

## Stony Rapids – January 31, 2017

### Attendees

- Saskatchewan Research Council (SRC): Mark Calette, Skye Ketilson, Ian Wilson, Chris Reid, David Sanscartier
- Fond du Lac Nuna Joint Venture (FDLNJV): Don Deranger, Gary Sodhi
- Saskatchewan Ministry of the Economy: George Bihun
- Translator: Emily Jones

### Agenda

1. FDLNJV – Gunnar Tailings Remediation
  - What is FDLNJV
  - Project scope
  - Equipment opportunities
  - Labour
  - Upcoming tours
2. Engagement activities for 2016
  - Revegetation workshops
  - Student Environmental Monitoring Program
  - What does successful capacity building look like?
3. Gunnar Tailings Overview
4. Gunnar Other Site Aspects Overview
5. Lorado Mill Remediation Overview
6. Satellite Sites Update

### Discussion:

Q. Where do you get the material to cover the pit?

A. This will be covered in Skye's presentation.

Q. Will water come to the top of the tailings when the cover is placed?

A. No, we will be very careful and direct water to Langley Bay.

Q. What will be done at the former site?

A. The goal is to bring the site to a safe state without undue environmental damage.

Q. Will there be qualified operators?

A. Initially yes, but there will be a trainer onsite.

Q. Did Nuna do training in the past?

A. Yes.

Q. Will there be a Canadian Nuclear Safety Commission (CNSC) inspection?

A. Yes, both provincially and federally.



Q. When does the project start?

A. It has started and will take about four years for the tailings.

Q. Does the community help with hiring?

A. Yes.

Q. Was there an evaluation of the tailings distribution by wind?

A. Yes, during the environmental impact statement (EIS) with both physical and modelling.

Q. How long is monitoring?

A. There will be post-remediation monitoring and continued monitoring under the Institutional Control Program.

Q. Will there be air monitoring?

A. Yes, both during remediation and site remediation operations.

Q. Will the open pit have an impact on Lake Athabasca?

A. From 1962 to present, a damn was built and water flowed from the pit to the lake; this will be reduced during other site aspects remediation.

Q. How big are the steel caps?

A. It is dependent on how large the hole is.

Q. Will you close all the openings at the Satellite Sites?

A. Yes, we would either cap or backfill the openings.

Q. Did the underground workings go under the lake?

A. Yes, they started down under the lake.

Q. Will there be site inspections from CNSC?

A. Yes, at any time.

Q. Is there a camp onsite?

A. Yes.

Q. Is there double bunking at the onsite accommodations?

A. We are looking into that currently.

Q. How did you seed Lorado?

A. Using a pull behind agricultural implement.

Q. When closing the old roads, do you consult with trappers?

A. Yes.

### General Comments

- Should there be a First Nations ceremony at Gunnar and if so, what should it look like? Is it a good idea? Input from Stony Rapids?



- What you take, you have to give back – there is local water near Stony Rapids that could be used as an offering for a possible ceremony.

## Black Lake – January 31, 2017

### Attendees

- Saskatchewan Research Council (SRC): Mark Calette, Chris Reid, Ian Wilson, Skye Ketilson
- Fond du Lac Nuna Joint Venture (FDLNJV): Don Deranger, Gary Sodhi
- Simon Robillard
- Translator: Emily Jones and Ted Robillard

### Agenda

1. Opening Remarks
2. FDLNVJ Gunnar Tailings
3. Community Engagement Update
4. Gunnar Tailings Update
5. Gunnar Other Site Aspects Update
6. Lorado Remediation Project Overview
7. Satellite Sites Overview

### Discussion

Q. How long to complete the Gunnar Tailings project?

A. Four years.

Q. Is the Lorado mine cleaned up?

A. Yes, it is currently under assessment with monitoring ongoing for the next 2-3 years.

Q. What about the Nisto Mine cleanup?

A. SRC does not manage this property. Please contact the federal government representative that looks after this property. SRC can pass on the contact for that site if you would like.

Q. What are the Other Aspects?

A. All non-tailings cleanup activities at the Gunnar Site. This part of the project is anticipated to start a year after the tailings work begins, with a total cleanup scheduled for four to six years.

Q. What will be the timeline for the Gunnar Tailings?

A. Approximately four years.

Q. What will be done with the waste rock pile?

A. We will explain the plan of action.

Q. Is there waste rock in the pit?

A. No.

Q. Are the stainless-steel caps used to cover the tailings for Gunnar Other Site Aspects?

A. No, they are used to cover the small openings to the underground.

Q. Was there a requirement for a driver's license to work on site?

A. Yes, Nuna conducted a driver's license training program, which included people outside the project.

Q. Is there a driver's license requirement for the Gunnar project?

A. No, the roads at Gunnar are private and no license will be required.

Q. Will there be radiation monitors for all workers?

A. Yes.

Q. How much soil was on top of the spear point [that was found at a satellite site]?

A. It was covered with core samples and a shallow layer of soil.

Q. Who says the spear point has to go to the museum?

A. It is up to the Heritage Branch to determine the final ownership (not SRC).

### General Comments

- Aboriginal ceremony to keep the region clean – community wants to follow through with this idea
- When you take something from the ground, you have to put something back.
  - For the past 60 years, the environment is changing. We have to reconnect, conduct a ceremony. Do we start at the start of the Gunnar Remediation or wait until it is complete? What is the right way to go about this?
- In the past safety at mines have not been the first concern. A lot of people are scared of the cleanup, be cautious.
  - SRC and its contractors have safety as its number one concern. SRC has made detailed plans, but it is good to mention safety.



## Hatchet Lake – February 1, 2017

### Attendees

- Saskatchewan Research Council (SRC): Chris Reid, Mark Calette, Skye Ketilson, David Sanscartier
- Fond du Lac Nuna Joint Venture (FDLNV): Gary Sodhi, Don Deranger
- Translator: Emily Jones

### Agenda

1. Opening Prayer – George Tsannie
2. Gunnar Tailings Remediation
3. Engagement Overview for 2016
4. Gunnar Pit Update
5. Gunnar Other Site Aspects Update

### Discussion

Q. Can you drink the water at the Gunnar Site?

A. No.

Q. Is Gunnar an active mine?

A. No, it was closed in 1964.

Q. Is there radiation onsite?

A. Yes, but it will be monitored and controlled.

Q. Will the March tours be to site?

A. No, just in the communities.

Q. Where is there more information about jobs?

A. Facebook or contact Nuna directly.

### General Comments

- Other community members from Hatchet Lake who worked at Gunnar during fall 2016 enjoyed their trial there and want to go back.
- There are a lot of people in Hatchet Lake who are trained and could be at Gunnar

## Fond du Lac – February 2, 2017

### Attendees

- Saskatchewan Research Council (SRC): Mark Calette, Skye Ketilson, Ian Wilson, Chris Reid, David Sanscartier
- Fond du Lac Nuna Joint Venture (FDLNJV): Gary Sodhi, Don Deranger
- Ministry of the Economy: George Bihun
- Translator: Emily Jones
- Community: Elder Louie Mercredi, Chief Rudy Adam

### Agenda

1. Gunnar Tailings Remediation Project
2. Engagement 2016 Update
3. Gunnar Tailings
4. Gunnar Other Site Aspects
5. Lorado Mill site overview

### Discussion

Q. Comparing Lorado to Key Lake, why is there a difference for the same job?

A. Lorado is a Legacy mill site versus Key Lake is an active, modern mine and mill site.

Q. Should not the equipment rates be higher the further north the work is?

A. The Saskatchewan heavy-duty rate guide can answer that question for you.

Q. Are there going to be opportunities for jobs and equipment this time?

A. Yes, that is a possibility.

Q. As an Alberta based company, they have “Red-Seal” programs – could this be applied to Gunnar?

A. We have done this in the past and will look at it for Gunnar.

Q. Does Nuna’s management team have to target where they are working? Are they taking cultural sensitivity training?

A. Nuna has worked in many different communities and they will have cultural sensitivity training at the Gunnar Project.

Q. What is the mandate for the project around money spent in the Athabasca Basin?

A. Ongoing objectives throughout the project are to maximize labour, equipment and capacity.

Q. Why are heavy duty equipment rates low compared to Lorado?

A. Rates from Lorado to Gunnar are not different.

Q. The equipment rental agreement has no room for flexibility; money was supposed to stay in the communities; need to renegotiate equipment rentals?

A. The objective is to help build capacity – with regards to rates, they are industry standard. We can discuss this after the meeting.



Q. Regarding the industry standard, other contractors at Key Lake are getting much more?

A. We will look into that and get back to you.

Q. How do we use equipment purchased on future phases of the project?

A. We can go over the contract after the community meeting.

Q. Will you meet with all of the contractors?

A. Yes, the meeting is scheduled for 7 p.m. tonight.

Q. What is the difference between Cluff Lake and the Gunnar Pit with regards to the design used in filling it with waste rock?

A. We can only discuss Gunnar.

Q. Are both projects (Gunnar and Lorado) going to be covering the tailings and Gunnar Other Aspects?

A. Yes.

#### General Comments

- The object of the Gunnar project is to reduce health risk and harm to the environment.
- Please explain equipment rates better to local contractors



## Uranium City – February 3, 2017

### Attendees

- Saskatchewan Research Council (SRC): Mark Calette, Skye Ketilson, Chris Reid, David Sanscartier
- Fond du Lac Nuna Joint Venture (FDLNJV): Don Deranger, Gary Sodhi, Dave LeRiche (Nuna superintendent)
- Ministry of the Economy: George Bihun
- Translator: Emily Jones

### Agenda

1. Opening Remarks
2. FDLNVJ Gunnar Tailings Remediation
3. Engagement 2016
4. Lorado Remediation Project Overview
5. Gunnar Site Update and Tailings Overview
6. Gunnar Other Site Aspects
7. Satellite Sites 2016 Update
8. Ceremony for Gunnar

### Discussion

Q. Are the trees at Gunnar being cut?

A. Yes, similar to Lorado.

Q. Do previous employees get first shot at positions?

A. It could be a possibility.

Q. In Langley Bay, is there a channel for seasonal water fluctuations?

A. Yes, there is a channel between Langley Bay and Back Bay.

Q. In regards to the Student Environmental Monitoring Program, is there someone from Stony Rapids and Uranium City planned? Do not forget about the Métis community up here.

A. Yes, in 2016 SRC piloted the program and plans on looking for additional inclusion. We will discuss this and will look to PAGC to include other communities.

Q. Is there a training budget for Gunnar?

A. Yes, both through SRC and FDLNVJ.

Q. Will there be trees at Lorado?

A. Right now we just seeded, but it should eventually have trees over time.

Q. There are some problems in the spring with road erosion (the road elevation of the road needs to be higher).

A. Yes, we are monitoring and will react once there is better access.

Q. Was fertilization added during replanting?

A. No, SRC does not fertilize based on results from field trial.

Q. Does the bunkhouse borrow need reseeding?

A. SRC left it as is, which is similar to a natural fire event.

Q. Are the seeds the same species as what is found naturally?

A. Yes.

Q. At Wiseman's Hill, there is erosion on the road.

A. Thanks, we will look into that.

Q. Will the airstrip disappear at Gunnar?

A. No, we are planning to keep it.

(SRC Edit: This answer is incorrect. SRC will use the coarse borrow material in the airstrip if required for the Gunnar Remediation Project.)

Q. How far away from the water are the waste rock piles?

A. The footprint will remain the same.

Q. Is there going to be a liner in the landfill?

A. No, it will be bedrock that will be made impermeable (similar function to a liner).

Q. For Gunnar Other Site Aspects hiring, will there be some required local metrics?

A. Yes, similar to Lorado and Gunnar tailings.

Q. Was the head frame still present at St. Michael Mine when SRC got involved?

A. No.

Q. Are the six completed sites going back to provincial ownership?

A. Yes.

#### General Comments

- Everybody should take the training opportunities.
- Gunnar Pit should be left as is with fence around it and maybe treat it similar to Nero Lake.
- Pumping out the pit will never happen successfully.
- There are funding agencies and SRC can share that information. The project itself can possibly be used as a starting point.