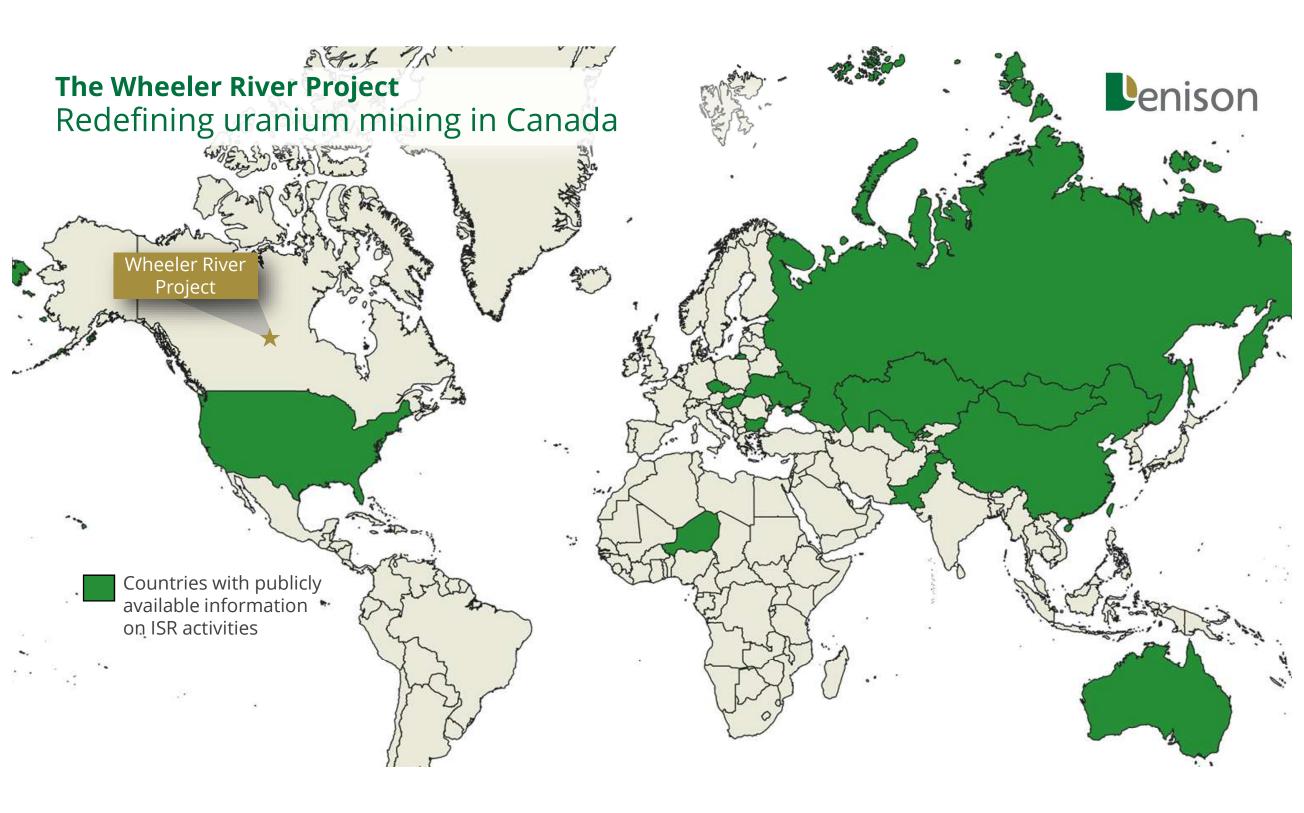


1	Project Overview and History
2	Indigenous and Community Engagement
3	Environmental Assessment
4	Licence to Prepare and Construct
5	Other Matters

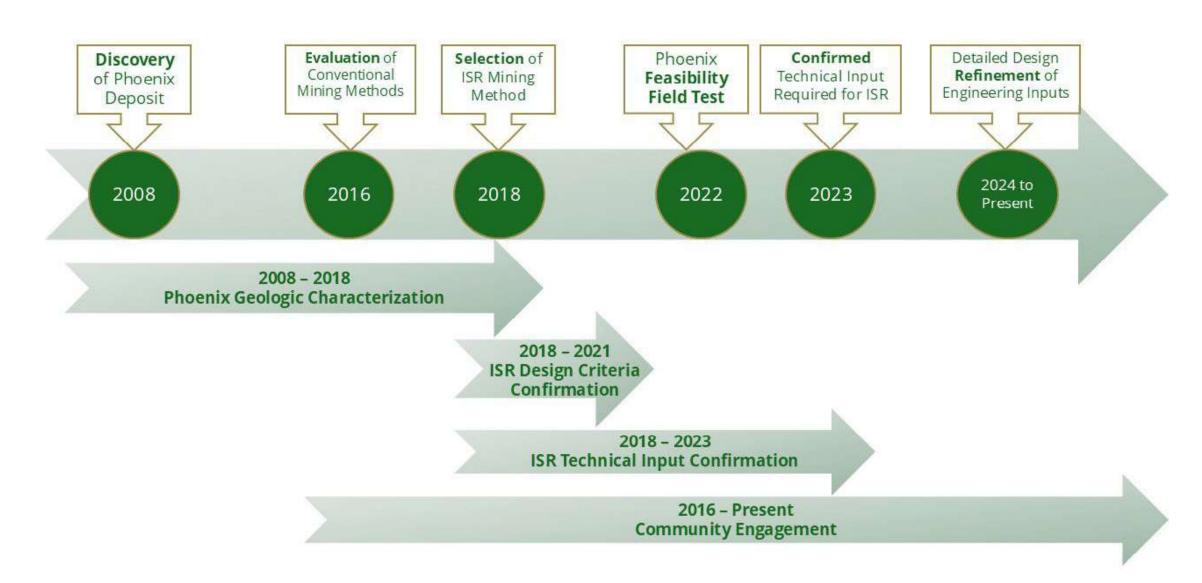






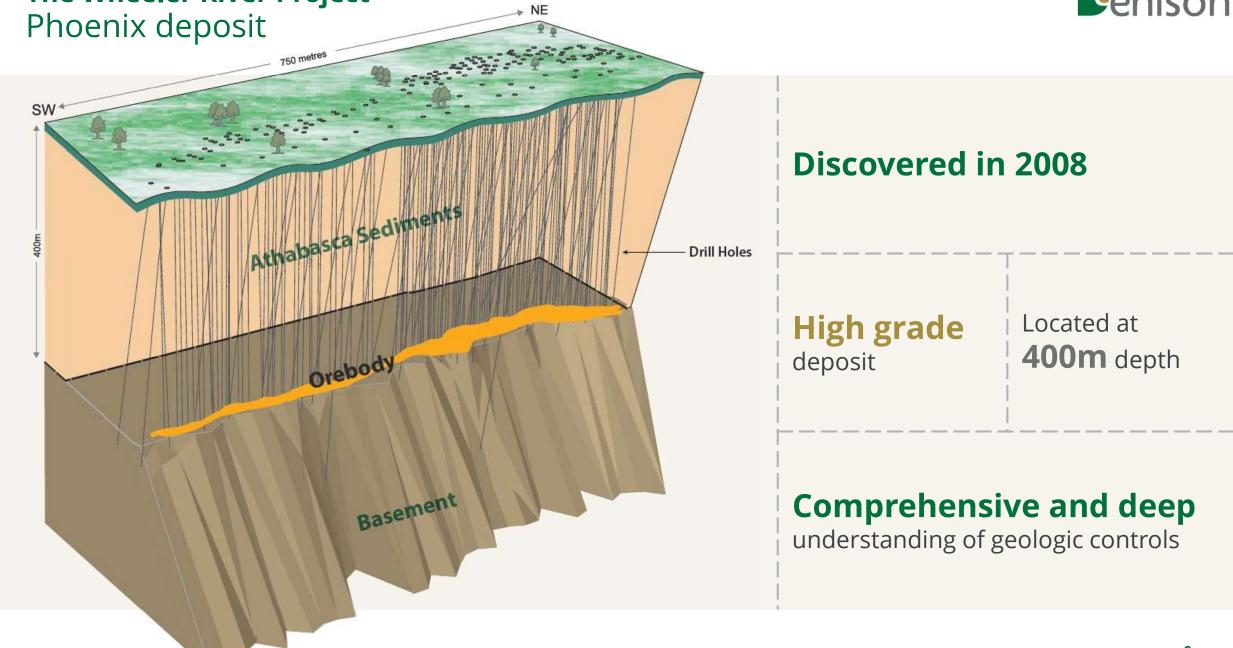
The Wheeler River Project Discovery to development







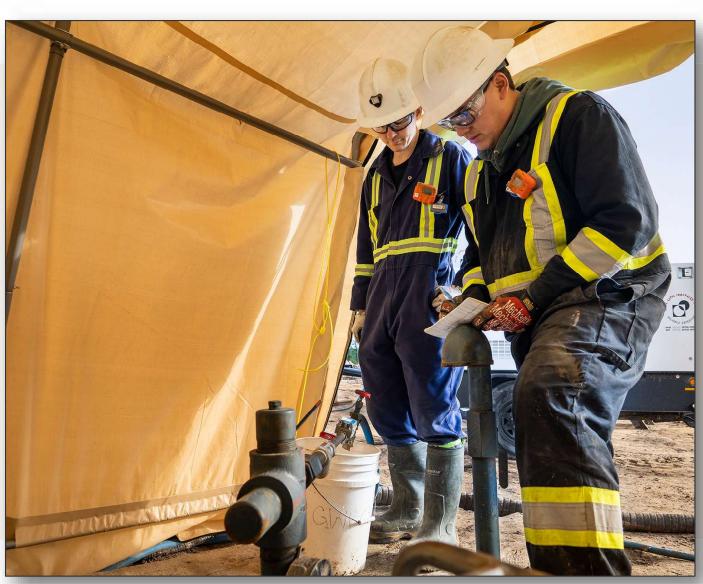




In-Situ Recovery Mining

General criteria for successful ISR mining





Deposit Characterization

Permeability

Connection between injection and recovery wells

Containment

Control of mining solutions

Leachability

Ability to **dissolve** uranium from the ore

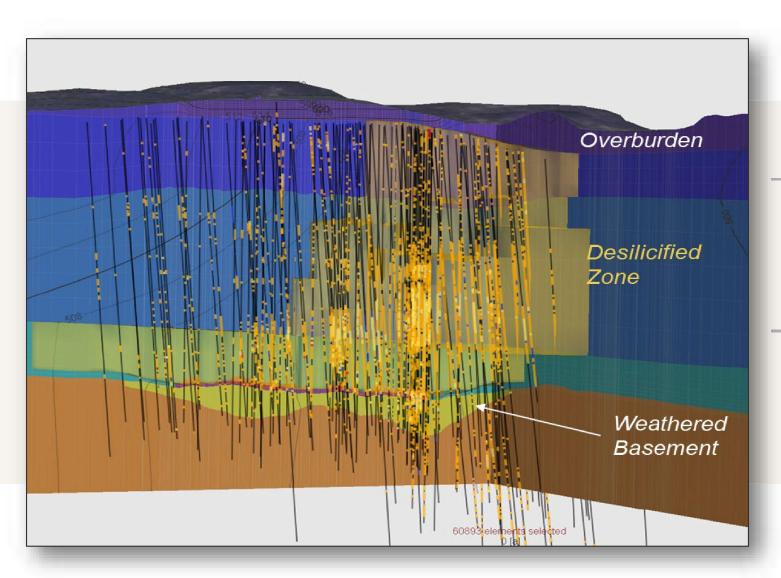
Processing

Transformation into **product** for next stage of nuclear fuel processing

The Wheeler River Project

Extensive geological characterization of the deposit





2008 to 2018

Closely

spaced drill holes

ISR-specific

geological, field and lab data collected

Achieved **high confidence** standards from third party resource and reserve estimation



2022 / 2023 Fully Permitted In-Situ Recovery Feasibility Field Test (FFT): Successful field validation of ISR mining method criteria



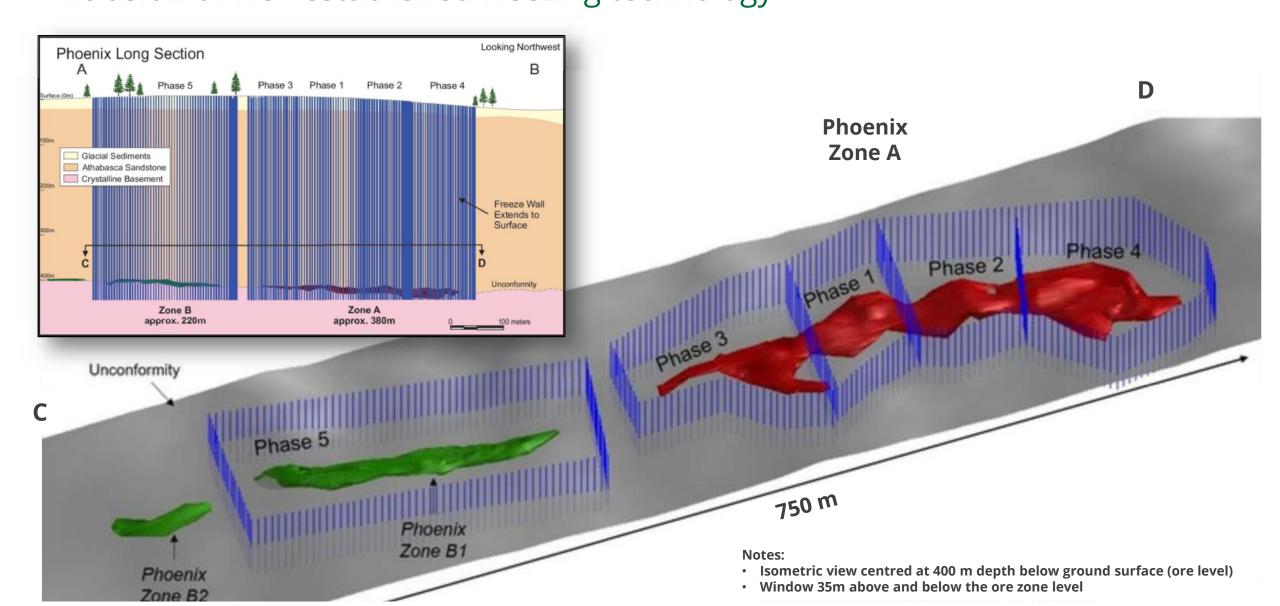






Wheeler River Project Design Feature: Inclusion of well-established freezing technology







Indigenous & Community Engagement Rooted in history & values











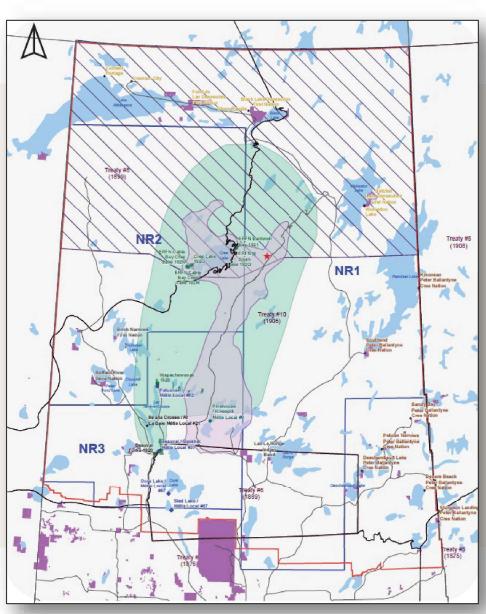




Indigenous Engagement

Program implementation spanning almost 10 years





Basis

developed from Denison's **decades-long** presence as operator of the Wheeler River Property.

Complemented

with **progressive** actions related to Indigenous rights in Canada.

Guided

by the direction of CNSC and Federal Government, plus **experience** with other operations in the area.

Adapted

as **new information** is obtained.

Ongoing into the future

Indigenous Engagement

2016 to present – engagement highlights over the years













Engagement on

Project design

options/modification

consideration

Engagement information and data woven throughout the entire EIS

Indigenous nation authored sources of Indigenous knowledge included in the EA

Support and consent provided by
2 Indigenous nations
and 5 communities

Community Engagement Program



Founded in partnerships and long-term legacy creation













Powering PEOPLE, PARTNERSHIPS AND PASSION.



The Environmental Assessment Regional landscape of the Wheeler River Project



Unimpacted watercourse, upstream of proposed Project



Krätchkowsky
Lake

Whilefish
(Lake)

4

Proposed water release location into Whitefish lake

Unimpacted lake, upstream of proposed Project



5

Wheeler River Project location





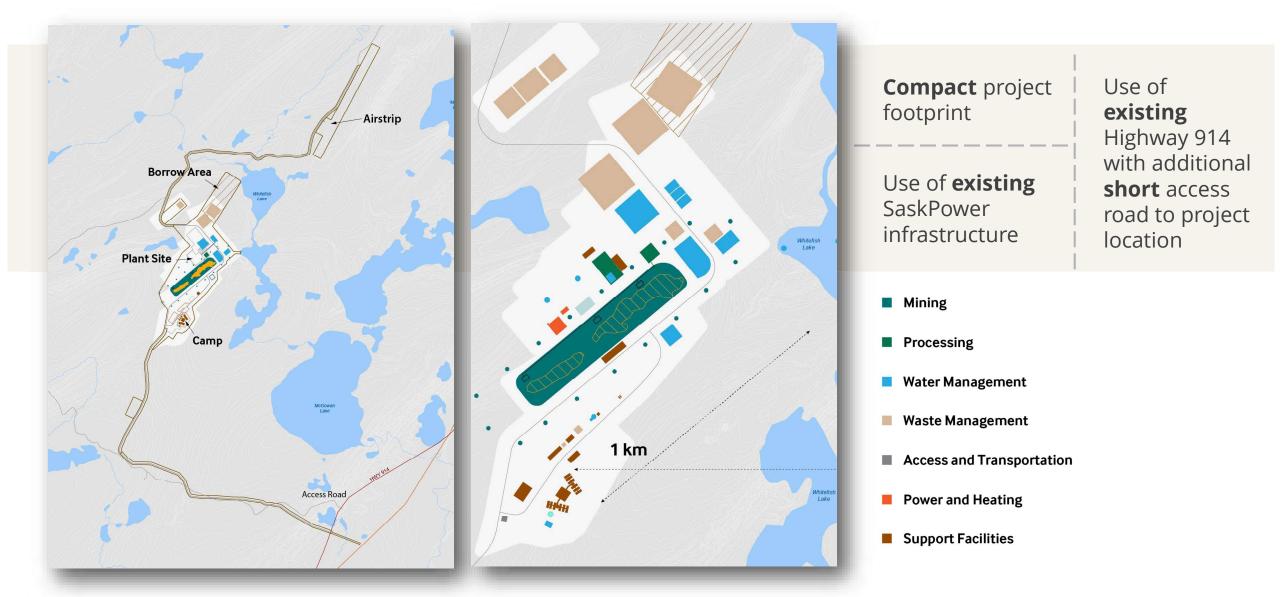




Existing temporary access road to Project

Project site overview





Fulsome assessment of changes to biophysical & human environments

The Wheeler River Project can be constructed, operated and decommissioned while remaining protective of the human and biophysical environment.



Comprehensive EIS review process





Draft EIS submitted November 2022

Over 400

regulatory comments received across several Provincial & Federal departments

Responses

provided by Denison to all 400+ regulatory comments

Over 580

public comments received from Indigenous nations & communities

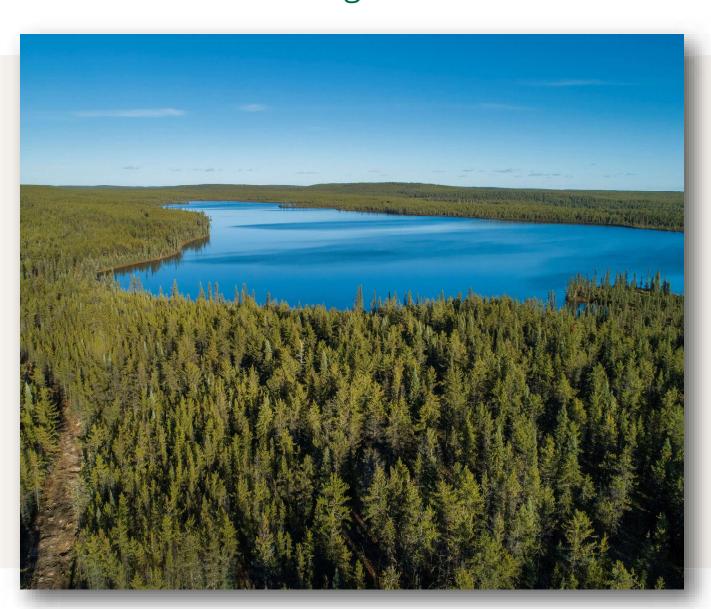
Responses

provided by Denison to all public comments from Indigenous nations & communities

Final EIS accepted December 2024

The Environmental Assessment Focused on Protecting Groundwater





No Interaction

between the surrounding groundwater and the mining zone solutions inside the freeze wall during operations

Remediation Criteria

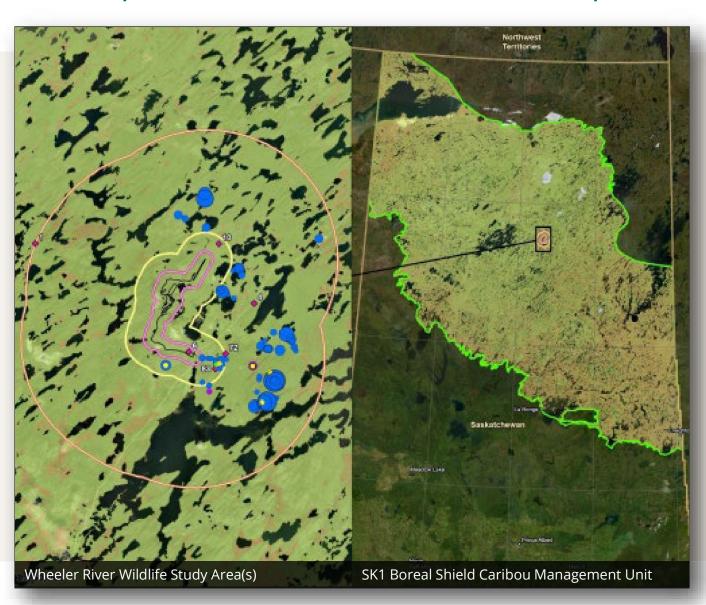
was defined as being technically achievable through testing

Future Centuries Model

confirmed the remediation criteria to be effective in protecting the natural receiving environment

An emphasis on habitat for sensitive species





Small Footprint

Project footprint is relatively small at **170ha**

Species at Risk

No significant adverse effects

Mitigation

Preconstruction surveys and species at risk monitoring for all project phases

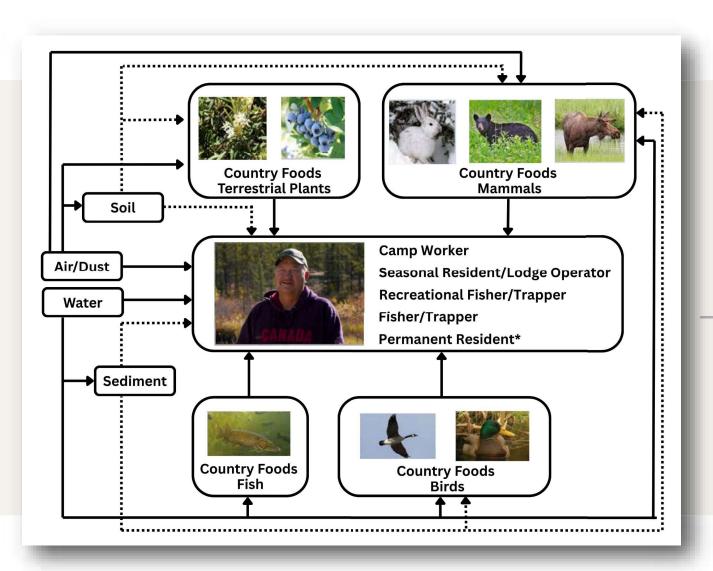
Woodland Caribou

Project takes up

0.001% of
the Boreal Shield
Caribou
Management Unit
(SK1)

A comprehensive environmental risk assessment





Established

modelling method, which considers Project emissions in relation to wildlife and human use

Informed

by **extensive knowledge** from
land users in the
immediate Project
area

Augmented

with **ERFN specific** traditional food study findings

Residual

Project effects on human health are **not significant**

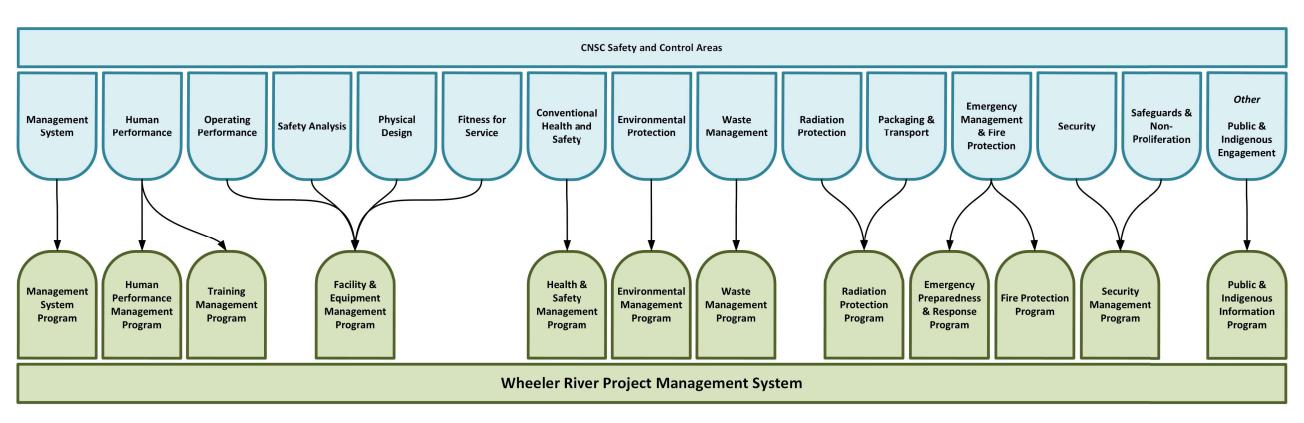






Wheeler River Project Management System Development of modern systems to meet CNSC requirements





Human Performance

Establishing a culture of care & competence





Communicate

policies and priorities

Adherence

to a Systematic Approach to Training (SAT)

Support

workers through **training**, planning, and standards of performance

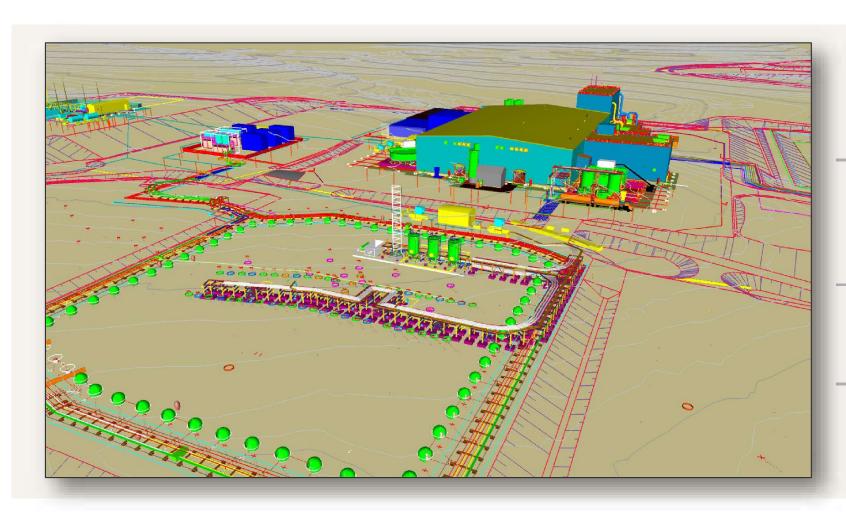
Promote

organizational learning

Physical Design & Safety Analysis







Designed

for safety, maintenance and operations

Engineering

design **standards** and control plans followed

Human factors

incorporated into **engineering**

Project Risk Registry established

Operating Performance



Aligning contractors & suppliers with project performance expectations



Construction

planning and scheduling ensures work progresses in a **controlled** manner

Commissioning

activities follow quality control, inspection, and test plans

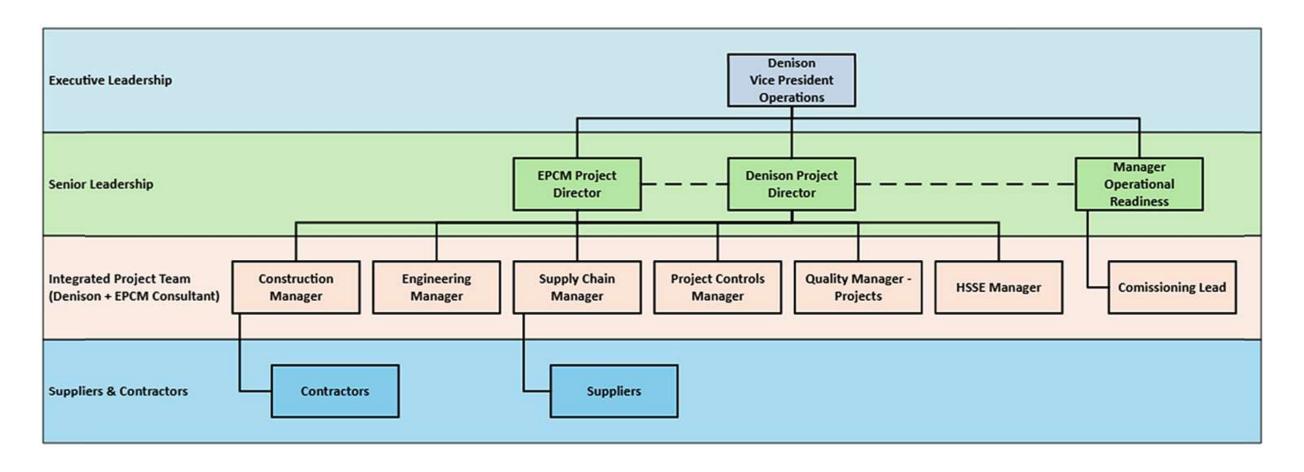
Management

of change requires design review and **approval**

Operating Performance



Effective organizational structure to execute & manage licensed activities



Waste Management

Characterization, minimization & proper practices





Establish

waste management characterization and **control** measures

Proper

deposition of wastes in **appropriately** designed facilities

Transportation

of waste materials offsite, where appropriate and approved

Conventional Health & Safety

Managing hazards & protecting workers





Establishing a strong health and safety **culture**

Empowering workers to be health and safety promoters

Management of workplace safety hazards

Reporting and investigating to learn from safety-related events

Safety by design

Radiation Protection

Monitoring, controlling & maintaining ALARA





Development

of a Radiation Code of Practice

Maintaining

controls on radiation exposure and contamination potential

Monitoring

worker doses

Environmental Protection



Comprehensive program that considers the past, present & future





Adhering

to Environmental Management Program, which ensures monitoring and evaluation of environmental **parameters**

Meeting

regulatory **expectations** through training and awareness

Engaging

through audits and inspections

Reporting

and investigating to learn from operational incidents

Emergency management & fire protectionDesigned to prepare & respond effectively





Preserving

the safety of the emergency response team

Protecting

human life

Protecting

the environment

Protecting

property



Decommissioning & Financial guaranteeFully costed & in place for licensed activities





Preliminary Decommissioning Plan

developed to reflect this stage of licensing

Scope

based on project components, including both subsurface and surface infrastructure

Planning

considers active decommissioning for ~5 years and post decommissioning monitoring ~10 to 15 years

Required Financial Assurance

issued to the Province of Saskatchewan within 60 days of positive licence decision



Powering PEOPLE, PARTNERSHIPS AND PASSION.

