

Appendix H

**Public Engagement Program
Communication Materials, May 2020**

**Virtual Public Meeting Newspaper
Advertisement**

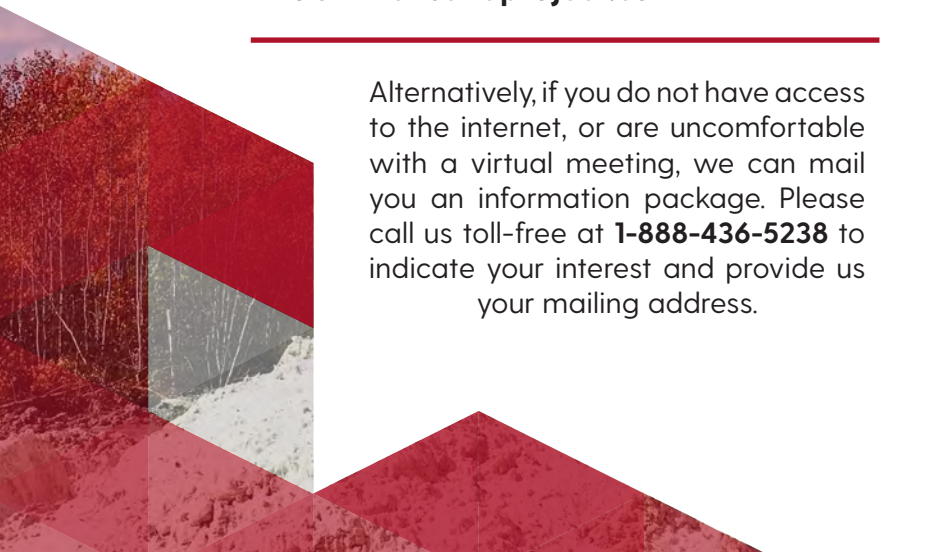
Vivian Sand Processing Facility Project

CanWhite Sands is planning to build a Sand Processing Facility Project outside of Vivian, Manitoba. Engaging with the community is vital to this process so we are offering several opportunities for residents to connect with members of our team and provide input. You can learn more about the project at:

www.viviansandproject.com
(launching May 18th, 2020)

On May 26th, 2020 at 7:00pm, we will be hosting a **Virtual Open House** to present information about the Sand Processing Facility Project. This is also an invitation to submit your questions. To receive the link to participate, please send an email to:

info@viviansandproject.com



Alternatively, if you do not have access to the internet, or are uncomfortable with a virtual meeting, we can mail you an information package. Please call us toll-free at **1-888-436-5238** to indicate your interest and provide us your mailing address.

Vivian Sand Processing Facility Project

CanWhite Sands is planning to build a Sand Processing Facility Project outside of Vivian, Manitoba. Engaging with the community is vital to this process so we are offering several opportunities for residents to connect with members of our team and provide input.


You can learn more about the project at:

www.viviansandproject.com

(launching May 18th, 2020)

On May 26th, 2020 at 7:00pm, we will be hosting a **Virtual Open House** to present information about the Sand Processing Facility Project. This is also an invitation to submit your questions. To receive the link to participate, please send an email to:

info@viviansandproject.com



Alternatively, if you do not have access to the internet, or are uncomfortable with a virtual meeting, we can mail you an information package. Please call us toll-free at **1-888-436-5238** to indicate your interest and provide us your mailing address.

Newspaper Advertisement Clipping

JAMES MINSKY
TRUCKING

**Swimming Pool &
Basement Excavations**

**Ditching, Leveling
Concrete Breaking**

Snow Clearing

Water Hook-ups


**Septic Field & Holding
Tank Installations**




**Supply & Delivery of
Soil, Stone, Woodchips**



204-771-8189
204-799-3784

jmmskyjctrucking@gmail.com



Anna Damert

REALTOR®

*I am happy to Serve You in English,
German, Low German or Russian*

Sutton Group-Kilkenny Real Estate
981 McLeod Ave. WILHELM STRASSE
663 Stafford Street
Winnipeg, MB R3M 2X7

204-266-2277
damert@mymts.net
www.sutton.com

The Key to all YOUR Real Estate Needs!

RIDE LIKE THE WIND
Anola, MB
Riding Lessons
Horse Boarding
204-795-6084 • artemus3@mts.net
As per regulations, Physical Distancing and Sanitization protocols will be adhered to. Individual lessons are held outside. Please bring your own helmet, gloves (and OPTIONAL-mask).

Norman Hiebert
RE/MAX
 Executives Realty
 1-800-387-3337
 204-268-2698
 204-268-5050

- Free evaluations
- No obligation

NEEDED!

Qualified First Time Buyer:
 Wants home in Wolson/
 Seddons Corner area
 up to \$260,000.

I have Prequalified & Cash Buyers looking for:
 Hobby farm with
 10-60 acres in Beausejour/
 Tyndall/Garson/Anole.

I have Prequalified & Cash Buyers looking for:
 Country Home close to
 Beausejour, Tyndall or
 Garson. \$200-\$250,000.

[illegible]



Vivian Sand Processing Facility Project

CanWhite Sands is planning to build a Sand Processing Facility Project outside of Vivian, Manitoba. Engaging with the community is vital to this process so we are offering several opportunities for residents to connect with members of our team and provide input. You can learn more about the project at:

www.viviansandproject.com
(launching May 18th, 2020)

On May 26th, 2020 at 7:00pm, we will be hosting a **Virtual Open House** to present information about the Sand Processing Facility Project. This is also an invitation to submit your questions. To receive the link to participate, please send an email to:

info@viviansandproject.com

Alternatively, if you do not have access to the internet, or are uncomfortable with a virtual meeting, we can mail you an information package. Please call us toll-free at **1-888-436-5238** to indicate your interest and provide us your mailing address.





CO-OP
Beausejour

**APPLY TO BE THE
2020 FUEL GOOD DAY
RECIPIENT**

**IN 2019, WE DONATED OVER
\$5,800.00
TO 2 LOCAL ORGANIZATIONS**

**FUEL
GOOD
DAY**

HOW TO APPLY
For more information and to apply, go to
www.beausejourco-op.crs
Deadline to apply: **May 29, 2020**

CanWhite Facility Project Website



[Background](#) [How can I learn more?](#) [Why this location?](#) [What is Silica Sand used for?](#) [What is a Silica Sand Facility?](#) [Environmental Protection](#) [Project Timeline](#) [Get in Touch](#)



Background

CanWhite Sands Corp. (CanWhite) is planning to build a sand facility in the Rural Municipality (RM) of Springfield, located outside of Vivian, Manitoba. The Vivian Sand Facility Project includes the construction, commissioning and operation of a facility.

CanWhite, parent company of HD Minerals, is a private company based in Calgary, Alberta with operations out of Winnipeg, Manitoba. CanWhite aims to be the lowest cost supplier of high purity silica sand using environmentally sustainable methods while providing benefits to the local community. CanWhite proposes to develop this Manitoba-based Project using local resources and services to deliver the sand product by rail to markets in Canada, the United States and internationally.

CanWhite will file two Environmental Act Licence applications for the project; the Sand Facility Project and the Sand Extraction Project. The Sand Facility Project is the first application and the focus of the information presented. The Sand Extraction Project is the second application with information coming summer 2020.

How can I learn more?

Engaging with the community is vital to this process. We are offering several opportunities for residents to connect with members of our team and provide input. This website contains all the most up to date information about the project. We welcome you to provide comments or questions at the bottom of this page using our Get in Touch form, or please send an email to info@viviansandproject.com or call us at **1-888-436-5238**.



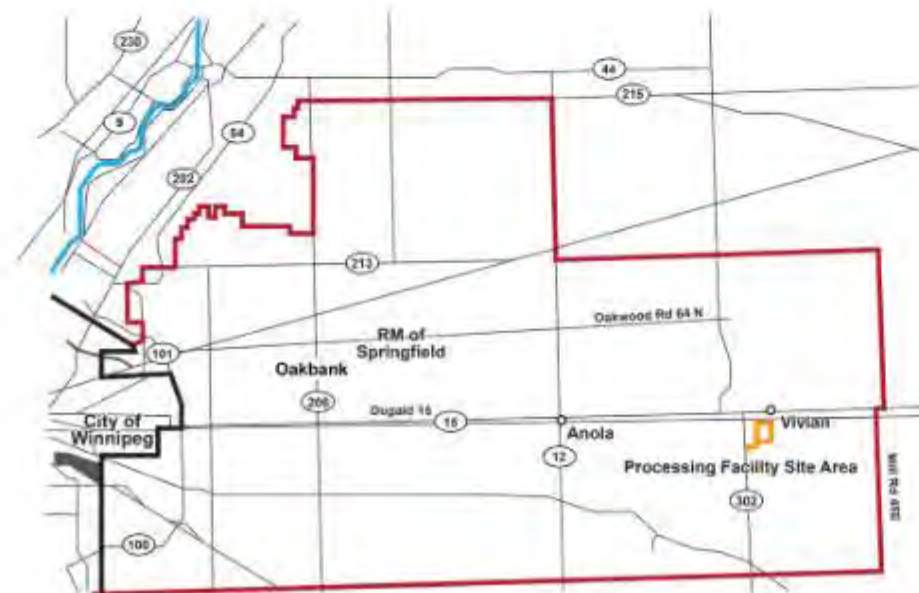
[Back To Top](#)



Why This Location?

The proposed Vivian Sand Facility Project is within the RM of Springfield, south of Vivian, Manitoba on land designated for aggregate and industrial activities. The location was selected as it is adjacent to, and can make use of, the existing CN rail infrastructure. The facility will receive trains weekly to transport the sand product to market. Therefore, no sand haul trucks will be needed.

Additionally, the RM of Springfield is home to many skilled and experienced workers who will help supply the workforce needed for the planned Project. During construction, the Project is expected to directly employ 20-30 people, and indirectly employ up to 50-60 people through local suppliers and other businesses. Once construction is complete, the facility will employ 40-50 people year-round.



[Back To Top](#)



What is Silica Sand used for?

Silica sand is quartz that is naturally found broken down into tiny granules. This high-quality silica sand product is used in a variety of markets such as the renewable energy industry (e.g., solar panel production), electronics (e.g., cellphones, computer chips), oil and gas operations, telecommunications (e.g., fibre optics), sports field applications (e.g., golf courses) and the glass and ceramics production industry.



Electronics



Cell Phone Screens



Recreational



Solar Panels



Fibre Optics



Specialty/Medical Glass



Rechargeable Batteries



Float Glass



Water Filtration



Green Energy Storage



Energy



Industry





What is a Silica Sand Facility?

A Silica Sand Facility consists of a Wet Plant, a Dry Plant and a Rail Load Out. These components wash, dry and transport the final sand product by rail to market. A conceptual view of the proposed facility is shown below. It will be a maximum height of 24 meters tall. The four dry sand silos will be the tallest structures standing at a height of 42 meters. The facility will be surrounded by trees that currently grow on the property.



[Back To Top](#)





Environmental Protection

CanWhite intends to design an operation that is environmentally responsible and is in-line with our corporate sustainability policies, which meet or exceed industry and global standards.

Preliminary environmental studies suggest that the Vivian location can sustain operations that will meet applicable environmental regulations and policies, as well as CanWhite's strict environmental standards for operating. Through vegetation, wetland and wildlife studies, we determined that the site is not home to fish habitat, rare vegetation or uncommon wildlife habitat. We are also nearing completion on further comprehensive environmental investigations, such as noise, heritage resources, hydrogeology and air quality assessment studies, that will be incorporated in the Project's environmentally responsible design.

The Project location is on private land that is mostly forested but does have some recent land uses including mineral exploration, aggregate quarrying and tree cutting. Approximately 16.5 hectares (ha) of naturally vegetated area is expected to be cleared to construct the facility and associated infrastructure. The area to be cleared is approximately 16 times smaller than a section of farmland which is 260 ha.

We understand that the community and stakeholders may have questions and want to know what to expect, here are some of the topics we've heard about so far:



Will this project affect my air quality?



Will this project generate noise?



Will this project affect my water?



Will local traffic be affected?



[Back To Top](#)





Environmental Protection



CanWhite intends to design an operation that is environmentally responsible and is in-line with our corporate sustainability policies, which meet or exceed industry and global standards.

Preliminary environmental studies suggest that the Vivian location can sustain operations that will meet applicable environmental regulations and policies, as well as CanWhite's strict environmental standards for operating. Through vegetation, wetland and wildlife studies, we determined that the site is not home to fish habitat, rare vegetation or uncommon wildlife habitat. We are also nearing completion on further comprehensive environmental investigations, such as noise, heritage resources, hydrogeology and air quality assessment studies, that will be incorporated in the Project's environmentally responsible design.

The Project location is on private land that is mostly forested but does have some recent land uses including mineral exploration, aggregate quarrying and tree cutting. Approximately 16.5 hectares (ha) of naturally vegetated area is expected to be cleared to construct the facility and associated infrastructure. The area to be cleared is approximately 16 times smaller than a section of farmland which is 260 ha.

We understand that the community and stakeholders may have questions and want to know what to expect, here are some of the topics we've heard about so far:



Will this project affect my air quality?



Silica sand facilities are designed to manage and minimize dust in the air as dried silica sand has the potential to become airborne dust. To contain silica sand dust, CanWhite will implement several mitigation measures:

- The Dry Plant of the facility will be enclosed and use an air filtration system
- Outdoor sand stockpiles are created by wet sand which remains wet and therefore will not create dust. Stockpiles will be misted with water during the spring, summer and fall to ensure sand does not dry out. In winter these stockpiles will be covered with a mesh system (similar to a fishing net) that allows snow and ice to accumulate acting as a natural way to contain dust
- The final dry sand product will be stored in enclosed silos until it can be directly loaded into enclosed rail cars for shipment. Sand will travel from the silos in enclosed conveyors and then be loaded into rail cars using a specially designed dust capture system.



Will this project generate noise?



Will this project affect my water?



Will local traffic be affected?





Environmental Protection



CanWhite intends to design an operation that is environmentally responsible and is in-line with our corporate sustainability policies, which meet or exceed industry and global standards.

Preliminary environmental studies suggest that the Vivian location can sustain operations that will meet applicable environmental regulations and policies, as well as CanWhite's strict environmental standards for operating. Through vegetation, wetland and wildlife studies, we determined that the site is not home to fish habitat, rare vegetation or uncommon wildlife habitat. We are also nearing completion on further comprehensive environmental investigations, such as noise, heritage resources, hydrogeology and air quality assessment studies, that will be incorporated in the Project's environmentally responsible design.

The Project location is on private land that is mostly forested but does have some recent land uses including mineral exploration, aggregate quarrying and tree cutting. Approximately 16.5 hectares (ha) of naturally vegetated area is expected to be cleared to construct the facility and associated infrastructure. The area to be cleared is approximately 16 times smaller than a section of farmland which is 260 ha.

We understand that the community and stakeholders may have questions and want to know what to expect, here are some of the topics we've heard about so far:



Will this project affect my air quality?



Will this project generate noise?



At this time, it is not expected that the facility generated noise will impact nearby residents as the majority of the machinery is within an enclosed building.

A noise impact assessment is examining potential sources of Project-related noise. Information from that assessment will help determine if Project design changes may be needed. The naturally vegetated property, the enclosed Dry Plant, the wet sand stockpiles and sand storage silos used for the final sand product will help buffer noise generated by the Project.

Noise from rail activity will be minimized through the rail loop track design. Railcars will be brought in by locomotive and pulled through the rail loop while the sand product is loaded into each railcar at the Rail Load Out. The shape of the rail loop will allow the locomotive to pull the train right through the Rail Load Out without the need to decouple or couple individual railcars. A railcar mover, which is much smaller than a locomotive, will be on-site if a railcar needs to be removed from the train.



Will this project affect my water?



Will local traffic be affected?





Environmental Protection



CanWhite intends to design an operation that is environmentally responsible and is in-line with our corporate sustainability policies, which meet or exceed industry and global standards.

Preliminary environmental studies suggest that the Vivian location can sustain operations that will meet applicable environmental regulations and policies, as well as CanWhite's strict environmental standards for operating. Through vegetation, wetland and wildlife studies, we determined that the site is not home to fish habitat, rare vegetation or uncommon wildlife habitat. We are also nearing completion on further comprehensive environmental investigations, such as noise, heritage resources, hydrogeology and air quality assessment studies, that will be incorporated in the Project's environmentally responsible design.

The Project location is on private land that is mostly forested but does have some recent land uses including mineral exploration, aggregate quarrying and tree cutting. Approximately 16.5 hectares (ha) of naturally vegetated area is expected to be cleared to construct the facility and associated infrastructure. The area to be cleared is approximately 16 times smaller than a section of farmland which is 260 ha.

We understand that the community and stakeholders may have questions and want to know what to expect, here are some of the topics we've heard about so far:



Will this project affect my air quality?



Will this project generate noise?



Will this project affect my water?



The facility will use the same water volume as a typical industrial facility, which includes water used for washrooms, staff kitchen and fire suppression for emergencies. Additionally, an on-site septic system will treat wastewater in accordance with government regulations and guidelines. A minimal amount of water will be used in the Wet Facility from a well on the facility site. Therefore, the water needed at the facility site is not expected to affect local water users.



Will local traffic be affected?



[Back To Top](#)





Environmental Protection



CanWhite intends to design an operation that is environmentally responsible and is in-line with our corporate sustainability policies, which meet or exceed industry and global standards.

Preliminary environmental studies suggest that the Vivian location can sustain operations that will meet applicable environmental regulations and policies, as well as CanWhite's strict environmental standards for operating. Through vegetation, wetland and wildlife studies, we determined that the site is not home to fish habitat, rare vegetation or uncommon wildlife habitat. We are also nearing completion on further comprehensive environmental investigations, such as noise, heritage resources, hydrogeology and air quality assessment studies, that will be incorporated in the Project's environmentally responsible design.

The Project location is on private land that is mostly forested but does have some recent land uses including mineral exploration, aggregate quarrying and tree cutting. Approximately 16.5 hectares (ha) of naturally vegetated area is expected to be cleared to construct the facility and associated infrastructure. The area to be cleared is approximately 16 times smaller than a section of farmland which is 260 ha.

We understand that the community and stakeholders may have questions and want to know what to expect, here are some of the topics we've heard about so far:



Will this project affect my air quality?



Will this project generate noise?



Will this project affect my water?



Will local traffic be affected?



The increase in local area traffic will only be related to the Project construction contractors and operation staff thus will not be substantial. A one-kilometre (km) access road to the facility project site will intersect with PR 302. Most vehicles travelling to and from the site will travel 2 km on PR 302 to PTH 15. Most facility staff are expected to come from the local and regional areas within reasonable driving distance from the Project site.

[Back To Top](#)





Project Timeline

For the Project to proceed, we require input from the public and approvals from both the RM of Springfield and the Province of Manitoba. Under *The Environment Act*, the Project needs an Environment Act Licence from the Province of Manitoba. The application for the licence requires information about how the Project may affect the environment and how CanWhite will design the Project to include measures to protect the environment and the people who live near the Project.

As part of the planning process, we will develop the Project in two general stages. The engagement process included in this early planning stage kicked-off in April 2019 when CanWhite held public meetings in Anola, Richer and La Broquerie to introduce CanWhite and provide information about the potential for a future silica sand project in their regional areas, although the proposed location for the Processing Facility hadn't been determined yet. The first stage of the Facility Project involves meeting with residents, business owners, and other interested parties to introduce ourselves and understand what we should consider as we develop our plan. Stage 1 also includes environmental data collection and investigations, to enhance our understanding of the existing environment. This will help us anticipate what environmental effects can occur so we can design our project to manage those effects. We are committed to balancing the need to work quickly with careful, thorough, diligent and professional analysis as we navigate through the planning process with community stakeholders.

The second stage of the process is the regulatory phase, during which CanWhite will submit the Environment Act Licence applications to the Province and complete the necessary Municipal processes with the RM of Springfield. We hope to begin facility construction September 2020 and begin commissioning and Year 1 operations in January 2021.

Vivian Sand Project Proposed Schedule Milestones

- Virtual Open House May 26, 2020
- Environment Act Licence Application: Early June 2020
- Regulatory Review of Application, including Public Review and Comment: June to August 2020
- Project Approval/ Environment Act Licence anticipated: August 2020
- Facility Construction: September to December 2020
- Year 1 Operations: (commissioning, then product production for sale) January - December 2021

[Back To Top](#)





Get in Touch

Email: info@viviansandproject.com | Telephone: 1-888-436-5238

Name

Email

Subject

Your Message

SEND



Information Package



VIVIAN SAND PROCESSING FACILITY PROJECT

Information Package

AECOM



BACKGROUND

CanWhite Sands Corp. (CanWhite) is planning to build a sand facility in the Rural Municipality (RM) of Springfield, located outside of Vivian, Manitoba. The Vivian Sand Facility Project includes the construction, commissioning and operation of a facility.

CanWhite, parent company of HD Minerals, is a private company based in Calgary, Alberta with operations out of Winnipeg, Manitoba. CanWhite aims to be the lowest cost supplier of high purity silica sand using environmentally sustainable methods while providing benefits to the local community. CanWhite proposes to develop this Manitoba-based Project using local resources and services to deliver the sand product by rail to markets in Canada, the United States and internationally.

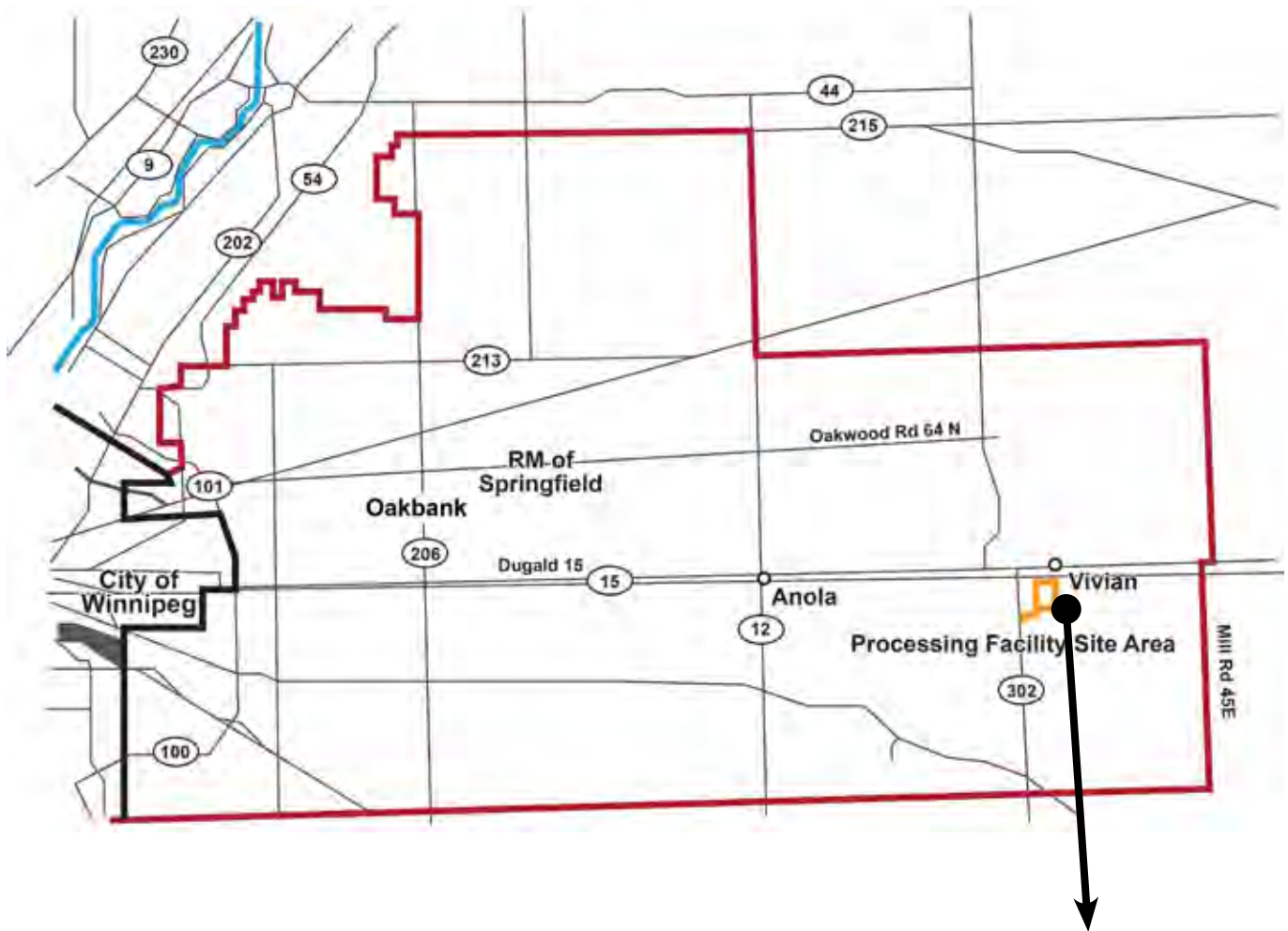
CanWhite will file two Environmental Act Licence applications for the project; the Sand Facility Project and the Sand Extraction Project. The Sand Facility Project is the first application and the focus of the information presented. The Sand Extraction Project is the second application with information coming summer 2020.

WHY THIS LOCATION?

The proposed Vivian Sand Facility Project is within the RM of Springfield, south of Vivian, Manitoba on land designated for aggregate and industrial activities. The location was selected as it is adjacent to, and can make use of, the existing CN rail infrastructure. The facility will receive trains weekly to transport the sand product to market. Therefore, no sand haul trucks will be needed.

Additionally, the RM of Springfield is home to many skilled and experienced workers who will help supply the workforce needed for the planned Project. During construction, the Project is expected to directly employ 20-30 people, and indirectly employ up to 50-60 people through local suppliers and other businesses. Once construction is complete, the facility will employ 40-50 people year-round.





WHAT IS SILICA SAND USED FOR?

Silica sand is quartz that is naturally found broken down into tiny granules. This high-quality silica sand product is used in a variety of markets such as the renewable energy industry (e.g., solar panel production), electronics (e.g., cellphones, computer chips), oil and gas operations, telecommunications (e.g., fibre optics), sports field applications (e.g., golf courses) and the glass and ceramics production industry.



Electronics



Cell Phone Screens



Recreational



Solar Panels



Fibre Optics



Specialty/Medical Glass



Rechargeable Batteries



Float Glass



Water Filtration



Green Energy Storage



Energy



Industry

WHAT IS A SILICA SAND PROCESSING FACILITY?

A Silica Sand Facility consists of a Wet Plant, a Dry Plant and a Rail Load Out. These components wash, dry and transport the final sand product by rail to market. A conceptual view of the proposed facility is shown below. It will be a maximum height of 24 meters tall. The four dry sand silos will be the tallest structures standing at a height of 42 meters. The facility will be surrounded by trees that currently grow on the property.



ENVIRONMENTAL PROTECTION

CanWhite intends to design an operation that is environmentally responsible and is in-line with our corporate sustainability policies, which meet or exceed industry and global standards.

Preliminary environmental studies suggest that the Vivian location can sustain operations that will meet applicable environmental regulations and policies, as well as CanWhite's strict environmental standards for operating. Through vegetation, wetland and wildlife studies, we determined that the site is not home to fish habitat, rare vegetation or uncommon wildlife habitat. We are also nearing completion on further comprehensive environmental investigations, such as noise, heritage resources, hydrogeology and air quality assessment studies, that will be incorporated in the Project's environmentally responsible design.

The Project location is on private land that is mostly forested but does have some recent land uses including mineral exploration, aggregate quarrying and tree cutting. Approximately 16.5 hectares (ha) of naturally vegetated area is expected to be cleared to construct the facility and associated infrastructure. The area to be cleared is approximately 16 times smaller than a section of farmland which is 260 ha.

We understand that the community and stakeholders may have questions and want to know what to expect, here are some of the topics we've heard about so far:



Will this project affect my air quality?

Silica sand facilities are designed to manage and minimize dust in the air as dried silica sand has the potential to become airborne dust. To contain silica sand dust, CanWhite will implement several mitigation measures:

- The Dry Plant of the facility will be enclosed and use an air filtration system
- Outdoor sand stockpiles are created by wet sand which remains wet and therefore will not create dust. Stockpiles will be misted with water during the spring, summer and fall to ensure sand does not dry out. In winter these stockpiles will be covered with a mesh system (similar to a fishing net) that allows snow and ice to accumulate acting as a natural way to contain dust
- The final dry sand product will be stored in enclosed silos until it can be directly loaded into enclosed rail cars for shipment. Sand will travel from the silos in enclosed conveyors and then be loaded into rail cars using a specially designed dust capture system.



Will this project generate noise?

At this time, it is not expected that the facility generated noise will impact nearby residents as the majority of the machinery is within an enclosed building.

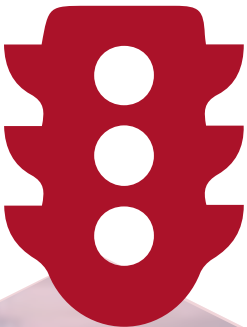
A noise impact assessment is examining potential sources of Project-related noise. Information from that assessment will help determine if Project design changes may be needed. The naturally vegetated property, the enclosed Dry Plant, the wet sand stockpiles and sand storage silos used for the final sand product will help buffer noise generated by the Project.

Noise from rail activity will be minimized through the rail loop track design. Railcars will be brought in by locomotive and pulled through the rail loop while the sand product is loaded into each railcar at the Rail Load Out. The shape of the rail loop will allow the locomotive to pull the train right through the Rail Load Out without the need to decouple or couple individual railcars. A railcar mover, which is much smaller than a locomotive, will be on-site if a railcar needs to be removed from the train.



Will this project affect my water?

The facility will use the same water volume as a typical industrial facility, which includes water used for washrooms, staff kitchen and fire suppression for emergencies. Additionally, an on-site septic system will treat wastewater in accordance with government regulations and guidelines. A minimal amount of water will be used in the Wet Facility from a well on the facility site. Therefore, the water needed at the facility site is not expected to affect local water users.



Will local traffic be affected?

The increase in local area traffic will only be related to the Project construction contractors and operation staff thus will not be substantial. A one-kilometre (km) access road to the facility project site will intersect with PR 302. Most vehicles travelling to and from the site will travel 2 km on PR 302 to PTH 15. Most facility staff are expected to come from the local and regional areas within reasonable driving distance from the Project site.



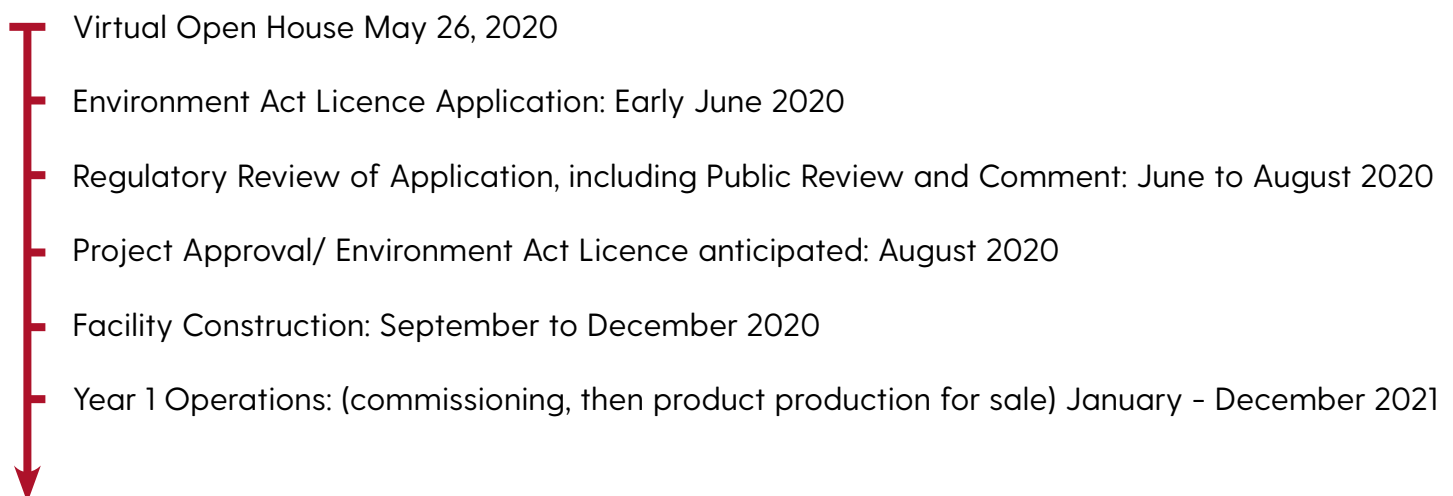
TIMELINE

For the Project to proceed, we require input from the public and approvals from both the RM of Springfield and the Province of Manitoba. Under The Environment Act, the Project needs an Environment Act Licence from the Province of Manitoba. The application for the licence requires information about how the Project may affect the environment and how CanWhite will design the Project to include measures to protect the environment and the people who live near the Project.

As part of the planning process, we will develop the Project in two general stages. The engagement process included in this early planning stage kicked-off in April 2019 when CanWhite held public meetings in Anola, Richer and La Broquerie to introduce CanWhite and provide information about the potential for a future silica sand project in their regional areas, although the proposed location for the Processing Facility hadn't been determined yet. The first stage of the Facility Project involves meeting with residents, business owners, and other interested parties to introduce ourselves and understand what we should consider as we develop our plan. Stage 1 also includes environmental data collection and investigations, to enhance our understanding of the existing environment. This will help us anticipate what environmental effects can occur so we can design our project to manage those effects. We are committed to balancing the need to work quickly with careful, thorough, diligent and professional analysis as we navigate through the planning process with community stakeholders.

The second stage of the process is the regulatory phase, during which CanWhite will submit the Environment Act Licence applications to the Province and complete the necessary Municipal processes with the RM of Springfield. We hope to begin facility construction September 2020 and begin commissioning and Year 1 operations in January 2021.

Vivian Sand Project Proposed Schedule Milestones **Sand Processing Facility Project**





CONTACT INFORMATION

Engaging with the community is vital to this process. We are offering several opportunities for residents to connect with members of our team and provide input. On May 26th, 2020 at 7:00 pm, we will be hosting a Virtual Open House via an online meeting application to present further project information.

If you would like to participate, have questions or provide comments, please send an email to:

info@viviansandproject.com

Or call us at:

1-888-436-5238

AECOM



SURVEY

Please fill out the following survey and send it back to us using the postage provided.

Question 1: Do you have any concerns about the Project?

☐

Yes

☐

No

If yes, select your top three concerns from the following list of Project components:

☐

Air Pollution

☐

Recreational Use

☐

Noise

☐

Resource Use

☐

Animals

☐

Traditional Land Use

☐

Birds

☐

Water Quality

☐

Plants

☐

Water Quantity

☐

Traffic

☐

Rail

Question 2: Do you have any concerns about the project that you feel have not been addressed in this information? If so, please explain...

Question 3: Do you have any specific questions or interests relating to the project going forward?

Question 4: How would you prefer to be kept informed about this project in the future?

Virtual Open House Presentation Slides



Welcome to the Vivian Sand Facility Project Virtual Open House

We will begin shortly. This is a webinar platform, which allows you to see and hear the presenters, but we cannot see or hear you.

For your convenience, you will find a questions button below where you can type in a question at any time. We will address questions at the end of the presentation.



Vivian Sand Facility Project Virtual Open House

May 26th, 2020

Who is CanWhite

- CanWhite, parent company of HD Minerals, is a private company based in Calgary, Alberta with operations out of Winnipeg, Manitoba.
- CanWhite has been exploring the area for the last 3 years and is now planning to initiate a sand extraction and process facility in the Rural Municipality (RM) of Springfield, located outside of Vivian, Manitoba.
- Today we will share our plans for The Vivian Sand Facility Project which includes the construction, commissioning and operation of a sand facility beginning this fall.



Current Operational Status

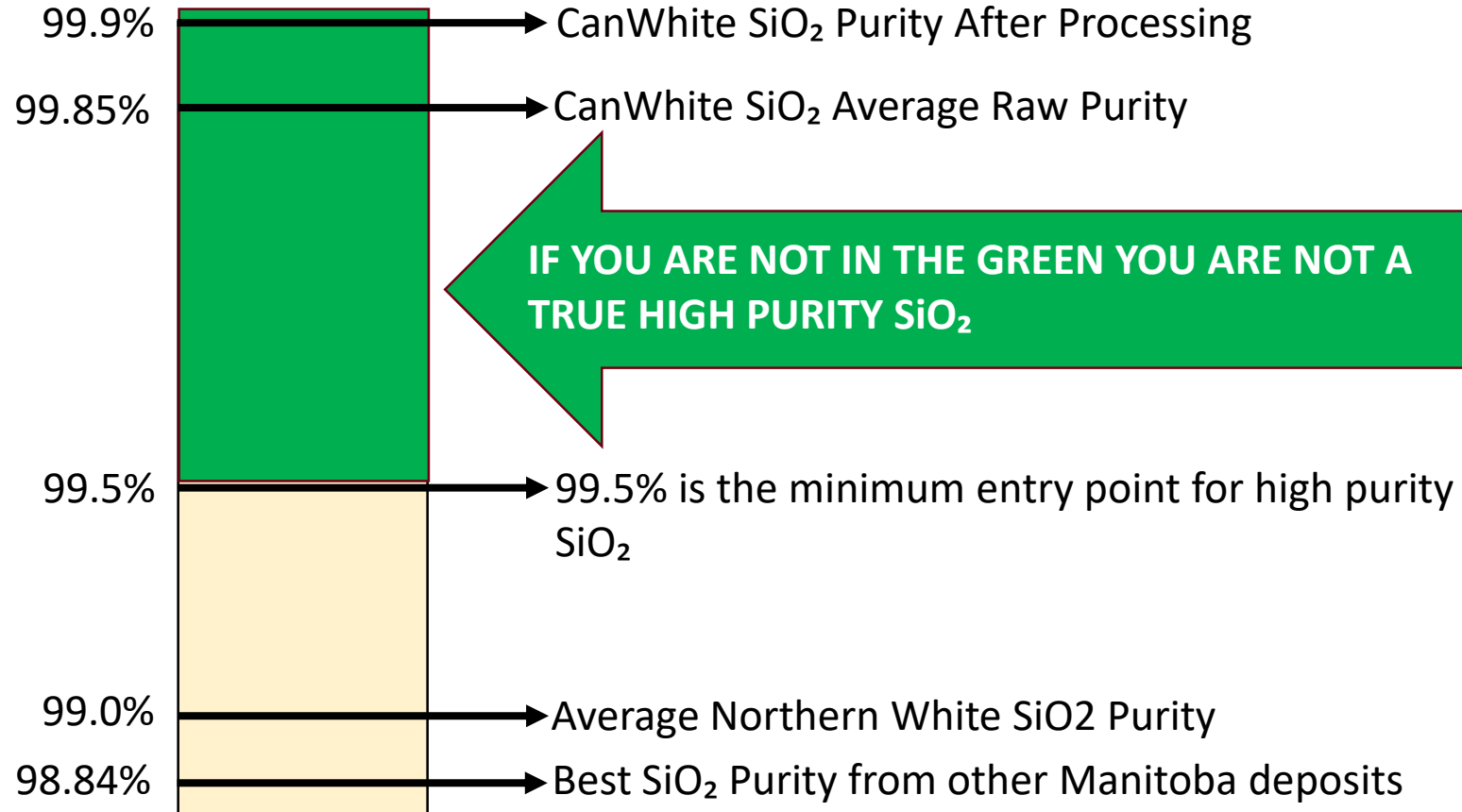
- CanWhite has two active surface access agreements on private property
- CanWhite will be reclaiming these sites once Covid-19 imposed safety regulations allow
- CanWhite has knocked down the surface piles to stop sand drift
 - No risk to residents at this time
- CanWhite has successfully completed over 25 well sealings to date
- CanWhite will have a couple more testing sites this summer

How is the Sand Obtained

THIS IS AN INTRODUCTION FOR INFORMATION PURPOSES. SAND EXTRACTION IS NOT PART OF THIS APPLICATION BUT WILL BE PART OF THE SECOND APPLICATION

- The Sand is 200 feet below surface in the Winnipeg Formation and accessed through a traditional water well
- The Sand is produced with air. **No chemicals are used**
- A CanWhite well is produced for only 3 days
- Slurry from the well are as high as 90% sand
- **LESS THAN 5% OF THE SAND DEPOSIT WILL BE REMOVED**

Why are we focusing on sand here in the Vivian area



What is Silica Sand used for?



Cell Phone Screens



Float Glass



Recreational



Electronics



Green Energy Storage



Solar Panels



Energy



Industry



Specialty/Medical Glass




Fibre Optics



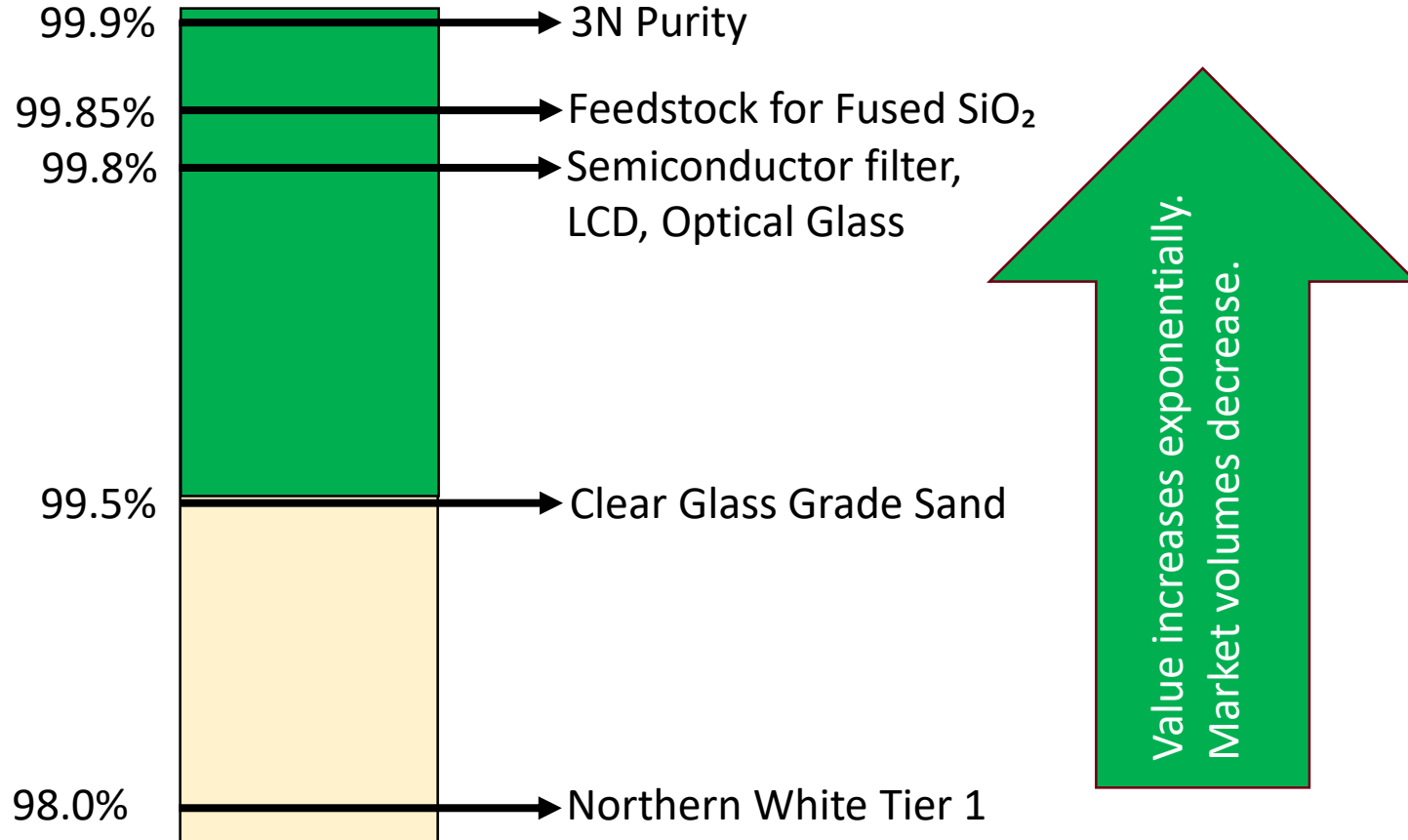
Rechargeable Batteries



Water Filtration

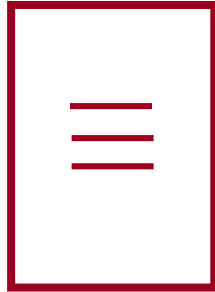
 High quality sand purity usage

CanWhite Sand Value — 99.5% is the minimum entry point for high purity SiO_2



Municipal Permitting Process

**Municipal
Approval Process**
Early Summer 2020

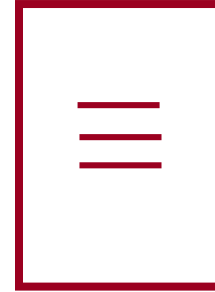


**Facility Project
Permit**
Public hearing



Approval Summer 2020

**Municipal
Approval Process**
Late Summer 2020

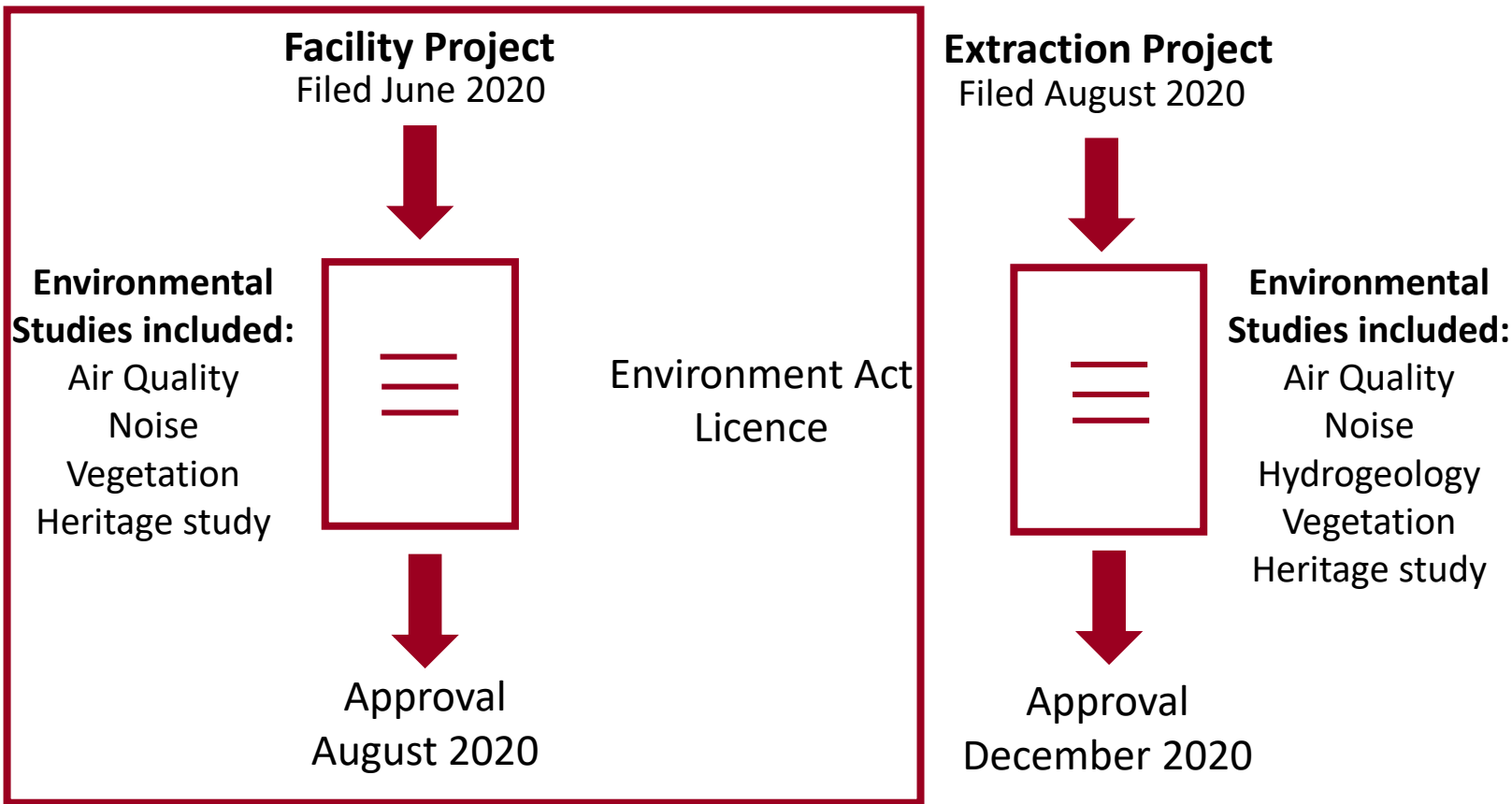


**Extraction Project
Permit**
Public hearing



Approval Summer 2020

Provincial Permitting Process



Proposed Timelines

Facility Project Only:

- Virtual Open House - May 26, 2020
- Environment Act Licence Application: Early June 2020
- Municipal Approval process – Summer 2020
- Regulatory Review of Application, including Public Review and Comment: June to August 2020
- Project Approval/ Environment Act Licence anticipated: August 2020
- Facility Construction: September to December 2020
- Year 1 Operations: (commissioning, then product production for sale) January - December 2021

Location





*Concept only

What is a Silica Sand Facility?

- The Silica Sand Facility consists of three components:
 - Wet Plant
 - Dry Plant
 - Rail Load Out
- Sand and water will arrive at the facility. Sand will be stockpiled, and then dried inside an enclosed building. Once processed, the dried sand will be loaded directly onto covered rail cars and shipped to market. No haul trucks will be used.

Environmental Protection

Environmental studies:

- On-site Investigations for vegetation, Wetlands, Wildlife and Heritage Resources.
- No fish habitat
- No rare vegetation communities or uncommon wildlife habitat
- On-site archaeological investigation found the Project Site area to have low potential for undiscovered heritage resources
- The area to be used is approximately 16 times smaller than a section of farmland which is 260 ha.
- Air Quality Assessment
- Noise Assessment



Will this project affect my air quality?



- Silica sand processing facilities are designed to manage and minimize dust. To contain silica sand dust, CanWhite will implement several mitigation measures:
 - The Dry Plant of the facility will be enclosed
 - Outdoor sand stockpiles are created with wet sand.
 - The final dry sand product will be stored in enclosed silos until it can be directly loaded into enclosed rail cars for shipment.

Will this project generate noise?



- At this time, it is not expected residents will be impacted by any noise.
- Majority of the processing machinery is within an enclosed building.
- The naturally vegetated property boundary will help buffer noise generated by the Project.
- Noise from rail activity will be minimized by an efficient rail loop track design.

Will this project affect my water?



- Water usage from the facility is not expected to affect local users.
- The facility will use the same water volume as a typical industrial facility
 - Includes: washrooms, staff kitchen and fire suppression for emergencies.
- On-site septic system will treat wastewater in accordance with government regulations and guidelines.
- A minimal amount of water will be used in the Wet Processing Facility from a well on the facility site.

Will the local traffic be affected?



- Sand will be transported by train, minimizing truck traffic on roads
- During construction and operations, contractors and staff will need to go to and from the facility. This will not be a substantial increase.
- Most vehicles travelling to and from the site will travel 2 km on PR 302 to PTH 15.
- Most facility staff are expected to come from the local and regional areas within reasonable driving distance from the Project site.

How will my local community benefit from the Project?



- Employment – *Committed to hiring local talent. Once construction complete the facility will employ 40-50 people year-round.*
- Local Business involvement – *CanWhite already regularly works with many local businesses. There will be needs for fuel, maintenance, parts and general services.*
- RM Tax Revenue – Property tax
- Natural gas line – *CanWhite is in negotiations with MB Hydro to bring a natural gas line into the area.*
- Cellphone coverage improvements – *CanWhite is initiating conversations to improve cell coverage in the area.*

Looking for more information?



- **Website**

- www.viviansandproject.com
- Comment section – let us know if you have any more questions

- **Ask a question today**

- This platform allows for questions on the control bar below. Please type in your question and send. Our speakers will be answering questions in a few minutes.



- **Contact information:**

- [Email: info@viviansandproject.com](mailto:info@viviansandproject.com)
- Phone: 1- 888-436-5238
- During operations and construction, get in touch with us if you have any concerns.



AECOM



Thank You

Appendix I

**Responses to Questions and
Comments Received through the
Project Public Engagement Program**

Appendix I: Responses to Questions and Comments Received through the CanWhite Facility Project Engagement Program

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
PHYSICAL ENVIRONMENT					
Groundwater	1	How will the aquifer be protected?	Email (2)	The Facility Project will require two groundwater wells; one dedicated to emergency fire suppression (on demand short-term use) and the other for water used by employees for sinks, showers and toilets in the Processing Facility. The quantity of groundwater needed for the above-described Processing Facility uses is 200- 300 US gallons (757 to 1136 litres) per day with no additional water required from on-site groundwater wells needed for the Wet Plant or Dry Plant processes. The daily total volume of water required for the Processing Facility is equivalent to a 4-6 person household in the local area. Each well will be installed the same as any domestic or industrial water well in accordance with <i>The Groundwater and Water Well Act</i> and capped to prevent surface water and debris from entering the wells. Also see the response to #2 below regarding groundwater contamination.	Section 6.2.3: Groundwater
	2	How will groundwater be protected from contamination?	Email (1); Virtual Meeting (2)	No harmful chemicals will be used in the processing of the sand. Water that will be recirculated into the sand washing process will be treated first with a biodegradable food-grade flocculant as an aid for fines settling. The water treatment system closely resembles that of a typical water treatment facility. Due to the recirculation of sand processing water in a loop system, there will be no discharge of sand processing wastewater. Each well will be installed the same as any domestic or industrial water well in accordance with <i>The Groundwater and Water Well Act</i> and capped to prevent surface water and debris from entering the wells. Wastewater from staff washrooms, shower facilities and staff kitchen will be directed to a septic system that will include a septic tank and drain field/leach field. The septic system will be installed, and regularly maintained and monitored for correct functioning, in accordance with the Onsite Wastewater Management Systems Regulation under <i>The Environment Act</i> . Groundwater will be protected from accidental spills (e.g. fuel, oil) through the use of standard spill containment devices. Limited volumes of hazardous waste will be stored on-site and will consist of those commonly found in maintenance shops (e.g. engine oil; lubricants; adhesives; paint) and associated with routine building and equipment maintenance (e.g. loaders; pick-up truck). These wastes will be stored in a designated location on site and handled, transported and disposed of in accordance with applicable legislation and associated regulations and guidelines, including <i>The Dangerous Goods Handling and Transportation Act</i> of Manitoba and applicable regulations.	Section 6.2.3: Groundwater
	3	Concern about the local area gravel pits, their impacts on groundwater and if the effects of this Project on groundwater will be 'masked' due to the existing groundwater condition.	Virtual Meeting (1)	The water required for the Processing Facility is limited only to water used by employees for sinks, showers and toilets and for emergency fire suppression. This volume is equivalent to a 4-6 person household in the local area which is 200 - 300 US Gallons per day.	Section 2.7: Water Use and Section 6.2.3: Groundwater

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
ATMOSPHERIC ENVIRONMENT					
Air Quality	4	Concern about the potential effects to air quality, including silica dust generation, in the Local Project Area.	Email (2); Virtual Meeting (1)	CanWhite will be utilizing the latest industry technology in the Project design to control silica sand dust and other air contaminants. To control dust, the entire Dry Plant will be enclosed. The dryer is equipped with a baghouse to capture dust generated from the drying process. All conveyors after the dryer are enclosed, with all transfer points under negative pressure to control dust along the conveyance system. Also refer to the response for #15 which describes dust control measures for the overs/fines sand reject piles, and response for #39 which explains why dust from wet sand stockpiles is not generated. An Air Quality Impact Assessment report is available as part of the Environment Act Licence application (Environment Act Proposal document) which was prepared by technical experts and provides an assessment of the potential effects of the Project on air quality, including the potential for exceedances in pollutants including dust. The results of the Air Quality Impact Assessment report have indicated that modelled concentrations of air quality parameters (including dust) at nearest residents to the Processing Facility during Project operations were well below the provincial guidelines.	Section 6.3.1: Air Quality
	5	General concern regarding noise.	Virtual Meeting (1); Feedback Form (1)	The current land area is largely forested, including around the perimeter of the Project site area. It is CanWhite's intention to leave in place as many trees and vegetation as possible to act as a natural buffer to mitigate noise. The Dry Plant will be an enclosed building which will minimize dry sand processing noise. The design and operation of the Rail Loop component described in our response below to #6 is also expected to mitigate noise related to the rail component of the Project. We do not expect local residents to be impacted by the noise generated by the Project. A Noise Impact Assessment report is available as part of the Environment Act Licence application (Environment Act Proposal document) which was prepared by technical experts and provides an assessment of the potential noise generated by the Project, including the potential for exceedances in noise guideline levels. The results of the Noise Impact Assessment report concluded that Project activities during the construction and operation phases are predicted to not exceed the limits set in the Manitoba Guidelines for Sound Pollution.	Section 6.3.3: Noise
Noise	6	To what extent will your operation and the spur line associated with it increase the train traffic and how much additional noise will be generated in the area? (what can you do to ensure the life style of those in the Hamlet of Vivian, Manitoba is not adversely affected?)	Email (1)	We expect at peak operation to have two to three trains per week leaving the Processing Facility site. The design of the rail loop allows for the trains to be completely off the existing adjacent CN Rail main line. The shape of the rail loop will allow a locomotive to pull the train right through the Rail Load Out without the need to decouple or couple individual cars which would be a source of noise. A smaller railcar mover will be used if a railcar needs to be removed or added to the train (e.g. for maintenance). Other mitigation measures to control noise will also be implemented as described above in the response to #5.	Section 2.2.2: Rail Load Out and Section 6.3.3: Noise

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
TERRESTRIAL ENVIRONMENT					
Vegetation	7	How far away will the clear-cutting [vegetation clearing] be from Station Road 44E [in proximity to the Rail Loop]? What is the plan for the area inside that rail loop?	Email (1)	We do not plan to clear cut the entire Rail Loop. We intend to keep as many trees as possible both inside and outside of the Rail Loop. Some trees in proximity to the rail track will need to be cleared for safety and visibility of the Rail Loop track and Rail Loading area. As for the existing trees adjacent to Station Road 44E, our plan is to leave as many trees as possible while accommodating the clearing requirements for the Rail Loop and curvatures of the track.	Section 6.5.1: Vegetation
SOCIOECONOMIC ENVIRONMENT					
Labour Force and Employment	8	How many local jobs will be created; what type of jobs?	Email (1)	Hiring will begin once permits and approvals are received from both the Provincial Government and RM of Springfield. There will be many employment opportunities either directly or through local contractors in the area during the construction phase. We encourage everyone interested in working with us or with one of our contractors to please submit your resume to us. During the Project construction phase, approximately 20 to 30 people will be employed under contract for site clearing and Project construction. The need for local suppliers and other business to support the construction phase is likely to provide indirect employment for up to 60 additional people. During long-term operations we expect to employ 40-50 people on a full-time basis once we hit peak production. This will include laborers, trades, operators and administration.	Section 2.6 Employees and Section 6.6.1: Labour Force and Employment
	9	What are your plans and guidelines for Union or non-Union labour or workforces?	Virtual Meeting (2)	We are following provincial government regulations regarding labour and employment.	N/A (not applicable)
	10	What will be the average wage for facility workers?	Email (1); Virtual Meeting (1)	CanWhite will offer competitive wages.	N/A
Infrastructure and Services	11	What improvements are going to be required and made to provincial road 302 and will CanWhite pay for those improvements?	Email (1)	We are not anticipating the need for any improvements to PR 302 because there will be no substantial increase in local traffic. Also refer to response for #21.	N/A
	12	You talked about a new gas line and better cell phone coverage in the plans. A lot of people out in the area talk about a lack of unreliable internet service. Is there anything that you might be looking into in regards to that?	Virtual Meeting (1)	The Project will likely require upgraded communications services that may require an additional cell tower in the local area. As part of our discussions with communication services companies, we will discuss the requirement logistics and options which may include an additional cell tower capable of accommodating improved internet services or installation of fibre optics cables along the proposed natural gas line for the Project which could improve internet services in the region.	Section 4.6.3: Infrastructure and Services
Human Health - Dust / Air Quality Related	13	General concern about the potential human health effects of silica dust in the Local Project Area.	Email (1); Virtual Meeting (3)	Refer to the response for # 4 under 'Air Quality' which describes how air quality will be protected and responses to #14, #15 and #39 regarding mitigation measures that will be used to control dust so that it does not affect local residences or Processing Facility workers.	Section 6.3.1: Air Quality and Section 6.6.4: Human Health
	14	Will the health of Facility workers be affected by exposure to silica dust or other air quality contaminants? What precautions will workers take to prevent exposure to silica dust?	Email (1)	The handling of fine silica dust collected and all other work associated with the Project will be conducted in accordance with <i>The Workplace Safety and Health Act</i> which includes provisions for safely working with potential airborne contaminants. Appropriate personal protective equipment will be supplied to employees and workers. Also refer to the response above for #13.	Section 6.6.4: Human Health

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
	15	How will you stop the waste sand that will be used from becoming airborne and a health risk?	Virtual Meeting (1)	The overs sand reject pile associated with the Wet Plant and the overs/fines sand reject pile associated with the Dry Plant will be misted with water to mitigate the potential for fugitive dust generation, as needed (e.g. during hot, dry and windy weather). During the winter months, these sand reject piles will be covered with a mesh system (similar to a fishing net) that will allow snow and ice to accumulate on the wet sand pile to act as a natural containment to control dust. The oversize sand and overs/fines sand reject piles will be regularly depleted as those materials can be sold to alternate markets and used in other applications. Regarding the waste sand collected in the Dry Plant baghouse air filter system, the handling of fine silica dust collected will be conducted by trained personnel in accordance with <i>The Workplace Safety and Health Act</i> which includes provisions for safely working with potential airborne contaminants. Appropriate personal protective equipment will be supplied to employees and workers.	Section 6.3.1: Air Quality
	16	Has a credible independent third-party analysis been done of the potential for silica dust exposure both to workers and nearby residents?	Email (1)	As indicated in the response to #4, an Air Quality Impact Assessment report is available as part of the Environment Act Licence application (Environment Act Proposal document) which was prepared by technical experts and provides an assessment of the potential effects of the Project on air quality, including the potential for exceedances in pollutants including dust.	Appendix B: Air Quality Report
	17	What are the micron sizes of your dust?	Virtual Meeting (1)	The silica dust size that would be typical for the Processing Facility operations will be 105 microns or less. Numerous mitigation measures to control dust, including those described above in responses to #4, #14, #15 and #39, will be applied to protect human health and the environment from fugitive dust.	Section 2.1.1: Sand Treatment: Wet Processing
	18	Don't the piles of sand outside make dust as the sand is moved to the screener?	Virtual Meeting (1)	The sand in the wet sand stockpiles is still wet when picked up by a loader and placed into a hopper which feeds scalping screen prior to entering the Dry Plant (which is completely enclosed). Therefore, the wet sand will not create dust when moved by the loader. Also refer to the response to #39 which explains why dust from wet sand stockpiles is not generated.	Section 2.1.1: Sand Treatment: Wet Processing
	19	Are you using NeSilex for dust suppression with water?	Virtual Meeting (1)	No, we will not be using NeSilex to control dust. Refer to #15 above and #39 responses which explain how stockpile dust will be controlled.	Section 6.3.1: Air Quality
Property Values	20	Will the Project affect property values?	Feedback Form (1)	Property values in the Local Project Area are not expected to be adversely affected the Project considering an extensive previous study of property values in the vicinity of silica sand facility locations in the United States indicated that “There are no documented circumstances of industrial sand mining causing a community-wide reduction of property values” (The Heartland Institute, 2016). CanWhite will be bringing in a new natural gas line and will likely be requiring improved cellular service to the Local Project Area which has the potential to benefit local properties in the vicinity of these services.	Section 6.6.3: Land and Resource Use

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
TRAFFIC					
	21	How do you propose to mitigate the increase in traffic generated by employees and suppliers and the sand product on PTH #15 and PR #302?	Email (1)	There will be no substantial increase in local traffic. The sand product will be transported to markets from the Processing Facility directly by rail and not by road. The traffic on PTH 15 and PR 302 associated with the Project after the construction phase will be from employees travelling to and from work, deliveries and supplies, or maintenance crews for ongoing maintenance and/or repairs at the Processing Facility.	Section 6.7: Traffic
	22	How much traffic will be created by this Project?	Email (1)	Traffic will be limited to employees, contractors and suppliers. During the construction phase of the Project, increases in local traffic volumes will be temporarily associated with the 20 to 30 contractors and employees that will travel to the Processing Facility daily. Once Project construction is complete, traffic related to Project operations will only be associated with 20 to 25 employees arriving twice per day for their shift. Additional minor traffic will be related to weekly supply/parts deliveries and contractors for services such as waste disposal. Also refer to the response above for #21.	Section 6.7: Traffic
	23	What type of vehicles and loads, and what will be the days and times of operation?	Email (1)	There will be no transport truck hauling of the sand product. We will be loading trains with sand product two to three times per week throughout each year of operation. Project operations will occur 24 hours per day, 7 days per week except during any shut-down time required for maintenance.	Section 1.5: Project Planning Phases; Section 2.9: Equipment Use; and Section 6.7: Traffic
ACCIDENTS AND MALFUNCTIONS					
Power Failure	24	Do you foresee any excessive hydro usage for your plant which could cause power outages locally?	Virtual Meeting (1)	Our Project will not affect power requirements of the surrounding area, and therefore would not cause local power supply outages, because Manitoba Hydro is reviewing power needs to ensure adequate power supply to the local area with the addition of the Project.	N/A
FOLLOW-UP PLANS					
	25	Will air quality be monitored and residents/workers alerted if there are exceedances?	Email (1)	As indicated in the response to #4, the results of the Air Quality Impact Assessment report have indicated that modelled concentrations of air quality parameters (including dust) at nearest residents to the Processing Facility during Project operations were well below the provincial guidelines. Also refer to the response for #14 regarding protection of workers.	Appendix B: Air Quality Report
	26	Who will be monitoring the air quality for the area? How frequently? Who will do it and what are their qualification?	Virtual Meeting (1)	CanWhite will develop and implement a Dust Management Plan that minimizes the potential for exceedances of ambient criteria at the Processing Facility boundary. Based on the results of the air quality impact assessment for this Project, there is no requirement for air quality monitoring.	Section 8: Follow-up Plans
OTHER					
Project Description - General	27	Will both the dry plant and wet plant operate in winter or only the dry plant?	Email (1)	The Dry Plant and rail infrastructure will operate year round, while the Wet Plant will operate only during the warmer months (April to November).	Section 2.1.1: Sand Treatment: Wet Processing; and Section 2.1.2: Sand Treatment: Dry Processing
	28	Will the dry plant have a baghouse to collect the fine silica dust that is too small for use as proppant or other uses? What will happen to rejected the silica dust? How will it be handled and disposed of?	Email (1)	The fine silica dust that will be captured in the Dry Plant baghouse will be collected and sold because it has saleable value for use in the silica industry. The handling of fine silica dust collected and all other work associated with the Project will be conducted by trained personnel in accordance with <i>The Workplace Safety and Health Act</i> which includes provisions for safely working with potential airborne contaminants. Appropriate personal protective equipment will be supplied to employees and workers.	Section 2.1.2: Sand Treatment: Dry Processing; and Section 2.3.2: Solid Waste and By-product

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
	29	Will chemicals be used in the processing of silica sand?	Email (1)	No chemicals will be used in the processing of the sand. The water that is separated from the sand will be treated with a biodegradable food-grade flocculant as an aid for fines settling, which is the same as what is used at typical water treatment facility.	Section 2.1.1: Sand Treatment: Wet Processing
	30	What will be the hours and days of operation for the Processing Facility?	Virtual Meeting (1); Feedback Form (1)	Project operation activities will occur 24 hours per day, 7 days per week for the 24 year life of the Project except for any shut-down time required for maintenance.	Section 1.5: Project Planning Phases
	31	How long can you foresee this operation to last?	Virtual Meeting (1)	We are submitting an Environment Act Licence application for a Facility Project with a Project life of 24 years. If in the future the Facility Project operation phase is proposed to be extended, then a Notice of Alteration will need to be submitted to the provincial government to apply for approval of a Project life extension.	Section 1.1: Project Overview; and Section 1.5: Project Planning Phases
	32	How was the sand you'll be using analysed?	Virtual Meeting (1)	CanWhite is using the services of a third-party certified lab (IS 9001:2015 and ISO/IEC 17025:2017), that performs this type of mineralogical / sand testing.	N/A
	33	Will there be a steam cloud produced by the drying process?	Virtual Meeting (1)	No steam cloud will be produced from the sand drying process. The moisture in the sand will evaporate from the heat of the dryer and the hot air/dust will pass through the baghouse to capture dust particles.	Section 2.1.2: Sand Treatment: Dry Processing
	34	How will you meet and/or exceed environmental standards?	Virtual Meeting (1)	CanWhite is committed to following all applicable environmental regulatory and industry standards. As indicated in the response to #4, CanWhite will also be utilizing industry experts, experience and technology in the Project design.	Section 1.6: Regulatory Framework
Project Description - Water Use	35	How much water does the sand Processing Facility use and where will you be getting the water?	Virtual Meeting (1)	The Facility Project will require two groundwater wells; one dedicated to emergency fire suppression and the other for use by employees for sinks, showers and toilets in the Processing Facility. The amount of groundwater required for these Facility needs will be minor and will need to be permitted by regulatory authorities to protect the aquifer. The total daily water requirement is 200 to 300 gallons (757 to 1,136 litres) per day to operate the Processing Facility. No water from the aquifer is needed to run wet or dry sand processing components; processing water will be recycled in a loop system.	Section 2.7: Water Use
	36	How much makeup water will be required per year and where will it come from?	Email (1)	The water required for the Wet Plant is 100% recycled water in a loop system from the slurry line that enters the Wet Plant. Therefore, no additional makeup water is required that will not already exist in the loop system. The Dry Plant does not require any make-up water. Therefore, there is no draw on the aquifer for the Wet Plant or Dry Plant sand processing operations. During the winter months, the water in the clarifier and Wet Plant systems will be drained, and stored in an on-site surface water storage tank for the winter. In the spring, the water required to start up the clarifier and associated Wet Plant equipment will come from the winter surface water storage tank which will mitigate the need to take additional water from the aquifer.	Section 2.7: Water Use
	37	How much water if necessary is needed to maintain the Wet Plant?	Email (1)	Due to the very low clay/silt content of the sand entering the Processing Facility (i.e. 0.46%) through the slurry line versus most other sand deposits having 15% to 25% clay content, very little water is required for the Wet Plant to prepare the sand for drying compared to a traditional sand processing facility. See the response to the above question #36 regarding the volume of makeup water required.	Section 2.7: Water Use

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
	38	If the wet plant shuts down in winter will all the water be drained and resupplied in spring start up? if so, what happens to the drained water?	Email (1)	When the Wet Plant is shut down for the winter, water present in the Wet Plant system will be diverted to a holding tank for storage over the winter. Water from this tank will then be used to supply the Wet Plant system in the spring.	Section 2.7: Water Use
Project Description - Stockpiles	39	How will dust from stockpiles be controlled?	Email (1); Virtual Meeting (1)	Wet sand stockpiles will have an approximate 15% moisture content when stockpiled and therefore will be too wet to be a source of dust to the surrounding environment. During the winter months, the wet sand stockpiles will freeze a few inches on the outer layer, which will contain the sand further should there be any remaining dust particles in the stockpiles. Also refer to the responses for #15 regarding dust control measures for overs/fines sand reject piles and #18 regarding why dust will not be an issues when moving the sand from the wet stockpiles to the screeners.	Section 2.1.1: Sand Treatment: Wet Processing; Section 2.1.2: Sand Treatment: Dry Processing; Section 6.3.1: Air Quality
	40	If the sand stockpiles are wet how will they be prevented from freezing in winter?	Email (1)	There are no plans to prevent sand stockpiles from freezing. The first few inches of the sand stockpiles will freeze during winter. This is desirable to maintain moisture levels in the sand stockpiles.	Section 2.1.1: Sand Treatment: Wet Processing
	41	What will happen to the water drained from the sand from the slurry extraction and off the stockpiles? How much water drainage will there be a year?	Email (1)	This water is piped back into the water recycling system. Sand will be at a 15% moisture content when it is stockpiled. Therefore, the total volume of water that drains off the stockpiles will be minimal. The water that does drain off the stockpiles will be captured using a drain system and recycled for the sand processing.	Section 2.1.1: Sand Treatment: Wet Processing
	42	What will be the volume of the sand stockpiles, number of stockpiles and dimensions of the stockpiles?	Email (1)	We will have two wet sand stockpiles located at the Processing Facility. They will be approximately 26.7 m (94 ft) and 14.9 m (49 ft) in height respectively. Volumes will be approximately 196,882 m3 and 43,832 m3, respectively. The above heights and volumes are the maximums because sand from the two wet sand stockpiles will be used continuously throughout the year. Therefore, stockpiles will be at their largest in the fall, and will be depleted over the winter months, leaving the smallest stockpiles in the spring.	Section 2.1.1: Sand Treatment: Wet Processing; Figure 2-2: Processing Facility Components
	43	The sand piles from CanWhite's exploration activities were not all reclaimed in 2019 due to early winter storms. At any time over the winter, were the piles of silica sand which were left behind not watered down or otherwise protected to prevent spread in the wind?	Virtual Meeting (1)	Exploration phase sand piles were flattened to encourage snow build up on top of the sand. The sand piles were wet, and would freeze overwinter, thereby mitigating sand dispersion in the wind. Reclaiming activities were planned for spring 2020, but had to be postponed because of restrictions related to the COVID-19 (coronavirus) pandemic. CanWhite is in the process of reclaiming these sites.	N/A
Project Description - Sand Product Market Use	44	By using rail as your main transportation source, are you shipping the silica sand to be used in the oil industry outside of the province and/or country?	Email (1)	Sand will be shipped within Canada, the United States and internationally through ports on either or both the east coast and west coast of Canada. Although some of our sand may be sold to the oil and gas industry, it is of high enough silica purity that our target markets are other industries such as the medical glass industry, renewable energy industry (e.g., solar panel production), electronics (e.g. cell phones, computer chips) and telecommunications (e.g., fibre optics). Until such time that these target markets have operations in Manitoba, the sand will be shipped to established markets within Canada, the United States and internationally.	Section 1.1: Project Overview

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
	45	What are the target markets for the silica sand product produced?	Email (1)	We will be targeting a variety of industry markets for our sand product (see response to #44 above). The sand product will be transported by rail to markets in North America and possibly shipped to international markets. With the development of the clean and renewable industries worldwide we anticipate the majority of our high quality sand product will go to clients for use in the clean energy industry.	Section 1.1: Project Overview
	46	What percentage of your sand product will be sold to markets other than the oil sector?	Virtual Meeting (2)	We forecast that at least 60% of the sand product will be going to various industries outside of the oil and gas industry. Also see responses to #44 and #45 above.	N/A
Project Description - Access Road	47	The access road you have indicated to utilize is a trail that goes under the hydro line and is used by snowmobiles and ATVs. This is a Snoman Inc. route as well. The highway access is also an access into other businesses, including gravel trucks. Are you intending to develop the access route into a road meeting the government requirements?	Email (1)	A new permanent access road is being planned that will accommodate emergency vehicle access and will not overlap or intersect with the Manitoba Hydro RoW access road. It will be approximately 1 km long and will be located immediately south of the facility on the municipal road allowance going west to connect with PR 302. If CanWhite uses the Manitoba Hydro RoW access road, it will only be during Project construction, and possibly early Project operations, while the permanent road is being completed (expected to last no longer than four months to one year).	Section 2.5: Access
Project Description - Decommissioning	48	Years back the land was farmland; how will the land change?	Feedback Form (1)	The Project will be located on private land that is currently mostly forested with some previously disturbed areas from forest clearcutting, aggregate extraction and exploration activities. At the end of the 24-year life of the Project, the Processing Facility and other Project components will be removed and the land will be returned to a natural condition in accordance with regulatory requirements.	Section 7: Decommissioning

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
Environmental Assessment / Regulatory Review and Permitting Process	49	Why are you starting with the plant assessment prior to the mining assessment since this is where the supply is coming from for this sand plant? What measure have you taken to ensure that the entire project from the mining to processing will be taken into account in the environment assessments?	Email (1); Virtual Meeting (1)	CanWhite's environmental assessment activities contemplate the potential environmental effects of both the Facility Project and the Extraction Project. Both projects are 'developments' which require licensing under <i>The Environment Act</i> . The processing plant is proposed as a 'bulk materials handling facility', which is listed as a Class 1 development in section 2 of the Classes of Development Regulation under group 4, 'Manufacturing'. This category fits well because it will be " <i>a facility operated for commercial purposes for the ... handling, sorting, storage, treatment [and] transfer or sale of bulk materials such as sand</i> ". Alternatively, the Project could be treated as a 'manufacturing and industrial plant' which is a Class 2 development in section 3 of the Classes of Development Regulation under group 4 "Manufacturing". It makes sense to license the Facility Project separately and in advance of extraction because: it consists of a permanent building and other infrastructure similar to other manufacturing operations located in urban or semi-urban settings; it can be operated on a commercial basis to process and transfer sand that is not mined by the same owner, provided that the sand is of the same nature and quality; special license conditions will have to be contemplated for extraction which contemplates changing of sites, which is not typical for Environment Act licenses and which will not be relevant to the Processing Facility; and construction of the Processing Facility will take time to achieve, whereas extraction involves portable drills which will move frequently and for which no construction season is required. Extraction is mining which must be licensed under <i>The Environment Act</i> as a Class 2 development and which is subject to the closure planning and financial assurance provisions of <i>The Mines and Minerals Act</i> and to the specific regulation applicable to drilling and closing boreholes. Thus all aspects of both projects are being taken into account in the regulatory review process.	Section 1.6: Regulatory Framework
	50	Have environmental assessments been done for both the Facility Project and Extraction Project and where can copies be obtained?	Email (1); Virtual Meeting (2)	Environmental assessment information for both the Facility Project and the Extraction Project will be included in separate Environment Act license applications. Copies will be made available to the public through the public review process and Government of Manitoba 'Public Registry' website: https://www.gov.mb.ca/sd/eal/registries/index.html	N/A
Engagement Program	51	Will my questions be on record?	Email (1)	Yes. All questions pertaining to the Facility Project submitted as part of CanWhite's Engagement Program, including the online Virtual Public Meeting, have been documented and are addressed within this response table. Sand extraction related questions will be addressed within a response table that will be included in a separate Environment Act Proposal document for the Extraction Project that will be submitted to the Environmental Assessment Branch in August, 2020.	Section 5: Engagement Program; Appendix I: Responses to Questions and Comments Received through the CanWhite Facility Project Engagement Program
	52	Why are you doing this event online and not in person?	Email (1)	Due to government mandated restrictions with coronavirus (COVID-19), we are not able to hold an in-person event at this time. We are following the Province of Manitoba's recommendations to host a live event online. We would prefer to have done this in-person. As noted in the presentation we will be doing another Public Meeting/Open House as part of our Extraction Project review process. We hope that we will be able to do that one in person.	Section 5: Engagement Program

ENVIRONMENTAL COMPONENT / TOPIC	KEY ISSUE / QUESTION REFERENCE NUMBER	KEY ISSUE / QUESTION RAISED	METHOD OF SUBMISSION (Virtual Public Meeting / Email / Phone)*	RESPONSE	LOCATION IN EAP FOR ADDITIONAL TOPIC INFORMATION
	53	Concern that the Virtual Meeting via the Zoom application could be potentially hacked; preferred an in-person Open House event.	Email (1)	Considering that coronavirus (COVID-19) restrictions prevented an in-person Open House event, although that would have been CanWhite's preference, we believe Zoom (virtual on-line meeting) was the right choice to best meet expectations for public accessibility and hacking prevention. To allow for a seamless event for areas that have restrictions on high speed internet access, we used the Zoom registration security platform that requires each participant access the Virtual meeting by using a unique log-in procedure to prevent hacking.	Section 5: Engagement Program; and Appendix H: Public Engagement Program Communication Materials, May 2020
	54	What's the point of having this [Virtual Zoom] meeting if we have no say whether you go ahead with your facility or not?	Virtual Meeting (1)	The purpose of the Virtual Public Meeting held on May 26, 2020 was to inform the public of our plans, collect comments, and answer questions about the proposed Facility Project. The Environment Act license process includes an opportunity for the public to review and comment on the application. Manitoba regulators take the public's comments and concerns into account in their decision making.	Section 5: Engagement Program
	55	What are your plans and guidelines for Indigenous engagement?	Virtual Meeting (1)	We are following municipal and provincial government guidance and requirements regarding Project-related engagement.	N/A
Questions about CanWhite	56	Where is your office in Winnipeg?	Email (1)	There is no CanWhite office in Winnipeg.	N/A
	57	What is your corporate connection to Canadian Premium Sand?	Email (1)	CanWhite Sands has no connection whatsoever with Canadian Premium Sand. There is no cross-ownership between the two companies. There are no common directors or officers, and there is no relationship for any form of joint operations between the two companies.	N/A

*Number in parentheses after each 'Method of Submission' indicates the number of submissions that raised the Key Issue/Question.

Note: The Key Issues / Questions raised were submitted to CanWhite during May and June, 2020. Some issues/questions have been summarized for clarity and readability. Only questions related to the Facility Project have been included in this table. A summary list of potential environmental effects of the proposed Project and the design features, standard operating procedures and other mitigation measures that will be implemented is provided in Table 6-5.