



Northern Contaminated Sites Program – NAMRP Overview

Orphaned and Abandoned Mines
Workshop
October 2024



Northern Abandoned Mine Reclamation Program

- The Northern Abandoned Mine Reclamation Program was launched on April 1, 2020.
- 15-year, **\$9.1 billion** program is administered by Crown-Indigenous Relations and Northern Affairs Canada's (CIRNAC) Northern Contaminated Sites Program.
- The Program is responsible exclusively for the remediation of the **eight largest and highest-risk abandoned mine projects** in Yukon and the Northwest Territories, previously funded through the Federal Contaminated Sites Action Plan.
- The program allows for *longer-term tenders, greater certainty for impacted communities and increased economic opportunities* for Indigenous Peoples and Northerners.

YUKON	NORTHWEST TERRITORIES
<ul style="list-style-type: none"> • Faro Mine Remediation Project • United Keno Hill Mine Remediation Project • Mount Nansen Mine Remediation Project • Ketza River Mine Remediation Project • Clinton Creek Mine Remediation Project 	<ul style="list-style-type: none"> • Giant Mine Remediation Project • Cantung Mine Remediation Project • Great Bear Lake Remediation Project

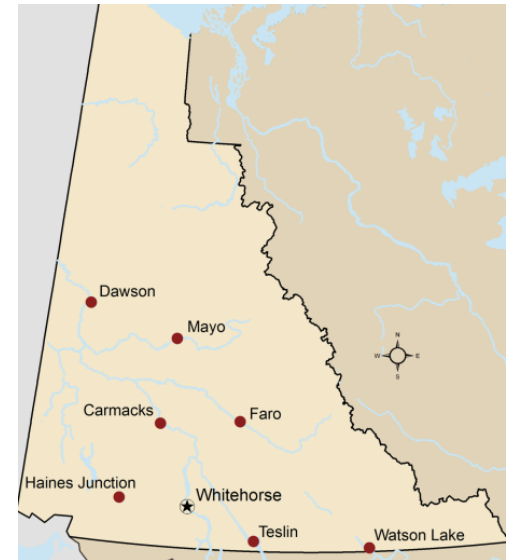
Giant Mine Remediation Project

- Former gold mine within the City of Yellowknife with significant regional public and media interest (high-profile site).
- Remediation will require long-term containment of highly toxic arsenic trioxide waste, removal of mine buildings, and remediation of surface areas including tailings ponds.
- Daily operation of the site in the care of a Main Construction Manager (Parsons Inc).
- **2021-2024 Milestones:**
 - Commence construction of early remediation works.
 - Completed substantive designs and cost estimates, and updated site-wide management and monitoring plans.
 - Water Treatment Plant Construction contract awarded.
 - Completed the decontamination and deconstruction of the former Town site.
 - South Pond Tailing dewatering pilot study completed.
 - Completed the non-hazardous waste landfill and AR1 freeze pad.
 - With the Treasury Board's approval, the project moved into full remediation in November 2022.
 - Started construction for the new Water Treatment Plant.
- **2024-2025 Objectives:**
 - Receive the *Fisheries Act* Authorization.
 - Begin construction of the foundation and shell of the new Water Treatment Plant.
 - Award Core Industrial Area decontamination and deconstruction contract.
 - Finish underground Paste Backfill project signaling complete stabilization of the underground.



Faro Mine Remediation Project

- Once the largest open-pit lead-zinc mine in the world, now one of the costliest contaminated sites in Canada.
- Risks posed by acid-generating waste rock, tailings, and contaminated water.
- **2021-2024 Milestones:**
 - Completed the procurement of a main construction manager and care & maintenance contractor.
 - Established new contracts and transitioned the project to a joint project delivery model with PSPC.
 - Designed work for the permanent water plant tender.
- **2024-2025 Objectives:**
 - Advance regulatory approvals with an objective of completing the Yukon Environment and Socio-economic Assessment review process.
 - Advance the permanent water treatment plant through tender, design, and into construction.
 - Efficiently operate the 3 existing water treatment plants to maximize treated water volumes and design and implement mitigative measures to effectively manage pit levels in advance of permanent water treatment plant completion.



Project Status

12 Year Planning			2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
YUKON	Clinton Creek	Step 7	Project Planning										Remediation	
	Faro Mine	Step 7	Project Planning					Remediation						
	Ketza River	Step 7	Project Planning					Remediation						
	Mount Nansen	Step 7	Project Planning				Remediation				Adaptive Management			
	United Keno Hill	Step 7	Remediation					Adaptive Management						
NWT	Cantung Mine	Step 7	Project Planning						Remediation		Adaptive Management			
	Giant Mine	Step 8	Remediation											
	Great Bear Lake	Step 7	Project Planning				Remediation							

Legend				
Stage 1 (Assessment)	Step 1	Step 2	Step 3	Step 4
Stage 2 (Project Planning)		Step 5	Step 6	Step 7
Stage 3 (Implementation)			Step 8	Step 9
Stage 4 (Post Remediation & Close-out)				Step 10