

Summarizing existing site conditions

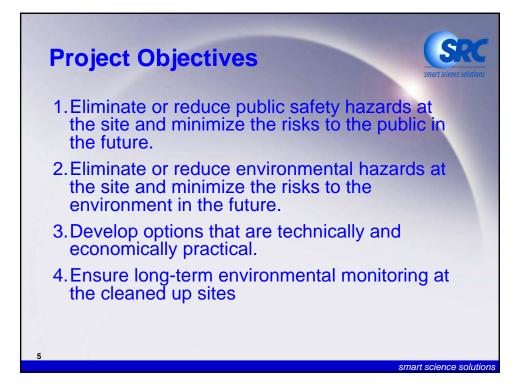
Sources of Contaminants and Physical Hazards

- 1. Town site, mill site, head frame
- 2. Waste rock
- 3. Tailings
- 4. Flooded pit

Important Exposure Routes

- 1. Physical hazards
- Human exposure to gamma radiation while near waste rock or tailings
- Runoff of contaminants into Lake Athabasca.
- 4. Contaminants in food chains





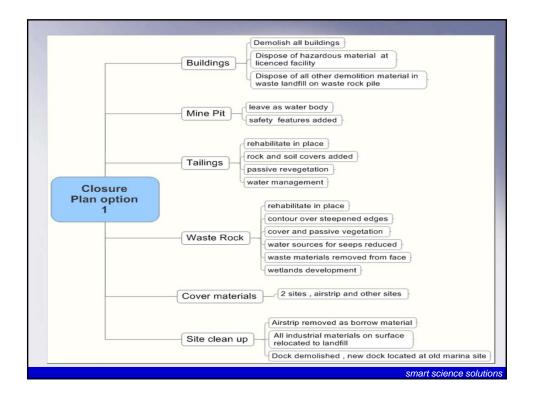


Common features (regardless of option)

- Demolish all the buildings and structures
- Clean up the demolition waste
- Barge hazardous substances off site
- Build a waste facility for ACM/RCM
- Redirect surface water flows
- Use airstrip as borrow material
- Submerged tailings are left in place
- Long-term monitoring program







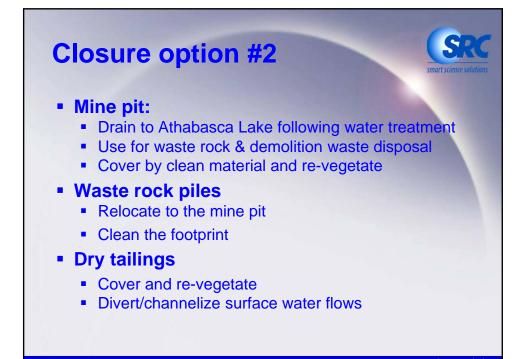
Closure option #1: pro & con

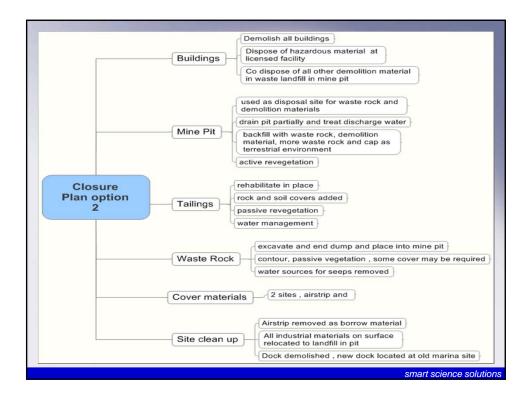
Pro:

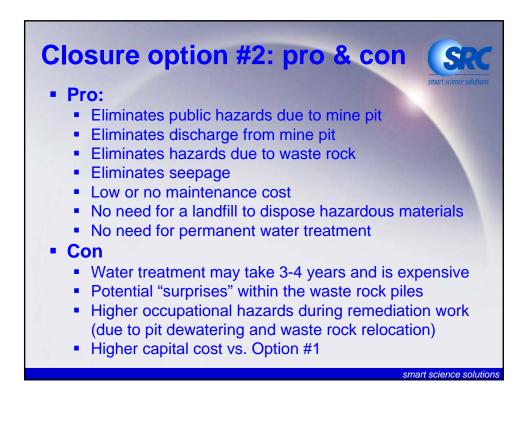
- Minimum disturbance of the existing ecosystems
- Minimum occupational hazards
- No need for active water treatment
- Lower occupational hazards
- Reasonable capital cost

Con:

- Remaining public hazards from the pit
- Residual discharge from the mine pit
- Residual seepage from the waste rock
- Will need permanent water treatment
- High operation and maintenance cost for uncertain period of time

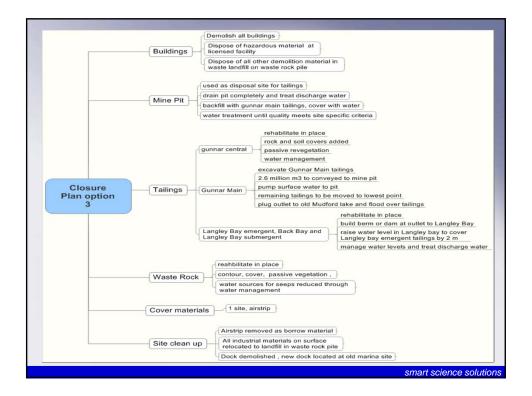






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smart science solution



Closure option #3: pro & con

Pro:

- Eliminates public hazards due to the mine pit,
- Eliminates discharge from the mine pit
- Eliminates environmental hazards from Gunnar main tailings

Con

- Footprint of Gunnar Main is to be covered and revegetated
- Remaining tailings are to be covered and revegetated
- Will need perpetual water treatment for residual seep from the waste rock
- Will need a landfill to dispose demolition hazardous wastes
- Higher occupational hazards during remediation work (due to pit dewatering, and tailing excavation and relocation)
- Pit water treatment is expensive and may take 3-4 years
- The highest capital and operational (maintenance) cost

Your feedback

- Do you have the "cleanup options" flyer in your hands?
- It briefs you on the options and includes a Feedback Form.
- Please, choose and tick <u>one</u> option and add your comments.
- Feel free to suggest your own solutions for any option
- You may return the Form to usat the end of this meeting, or
- You may take time to think about the options, and then:
 - → Fax the *Feedback Form* to SRC, or
 - → Mail it to SRC in the supplied envelope.

THANK YOU SO MUCH FOR YOUR CONTRIBUTION!

