February 25, 2020

Environmental Approvals Branch
Manitoba Sustainable Development
1007 Century Street
Winnipeg, Manitoba R3H 0W4

**Attention:** Director

**Re: Tervita Corporation: Dangerous Goods Handling and Transportation Act Application Form**

As a leader in environmental and waste services, Tervita Corporation (Tervita) has a strong track record of safety and environmental compliance and is committed to supporting the requirements of Manitoba Conservation and Climate (MCC).

Please find enclosed the following documentation in support of Tervita's application for a Dangerous Goods Handling and Transportation Act (DGHTA) License for a new facility located at 999 Redonda Street, Oakbank MB:

1. Dangerous Goods Handling and Transportation Act Application Form;
2. Environmental Assessment Report (as per the Information Bulletin – Environment Act Proposal Report Guidelines);
3. Hazardous Waste Consignor (Generator) Registration Form; and
4. Application Fee, payable to Minister of Finance.

Should you have any questions or require additional information, please don't hesitate to contact the undersigned at 587-233-3204, alternatively please contact Peter Nelson at pnleson@tervita.com or (403) 234-4875.

Sincerely,

**Tervita Corporation**

Andrea Snodgrass
Advisor, Environment & Regulatory
asnodgrass@tervita.com

# Dangerous Goods Handling and Transportation Act Application Form

Manitoba Sustainable Development

| | |
|---|---|
| Name of facility: Redonda | |
| Legal name of the applicant of the facility: Tervita Corporation | |
| Location (street address, city, town, municipality, legal description): 999 Redonda St. Oakbank, MB<br>NE ¼ 16-11-4 EPM | |
| Name and title of proponent contact person for purposes of the environmental assessment: Andrea Snodgrass, Environment & Regulatory Advisor | |
| Phone: 587-233-3204<br>Fax: | Mailing address:<br>1600, 140-10th Ave SE<br>Calgary AB T2G 0R1 |
| Email address: asnodgrass@tervita.com | |
| Webpage address: | |
| Date: 25-Feb-2020 | Signature of person representing the legal applicant<br>Printed name: Andrea Snodgrass |

**Hazardous Waste Registration Information:**

| | | | |
|---|---|---|---|
| Consignor (Generator) Number: | **MBG** | Or registration form attached | ☑ |
| Consignee (Receiver) Number: | **MBR** | Or registration form attached | ☐ |

A complete Dangerous Goods Handling and Transportation Act application consists of the following components:

- **Cover letter**
- **Dangerous Goods Handling and Transportation Act Application Form**
- **Reports/plans supporting the application***
- **Application fee** (Cheque, payable to Minister of Finance, for the appropriate fee)

Per Dangerous Goods Handling and Transportation Fees Regulation (Manitoba Regulation 164/2001):

Hazardous Waste Storage, Handling and/or Treatment ..... $250

**Submit the complete application to:**

Director
Environmental Approvals Branch
Manitoba Sustainable Development
1007 Century Street
Winnipeg, Manitoba R3H 0W4

**For more information:**
Phone: (204) 945-8321
Fax: (204) 945-5229
http://www.gov.mb.ca/sd/eal

*The required information is described in Information Bulletin - Environment Act Proposal Report Guidelines. The applicant should also take facility impacts on environmental and human health into consideration.

*Dangerous Goods Handling and Transportation Act License Application*

# Tervita Redonda Hazardous Waste and Hazardous Recyclable Processing and Storage Facility

Prepared for

**Manitoba Conservation and Climate (MCC)**

February 25, 2020

Submitted by:

**Tervita Corporation**

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## Attachments

Attachment 1: Site Location Map
Attachment 2: Conditional Use Order 19-18
Attachment 3: Status of Land Title
Attachment 4: Facility Plot Plan
Attachment 5: Manitoba Conservation Data Centre Records
Attachment 6: Groundwater Monitoring Well Location Map

# Executive Summary

As one of the leading Waste Management companies across Canada, Tervita Corporation (Tervita) sets the industry standard for waste management; and as such is diligent on ensuring all waste materials are handled in accordance with the applicable federal and provincial legislation. Tervita's hazardous waste collection facilities limit waste generator's liabilities associated with wastes they produce by ensuring that their wastes are managed safely and efficiently.

Tervita is applying for a license to operate a Hazardous Waste and Hazardous Recyclable Processing and Storage Facility as required by the *Dangerous Goods Handling and Transportation Act* and Regulations. This application has been prepared in accordance with the *Information Bulletin – Environment Act Proposal Report Guidelines,* March 2018 in the form of an Environmental Assessment (EA) report.

**Project Description and Existing Land Use**

The intent of the development is to operate a hazardous waste and recyclable processing and storage facility (the Facility) designed for temporary storage, processing and subsequent transfer of both liquid and solid hazardous and non-hazardous wastes and recyclables. The Facility will be located on a 7-acre plot with an existing warehouse.

The property located at 999 Redonda St., Oakbank MB is zoned Industrial General Zone "MG" under the RM of Springfield Zoning Bylaw No. 08-01 and Conditional Use Order No. 19-18. The Conditional Use Order permits the development and operation of a Hazardous Waste Processing and Storage Facility as a conditional use within the RM of Springfield.

The existing warehouse will be utilized as a mechanical shop and waste transfer station. The Facility will accept hazardous and non-hazardous waste, excluding: explosives (Class 1 Transportation of Dangerous Goods Regulation (TDGR) wastes or radioactive wastes regulated under the *Canadian Nuclear Safety Act*, radioactive wastes (Class 7 TDGR wastes). Wastes received will be processed and/or consolidated prior to transporting to an approved facility for further treatment, and/or recycle or disposal. All wastes received at the Facility are characterized and classified prior to acceptance. The contents of the containers are verified by physically opening the containers, looking at the contents and noting any discrepancies. Samples may be taken and sent to an independent, accredited, third party laboratory if required, to verify the contents.

Exterior storage will consist of multiple sea-can containers adjacent to the Facility for smaller means of containment such as pails, drums and labpacks that are classified as compressed gases, flammable liquids or solids, and oxidizers/organic peroxides. All wastes will be stored based on compatibility to reduce the risk of an incident.

**Potential Effects and Mitigation Measures**

The proposed development is located within an industrial park in the RM of Springfield, with the property's previous use being industrial in nature.

There are no waterbodies, protected areas or heritage resources on our adjacent to the site. The nearest residence is less than 500m from the site.

Environmental impacts attributed to the operation (i.e. air and noise emissions) are considered low risk. Air emissions generated during the operation of the Facility are limited to vehicle/equipment combustion emissions, building heating and venting equipment, and road dust from unpaved roads. These emissions are minimal and mitigated using standard operating procedures which include but are not limited to: minimizing heavy equipment and vehicle idling and applying dust control methods to unpaved roads when necessary. Nuisances such as dust and odors are monitored and identified through regular site inspections and managed accordingly.

Noise emissions generated by heavy equipment and vehicle operation are not expected to increase or impact the neighbouring industrial businesses and facilities. Any noise emissions are mitigated by conducting most activities indoors. Noise emission issues will be monitored through regular site inspections.

The risk of environmental impact due to the storage of hazardous and non-hazardous waste and recyclables is mitigated through facility design, operational procedures and monitoring programs. The following includes but is not limited to measures that are in place to mitigate potential environmental impacts: waste is stored in sealed containers, all waste is transferred at the appropriate designated transfer locations, the Facility is equipped with emergency response equipment and all personnel are trained in emergency response procedures and protocols. In addition, the Facility undergoes routine inspections to ensure all equipment is functioning properly and in good operating condition, and all containers are in good condition.

All wastes generated at the Facility are handled and stored in accordance with the applicable requirements, to ensure no environmental impact is associated with the activity.

**Follow-up Plans/Monitoring and Reporting**

Tervita will employ an annual groundwater monitoring program to monitor the underlying groundwater quality for early detection of impacts and to mitigate potential off-site migration.

The Facility will undergo regular inspections (e.g. daily, weekly, monthly). The inspection intervals chosen are based on the necessity to monitor container storage, property or procedures in relation to health and safety concerns, potential environmental impacts, and manufacturer/operational specifications. In addition, comprehensive internal Health and Safety and Environment and Regulatory audits and inspections are conducted to ensure compliance with internal standards and regulatory requirements.

The Facility will maintain an operating record of all employees and visitors entering and leaving the site including orientation completion and stakeholder concern records.

Tervita facilities maintain waste inventory tracking utilizing a software system. This system is used to track all waste received, repackaged/processed and outbounded from the Facility as well as to generate waste inventory reports required under the Hazardous Waste Regulation 195/2015.

All Facility documentation (e.g. approvals, permits, environmental reports, inspections, etc.), will be maintained electronically for the lifetime of the facility. All transportation documentation (i.e. manifest, bills of lading, truck tickets) will be retained onsite for a minimum of 2 years.

# 1. Introduction and Background

As one of the leading Waste Management companies across Canada, Tervita sets the industry standard for waste management; and as such is diligent on ensuring all waste materials are handled in accordance with the applicable federal and provincial legislation. Tervita's hazardous waste collection facilities limit waste generator's liabilities associated with wastes they produce by ensuring that their wastes are managed safely and efficiently.

Tervita currently operates six Hazardous Waste and Hazardous Recyclables Processing and Storage Facilities across Western Canada, one of which used to be licensed under the *Dangerous Goods Handling and Transportation Act* (DGHTA) at 1199 St. James Street, Winnipeg MB. Tervita operated at this facility for over 10 years with no reportable releases or complaints made against facility operations from adjacent landowners.

Tervita Corporation (Tervita) has prepared this Environmental Assessment (EA) Report for the property located at 999 Redonda Street in the Rural Municipality (RM) of Springfield, Manitoba (Attachment 1). The purpose of the EA Report is to provide Manitoba Sustainable Development (MSD) with the necessary information to support a DGHTA application in support of the proposed development of the Hazardous Waste and Hazardous Recyclables Processing and Storage Facility.

## 1.1 Background

The proposed Facility is located at 999 Redonda Street in the RM of Springfield, Manitoba. The proposed facility will be operated by Tervita.

Tervita is proposing to utilize the existing infrastructure on-site for the operation of a hazardous waste processing and storage facility in addition to the following that Tervita will add:

- An administrative office trailer, and
- Secure sea-containers for small means of containment storage.

The current infrastructure on-site is already designed to accommodate a shop and container storage/processing area.

Tervita will not allow for drop-off of household hazardous wastes or hazardous recyclables by the public/community members. The subject property with be used for processing, storage, and subsequent transfer to an authorized disposal facility. No waste will be discharged or disposed of on-site.

## 1.2 Previous Studies

Tervita is aware of the following previous studies completed for the subject property or nearby properties:

- "Xpotential Plant Fire – Environmental Monitoring" dated 10 November 2006. Prepared for Manitoba Conservation and Climate (formally Manitoba Conservation) by Wardrop Engineering.

  *Wardrop determined that it would be unlikely that any significant environmental effects remained after the fire.*

- "Automobile Shredder Residue Storage Area Decommissioning – Environmental Monitoring Results" dated July 2010. Prepared for Xpotential Products Inc. by Wardrop Engineering.

  *Wardrop concluded that based on the analytical soil and groundwater testing, the storage of Automobile Shredder Residue (ASR) material at the property between 1997 and 2010 did not result in significant impacts to soil or groundwater quality and that further study or remediation was not required for continued use of the property for industrial purposes.*

- "Xpotential Products Inc. at 999 Redonda Street, RM of Springfield, Manitoba – License No. 2143 S3 RR – Cancelled" dated 4 Sept 2019. Prepared by Manitoba Conservation and Climate (formally Manitoba Conservation) for Xpotential Products Inc.

  *The decommissioning protocols included within the Environmental Act Licence were satisfactorily met, allowing for the cancellation of the Licence.*

### 1.3 Previous Authorizations

A Conditional Use Order No. 19-18 (Attachment 2) was obtained from the RM of Springfield on September 16, 2019.

# 2. Description of Proposed Development

## 2.1 Legal Land Description

The current owner of the subject property is Xpotential Products Inc.

The legal description of the property is Lot 1 Plan 29953 WLTO within NE ¼ 16-11-4 EPM. A copy of the Status of the Land Title is provided in Attachment 3.

## 2.2 Existing Land Use and Zoning

The property is zoned Industrial General Zone "MG" under the RM of Springfield Zoning Bylaw No. 08-01 and Conditional Use Order No. 19-18. The Conditional Use Order permits the development and operation of a Hazardous Waste Processing and Storage Facility.

## 2.3 Adjacent Land Use and Zoning

Adjacent Land Use and Zoning is Industrial General Zone "MG" under the RM of Springfield Zoning Bylaw No. 08-01. The East and South of the property includes CN Rail and manufacturing/freight management businesses. To the West of the property, is undeveloped grassland owned by Xpotential, with additional industrial facilities located beyond.

## 2.4 Project Description

The intent of the development is to operate a hazardous waste and recyclable processing and storage facility designed for temporary storage, processing and subsequent transfer of both liquid and solid hazardous and non-hazardous wastes and recyclables. The facility will be located on a 7-acre plot with an existing warehouse.

Facility Operations are described below:

Transfer Station (Facility) operations include conducting the processing operations described below in Sections 2.4.2 and 2.4.3. These activities are related to receiving containerized waste (both large and small) for the purpose of consolidation and transfer offsite to an approved recycling or disposal facility.

### *2.4.1 Administrative Building*

Six mobile office trailers will form an administrative building onsite. The Administrative building will house all facility employees and visitors. The placement of this complex will be approved by the RM of Springfield through a Development Permit, once the DGHTA license is received.

### *2.4.2 Mechanical Shop /Transfer Station*

An existing 26,136 $ft^2$ warehouse will be separated into a mechanical shop and waste transfer station. The shop will be used to store and service heavy equipment, whereas the waste transfer station will be used to temporarily store and consolidate containerized waste (both hazardous and

non-hazardous). Storage areas within the waste transfer station will include a bins and drum storage area as described in the sections below.

The following sections describe activities that will occur onsite (Transfer Station Operations):

### *2.4.3 Containerized Processing Operations:*

The Facility will accept hazardous and non-hazardous waste, excluding: explosives (Class 1 Transportation of Dangerous Goods Regulation (TDGR) wastes or radioactive wastes regulated under the *Canadian Nuclear Safety Act*, radioactive wastes (Class 7 TDGR wastes). Wastes received will be processed and/or consolidated prior to transporting to an approved facility for further treatment, and/or recycle or disposal. All wastes received at the Facility are characterized and classified prior to acceptance. The contents of the containers are verified by physically opening the containers, looking at the contents and noting any discrepancies. Samples may be taken and sent to an independent, accredited, third party laboratory if required, to verify the contents. Industrial containerized processing activities that may occur at the Facility include:

- Comingling to make maximum use of available container or tank capacity, provided that the resultant mixture has the same hazardous classification as any of the individual components;
- Physical segregation of hazardous from non-hazardous articles or components from the same container; and
- Crushing or shredding of filters or absorbents for volume reduction and liquid/metal recovery.

**Containerized Waste**: Drums, pails, sling bags and steel bins (up to 2.7m3) will be unloaded on the loading/unloading area for receiving and then transferred to the transfer station for handling, consolidation and storage depending on the waste stream.

**Small containers of waste**: Pails or partially full drums may be consolidated into drums or packaged in a labpack depending on the characteristics of the waste material. This will be completed in the waste transfer station.

**Empty Containers**: will be emptied to the greatest possible extent and stored. Both metal and plastic empty containers will be stored outside until sufficient volumes for delivery to a local recycling facility.

**Non-Conforming Waste:** a non-conformance event occurs when waste is received at the Facility and does not match the documentation provided, or waste is received with improper documentation. Non-conforming waste is quarantined within the waste storage area described below, until waste characterization and documentation are confirmed. All non-conformance events are documented and reported to the Facility Supervisor or delegate.

The following list includes but is not limited to the Standard Operating Procedures (SOPs) to be implemented at the facility:

- WS-HSE-SOP-1163 Container Labeling
- WS-HSE-SOP-1028 Container Contents Verification
- WS-HSE-SOP-1047 Drum Contents Verification (Liquids-Sludges)
- WS-HSE-SOP-1048 Drum Contents Verification (Solids)

- WS-HSE-SOP-1071 Identification of Unknowns for the purpose of Transport and Disposal
- WS-HSE-STN-0702 Hazardous Waste Storage Requirements
- WS-HSE-SOP-1027 Compressed Gas Cylinder Receiving and Storage
- WS-HSE-SOP-1050 Drum Handling
- WS-HSE-SOP-1083 Lithium Battery Handling
- WS-HSE-SOP-1126 Sour Waste Handling
- WS-HSE-SOP-1029 Contaminated Soil (Alberta Upstream Generated) Handling
- WS-HSE-SOP-1030 Contaminated Soil (from outside of Alberta) Handling
- WS-HSE-SOP-1087 Mercaptan Waste Handling
- WS-HSE-SOP-1125 Solids Contaminated with Flammable Liquids Handling
- WS-HSE-SOP-0705 Flammable Liquids Storage
- WS-HSE-SOP-1128 Suspected Spontaneous (self-heating) Filters Handling
- WS-HSE-SOP-1057 Filter Classification
- CO-HSE-STN-0733 Asbestos Code of Practice
- WS-HSE-SOP-0704 Asbestos Handling
- WS-HSE-SOP-1077 Liquid Bulking (Generic)
- WS-HSE-SOP-1078 Liquid Bulking (Toxic)
- WS-HSE-SOP-1166 Flammable Liquids Bulking
- WS-HSE-SOP-1032 Corrosive Liquid Bulking (Small Quantity)
- WS-HSE-SOP-1129 Tank Bulking
- WS-HSE-SOP-1131 Tank to Tank Liquids Transfer
- WS-HSE-SOP-1171 Labpacking
- WS-HSE-SUP-0706 Labpack Sheet
- WS-HSE-SOP-1075 Leaking Containers
- WS-HSE-SOP-1204 Poly Shredding
- WS-HSE-SOP-1011 Battery Repack
- WS-HSE-SUP-0704 Repack Sheet
- WS-HSE-SOP-1054 End Dump and Bulk Truck Loading
- WS-HSE-SOP-1013 Bin Turning
- WS-HSE-SOP-1142 Waste Quarantine
- WS-HSE-SOP-1126 Sour Waste Handling
- WS-HSE-SUP-0705 Non-Conformance Report
- WS-HSE-SOP-1067 Forklift Operation

In addition, all of Tervita's Hazardous Waste Storage and Processing Facilities are required to implement and follow a Transfer Station Operations Plan. The Operations Plan is written to align with the Acts, Regulations, and permits governing the management of Hazardous Waste Management Facilities; which in Manitoba includes but not limited to:

- *Dangerous Goods Handling and Transportation Act*
- *Waste Management Facilities Regulation*
- *Hazardous Waste Regulation*

The Operations Plan is reviewed and updated annually or when a critical task/procedure at the facility is modified and/or added.

#### *2.4.3.1 Storage Infrastructure*

Tervita is applying for approval to store and/or process mixed material including hazardous waste, oilfield waste, hazardous recyclables and non-hazardous waste and recyclables. At no time will Tervita store explosives or radioactive materials at the Facility. Wastes requiring special handling and/or storage will be within the exterior storage area as described below. Please refer to Table 1 for the waste streams and corresponding storage location and volume.

#### *2.4.3.2 Interior Transfer Station Container Storage Area*

The container storage area inside the Transfer Station will be used for the temporary storage of not more than 175$m^3$ of hazardous waste and hazardous recyclables in containers such as steel bins, drums, totes and small containers (i.e. 5L and 20L pails).

The overall liquid containment capacity of the container storage area is approximately 192$m^3$ and used to store containers awaiting further consolidation/processing and sampling.

#### *2.4.3.3 Exterior Container Storage Area*

All containerized waste stored outside of the Transfer Station is contained within sealed bins/drums and located in the waste storage sea-containers. Waste requiring special handling/storage (e.g. Oxidizers) will also be stored outside in sea-containers to which it is segregated from other waste streams and in accordance with applicable regulations. All other waste will be stored inside the Transfer Station. The maximum containment capacity of each exterior storage area (sea-container) is 4.53$m^3$.

Please refer to Attachment 4 for the Facility Plot Plan which identifies the storage infrastructure described above.

Table 1: Summary of Wastes in Container Storage

| **Storage Location** | **Waste Type (TDG Class where applicable)** | **Maximum Liquid Containment (L)** |
|---|---|---|
| Interior Container Storage Area | Toxic Liquids and Solids (Class 6.1)<br>Corrosive Liquids and Solids (Class 8)<br>Asbestos containing material (Class 9)<br>Waste Batteries (Class 9, Class 8)<br>Leachable Toxic Liquids and Solids | 192,000 |

| | | |
|---|---|---|
| | Antifreeze, Glycols, Oil Filters, Labpacks | |
| Exterior Container Storage Area (Sea-Can #1) | Non-Flammable Compressed Gases (Class 2)<br>Flammable Compressed Gases (Class 2.1) | 4,530 |
| Exterior Container Storage Area (Sea-Can #2) | Flammable Liquids (Class 3)<br>Flammable Solids (Class 4.1)<br>Self-Heating Solids (Class 4.2) | 4,530 |
| Exterior Container Storage Area (Sea-Can #3) | Oxidizing Liquids and Solids (Class 5.1)<br>Organic Peroxides (Class 5.2) | 4,530 |
| Non-Hazardous Exterior Container Storage Area (See Plot Plan) | Non-Regulated (Non-Hazardous) Liquids and Solids | N/A |

### *2.4.4 Transfer Station Containment System*

The perimeter of the Transfer Station will be equipped with a 0.3m high impermeable (concrete) containment berm to contain any releases from containers that occur within the container storage area. The Container Storage area will be limited to storing no more than 175 m3 of liquids to ensure the containment system provides 110% of the total volumes of liquids stored (192 m3).

A 2ft x 2ft collection sump with a manhole access point is located in the centre of the warehouse to accommodate any releases within the building. Tervita intends on constructing an additional larger sump system for the wastewater collection within the Transfer Station that will be equipped with a sump pump to automatically draw fluids at a certain level into a storage tank.

### *2.4.5 Wash Bay*

The proposed wash bay will be located within the transfers station and used to clean containers that once contained waste (hazardous and non-hazardous). A forklift is used to transport the container to and from the wash bay area. A pressure washer (internal combustion engine with burner) is used to clean the interior and exterior of the containers, and in some instances a degreaser or scrub brush may be used for heavy oils and/or fixed contaminants. Once the containers are cleaned, they undergo an inspection for leaks, seals, latches, lid prop mechanism, and lids, which is recorded and retained onsite.

The wastewater generated through wash bay activities will be managed via the wastewater collection system inside the Transfer Station, which includes a sump and tank system as described above. This activity will not commence until an additional sump system is constructed within the

Transfer Station. Once construction drawings/plans for the system is available, Tervita can provide them to Manitoba Conservation and Climate upon request.

Tervita implements the following Standard Operating Procedures for this operation including an inspection procedure:

- WS-HSE-SOP-1012 Bin Cleaning
- WS-HSE-SOP-1112 Pressure Washer Operations

#### *2.4.6 Waste Disposal*

All wastes and or recyclables generated onsite will be managed in the same manner as received waste/recyclables, transported to the appropriate approved disposal/recycling facility.

#### *2.4.7 Storm Water Management*

Tervita contracted Barnes & Duncan an engineering firm to analyze the storm water management characteristics of the site. Barnes & Duncan provided a proposal to Tervita to develop new swales on the property including extending and widening existing ones to manage surface water run-off during a 25-year storm event. The modeling was completed through Autodesk Storm and Sanitary Analysis using the SCS TR-20 hydrologic method, and calculations confirmed using the SSA software and the Isochrone Method. The report concluded that the proposed site drainage post-development will be sufficient to manage a 25-year peak release (Barnes & Duncan, 2020).

Regardless of the outcome of the surface water management report provided by Barnes & Duncan, Tervita is committed to ensuring environmental controls for managing surface water at all facilities are established and implemented. Effective controls are site specific in accordance with operations to ensure appropriate diversion, collection, containment and disposal/discharge of surface water (run-on, run-off and stormwater). Based on the Drainage Plan report provided by Barnes & Duncan, no further infrastructure (i.e. collection/retention pond) is required to be constructed at this time at the facility.

The following Standards and Standard Operating Procedures are in place to ensure surface water is managed accordingly onsite:

- CO-HSE-STN-0759 Surface Water Management
- WS-HSE-SOP-1135 Transfer Station Precipitation Management

### 2.5 Site Security

The perimeter of the Facility will be equipped with chain linked face and gated to prevent unauthorized access. When the site is unmanned (outside of operating hours), the facility will be monitored through an onsite security system otherwise a designated local employee will be on call

in the event on an incident. Contact phone numbers, including information (waste inventory) for the Fire Department will be available on the outside of the fence in the event of an emergency.

## 2.6 Funding

No third-party funding has been obtained for the proposed development.

## 2.7 Approvals, Licenses and Permits

Tervita currently holds a Hazardous Waste Carrier through Manitoba Conservation and Climate that will require an amendment to reflect Tervita's change of address to 999 Redonda St.

To operate the Hazardous Waste Processing and Storage Facility, Tervita will be required to obtain the following approvals, licenses and/or permits:

- Dangerous Goods Handling and Transportation Act Licence;
- Hazardous Waste Receiver Registration;
- Hazardous Waste Generator Registration;
- RM of Springfield Development Permit; and
- RM of Springfield Occupancy Permit

## 2.8 Public Advertisement

If directed by Manitoba Conservation and Climate, Tervita will prepare a publish a notice describing the development of the facility in the corresponding regional paper.

# 3. Description of Existing Environment

## 3.1 Biophysical Environment

### *3.1.1 Ecological Land Classification*

The proposed development is located approximately 0.9km from the City of Winnipeg border. As such, it is situated in the Lake Manitoba Plain Ecoregion under the Prairie Ecozone as per Manitoba Sustainable Development Environment and Biodiversity.

### *3.1.2 Climate and Meteorological Conditions*

Canadian Climate Normals data for 1981-2010 was obtained from Environment Canada for the Oakbank Manitoba Station (5022051) located approximately 9 km from the proposed facility. The data collected from this station is limited, but found in the table below (Canada, 2019):

| Climate Normals - Oakbank 1981-2010 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Description** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** |
| Extreme Maximum Temp (°C) | 5 | 9.4 | 21.1 | 28.9 | 33.9 | 36.7 | 34.4 | 36.1 | 35.6 | 28.9 | 19.4 | 8.9 |
| Extreme Minimum Temp (°C) | -46.7 | -45.6 | -36.7 | -26.1 | -12.8 | -3.3 | 0.6 | -3.3 | -10 | -18.3 | -35.6 | -41.7 |
| Precipitation (mm) | 31.7 | 18.7 | 30.6 | 32.7 | 83 | 107.1 | 98 | 82.6 | 56.3 | 43.5 | 33.5 | 32.1 |
| Rainfall (mm) | 0.4 | 2.6 | 13.4 | 18.6 | 80.4 | 107.1 | 98 | 82.6 | 56.2 | 35.4 | 8.5 | 1.1 |
| Snowfall (cm) | 31.4 | 16.1 | 17.3 | 14.1 | 2.6 | 0 | 0 | 0 | 0.1 | 8.1 | 25.1 | 31 |

### *3.1.3 Topography*

The topography of the site is relatively flat, however there's a gentle slope toward the south southwest.

### *3.1.4 Geology*

As per the Phase I Environmental Site Assessment (ESA) for the subject property, the subsurface stratigraphy in this area of the RM of Springfield normally consists of topsoil and fill materials underlain by glacio-lacustrine silt and clay to a dept of approximately 9 to 12 metres from grade.

A Phase II ESA was conducted on site January 2020. Based on the results of the grain size analysis, native soils at the Site are predominantly fine-grained in nature and as such was characterized as fine-grained for the purpose of the ESA (Wood, 2020).

### *3.1.5 Hydrology and Hydrogeology*

As per the Phase I ESA, it is anticipated that overland storm water collected at the site would flow south southwest or remain standing and percolate into the surface. Due to the site topography and elevation of the existing infrastructure onsite (i.e. asphalt aprons), the surface water mainly drains to the fronting Redonda Street ditch (southwest), however there is existing swales north and south of the developed portion of the site used for drainage (Barnes & Duncan, 2020).

A Phase II ESA was conducted onsite between December 2019 and January 2020 which included six test holes being completed as groundwater monitoring wells. The wells were used to measure subsurface vapour levels, establish groundwater conditions onsite and to allow for groundwater sampling. The depth to groundwater measured ranged from 1.84 metres below ground-level (mbgl) to 4.52 mbgl. In general, given the low conductivity of the surficial soils, description of the groundwater flow is difficult and impacted by seasonal precipitation, and local variations in run-off and topography. It is likely groundwater follows topography to the south-southwest (Wood, 2020).

The nearest water bodies are retention ponds approximately 1.1 km southwest of the site and the Red River floodway is located approximately 927m east of the site.

### *3.1.6 Vegetation*

During the Phase I ESA, most of the site was observed to be paved however due to snow cover at the time of inspection, vegetation in the area could not be fully observed. High resolution satellite imagery of the Site and communication with Site personnel revealed the vegetation in the area along the North fence-line adjacent to the railway tracks to consist of common grasses generally kept mown during the growing season. Additionally, the grass medians/boulevards adjacent to Redonda were observed to be comprised of common lawn grasses maintained in a mown state.

The Manitoba Conservation Data Centre (MBCDC) maintains a list of plant species of conservation concern in the province. Please refer to Attachment 5 (MBCDC Records) for the MBCDC list of plants in the Lake Manitoba Plains Ecoregion which encompasses the site.

Due to the general nature of the property and surrounding area (industrial), and the lack of trees and other vegetation, the potential for the species of conservation concern to be present on or around the property is low.

### *3.1.7 Wildlife*

Mammals and birds normally observed within industrial areas include rodents, crows and robins. Amphibians and reptiles may be present in neighboring ditches and low-lying areas.

The MBCDC maintains a list of wildlife (e.g. amphibians, mammals, birds, reptiles) of conservation concern in the province. Please refer to Attachment 5 (MBCDC Records) for the MBDC list of wildlife in the Lake Manitoba Plains Ecoregion which encompasses the site.

Due to the general nature of the property and surrounding area (industrial), perimeter fencing and lack of suitable habitat it is unlikely that wildlife of conservation concern resides on or around the property.

### *3.1.8 Aquatic Species and Habitat*

There are no surface water bodies on the property. The nearest water bodies are retention ponds approximately 1.1 km southwest of the site and the Red River floodway is located approximately 927m east of the site. The proposed development is not anticipated to impact these waterbodies.

## 3.2 Socio-Economic Environment

| **Information** | **Description** |
|---|---|
| Protected Areas | The Duff Roblin Provincial Park is located approximately 5km from the proposed site. (Development, List of Protected Areas, n.d.) |
| Heritage Resources | Tervita reviewed the Municipal Heritage Sites webpage via Manitoba Historic Resources Branch. The nearest heritage site (no. 163) is located at SW 30-11-15E. (Manitoba, n.d.) |
| Indigenous Communities | The Peguis First Nation is located approximately 19 km SW of the proposed facility. |
| Schools | There are no schools located within 1km of the proposed facility. The closest is Harold Hatcher Elementary, approximately 2km from the proposed facility. |
| Residential | The nearest residential property is approximately 300m from the road entrance to the proposed facility |
| Existing Public Safety Concerns | During the public hearing process of applying for approval from the RM of Springfield to operate the facility under a Conditional Use Order, there were concerns raised by the public. Tervita provided an educational presentation during a public hearing on August 29, 2019 to address the public safety concerns. No other public safety concerns were identified. |
| Human Health Risks | There were no existing human health risks identified. |

# 4. Potential Environmental Effects & Mitigation Measures

## 4.1 Air Emissions

Air emissions that may result from the operation of the facility are limited to vehicle/equipment combustion emissions, building heating and venting equipment and road dust from unpaved roads. These types of emissions generally consist of Nitrogen oxides (NOx), Carbon monoxide (CO), particulate matter (PM), volatile organic compounds (VOCs) and Sulphur dioxide (SO2) at levels low enough that air quality is not negatively impacted.

Emissions being generated at the site are minimal and mitigated using the following standard operating practices:

- All waste is classified and characterized prior to arriving to site and if found to be odorous, appropriate measures are taken to mitigate the odors;
- Minimizing heavy equipment and vehicle idling; and
- Applying dust control methods to unpaved access roads to the facility, as necessary.

Nuisances such as dust and odors are monitored and identified during regular site inspections and managed accordingly.

Tervita monitors and participates in the annual National Pollutant Release Inventory for facilities that meet the criteria to report:

- The facility employees work more than 20,000 hours per year, or
- The facility participates in certain pollutant releasing activities such as incineration, wastewater treatment or fuel combustion, or
- The facility manufactures, processes, uses or releases NPRI substances above reporting thresholds.

Tervita's operations in Manitoba have not met any of the three criteria listed above (since 2008), and therefore have not reported to NPRI. Tervita will continue to monitor this operation at 999 Redonda St. and report to NPRI accordingly.

## 4.2 Noise Emissions

The facility is located in an industrial area, and neighboring properties are also used for industrial business, including the adjacent CN rail line. Any potential noise emissions generated through heavy equipment operations are minimal and aren't expected to increase or impact the neighbouring businesses and facilities. Any potential noise emissions are mitigated by conducting most activities indoors. Issues are identified and monitored through regular site inspections.

## 4.3 Hazardous and Non-Hazardous waste

As described in Section 2.4.2.2, examples of hazardous and non-hazardous wastes to be received at the facility include but are not limited to, absorbents, batteries, aerosols, glycols, paints, labpacks, fluorescent light tubes, and contaminated soils.

The risk of environmental impact due to the storage of hazardous waste is mitigated through facility design, operational procedures and monitoring programs. As noted in Section 2.4.4, the interior waste storage area is contained within a building equipped with a wastewater control system. The wastewater control system is comprised of a sump that transfers the collected waters to a storage tank, and all waste onsite is stored within primary and secondary containment.

Internal processes and procedures are used to ensure proper handling of materials for processing and address any incidents that may have the potential to compromise the environment (i.e. a spill). Onsite monitoring ensures that operational procedures and day to day activities are being conducted properly to mitigate the chance of a release. Routine inspections are completed on a scheduled basis to ensure all equipment is functioning correctly and in good operating condition, as well as container inspections are done daily to monitor integrity. All deficiencies identified during inspections will be relayed to applicable personnel and rectified through an action plan.

Wastes are shipped out of the Facility when the volume of waste reaches an amount that makes it economical to do so. The Facility attempts to minimize the time that material is stored onsite.

In addition to the above, the following measures are in place to mitigate impacts to the environment:

- Waste is stored in sealed containers;
- Spills are cleaned up immediately upon detections;
- All waste is transferred at the appropriate designated transfer location;
- All personnel are trained in emergency response procedures and protocols;
- The site will be equipped with spill response equipment; and
- The site is equipped with a site-specific Emergency Response Plan and Fire Safety Plan

All wastes generated at the facility will be handled and stored in accordance to the applicable requirements to ensure no environmental impact is associated with the activity (i.e. in means of containment, onsite storage tanks, etc.).

## 4.4 Stormwater Monitoring and Disposal

Since Tervita will not be storing hazardous wastes outside of secondary containment outside on the existing asphalt apron, and therefore removes the risk of contaminating any run-off or run-on, additional storm water management infrastructure (outside of Barnes & Duncan recommendations) will not be constructed. Based on the Drainage Plan prepared by Barnes & Duncan, the site can withstand and direct a 25-year storm event offsite without any implications to the surrounding environment (i.e. erosion from high flow). That said, stormwater will not be collected and monitored/sampled onsite. In the event Tervita wishes to change the outdoor activities onsite, Tervita will reassess the stormwater management protocol onsite.

### 4.5 Decommissioning Procedures

In the event the facility shall undergo closure, Tervita will notify Manitoba Conservation and Climate as well as prepare a Decommissioning Plan for submission to the Director.

In summary, Tervita would conduct the following actions to return the facility to its original state:

- Dispose of any waste inventory that remains onsite;
- Remove all tanks and/or infrastructure onsite;
- Clean the waste transfer/storage areas, including purging and washing any onsite tanks;
- Conduct a detailed Phase 2 Environmental Site Assessment to identify any potential sources of contamination (if applicable) through comparison of a baseline Environmental Site Assessment report;
- Conduct recommended remedial activities identified in the ESA (if applicable); and
- Obtain third party verification that closure objectives have been met (if applicable).

Since the Facility was previously used as an industrial warehouse, and is within the general industrial zoning district, Tervita does not intend on conducting any demolition activities should the facility undergo closure – instead Tervita would return it to its original state to accommodate industrial business.

### 4.6 Socio-Economic Effects

Socio-economic effect for the proposed development is limited to the increase in traffic to and from the Facility. The operation of this facility will bring economic value to the community, providing employment opportunities and cost-efficient waste management opportunities for nearby hazardous waste generators.

### 4.7 Health and Safety

Tervita's Health, Safety and Environment Management System (HSEMS) Manual supports achievement of Tervita's HSE Policy, and outlines the required approach to managing potential health, safety and environment impacts associated with Tervita's diverse operations. Tervita's employees are expected to apply the work practices and procedures within the HSEMS that apply to their daily work activities.

Tervita facility personnel will receive training that complies with all relevant regulations and laws. In addition to any legislated requirements, Facility staff will receive any training or certification deemed necessary by Tervita, as per HSEMS. This training may include but not limited to:

1) First Aid/CPR;
2) H2S Alive;
3) Workplace Hazardous Materials Information System (WHMIS);
4) Transportation of Dangerous Goods (TDG);
5) Tervita Labpacking Training;
6) Tervita Shipping Documentation Training;
7) Forklift Safety;

8) Confined Space;
9) Heavy Equipment Certification;
10) Fit Testing;
11) Respirator use and care;
12) Emergency Preparedness and Response;
13) Hazard and Risk Management;
15) Asbestos Awareness;
16) Personal Protective Equipment;
17) Facility orientation; and
18) ICS 100 Incident Command System Training

In addition to a Fire Safety Plan (as required by the RM of Springfield), the Facility will also implement and maintain an updated Site-Specific Emergency Response Plan which outlines specific incident response measures (e.g. fire, release) and includes emergency contact information.

### 4.8 Residual Environmental Effects

There are no anticipated residual effects as a result of the proposed Hazardous Waste and Hazardous Recyclables Processing and Storage Facility.

# 5. Monitoring & Reporting

## 5.1 Environmental Monitoring Programs

### *5.1.1 Groundwater Monitoring Program*

During the Phase II ESA in 2020, all groundwater monitoring samples were found to have the chemical analytical results below applicable groundwater quality guidelines. Based on the exposure pathways identified for groundwater, no risks to human or environmental health have been identified (Wood, 2020).

In accordance with Conditional Use Order 18-19, the Facility will employ a groundwater monitoring program to monitor the underlying groundwater quality for early detection of impacts and to mitigate potential off-site migration. The monitoring network will consist of 6 monitoring wells to be monitored and sampled once per year and analyzed for the following parameters:

- Routine Chemistry (e.g. major ions, physical parameters, etc.)
- Dissolved Metals
- Benzene, Toluene, Ethylbenzene and Xylene (BTEX)
- Petroleum Hydrocarbons (PHC) Fractions F1-F4

Please refer to Attachment 6 for the Monitoring Well Location Plan. All monitoring and results will be available to the MCC upon request.

## 5.2 Facility Inspections and Audits

Facility personnel are responsible for carrying out regular inspections at the appropriate scheduled intervals (e.g. daily, weekly, monthly). These inspection intervals are based on the necessity to monitor container storage, property or procedures in relation to health and safety concerns, potential environmental impacts, and manufacturer/operational specifications. In addition, comprehensive internal Health and Safety and Environment and Regulatory audits and inspections are conducted to ensure compliance with internal standards and regulatory requirements. All inspection requirements are outlined within Tervita's HSEMS Manual.

## 5.3 Record Keeping

### *5.3.1 Facility Operating Record*

The Facility will maintain a record of all site visitors and visitor/employee orientation completion. The visitors log documents the name, company/organization, date and time of visit for the visitor.

All stakeholder concerns, including regulator contact (site tours, drop-in visits, phone calls and inspections), are documented and reported to the appropriate personnel. Tervita's policy regarding stakeholder concerns is captured within the HSEMS Manual.

### *5.3.2 Waste Inventory Tracking*

Tervita facilities utilize a software program for waste tracking purposes. The applicable Facility personnel (e.g. receiving technicians) are trained in the software to ensure all inbound, processed and outbound waste is tracked accordingly. The Facility is required to maintain and up to date waste inventory at all times to ensure compliance with the corresponding facility storage capacity limits outlined in the operating license.

The following information is collected and tracked for each waste stream received, repackaged and outbounded at the Facility:

- Date,
- Transportation document identification number,
- Generator Name and Location,
- Waste Classification/Shipping Name,
- TDG UN No. and Class (if applicable),
- Physical State,
- Container type,
- Weight (kg),
- Container/Load specific identification number,
- Final Destination, and
- Outbound transportation document identification number.

The information collected and tracked in this system is used for reporting purposes and available upon request.

## 5.4 Reporting

### *5.4.1 Annual Waste Receiver Report*

In accordance with subsections 26(1) and 26(2) of the Hazardous Waste Regulation 195/2015, Tervita will prepare and submit an Annual Waste Receiver Report by March 31 of each year following the year being reported; which contains the following information:

- Calendar Year Reported
- Facility/Operation Name
- Dangerous Goods Handling and Transportation Act Licence No.
- Manitoba Generator Registration No.
- Manitoba Receiver Registration No.
- Source (Generator ID or equivalent)
- Waste Type (UN No. or Provincial Waste Code)
- Quantity Received
- Method of Disposal or Recycling

- Final In-Province or out of Province Destination of Waste
- Certification

The reports are prepared using the Annual Hazardous Waste Receiver Report Form, and a copy retained at the facility.

### *5.4.2 Environmental Accident Reporting*

Tervita implements an Environmental Accident Reporting Standard under the HSEMS which outlines the process for reporting an environmental accident as per the Manitoba Environmental Accident Reporting Regulation 439/87, as amended.

In summary, all environmental accidents are reported verbally to the Manitoba Department of Environment and Workplace Safety and Health (204-944-4888); or the local police or fire department as appropriate. Within 7-days of the occurrence, Tervita will file a written report to the Director concerning the spill and any actions taken.

Tervita adheres to all other applicable federal release reporting requirements including the Transportation of Dangerous Goods Regulations (TDGR), when applicable.

### *5.4.3 Document Retention*

All Facility documentation including the Facility regulatory approvals, permits, environmental reports, inspections, etc., will be maintained electronically for the lifetime of the facility.

All transportation documentation (i.e. manifests, bills of lading, truck tickets) will be retained onsite for a minimum of two years.

## 6. References


Barnes & Duncan. (2020). *19-1234 999 Redonda Storm Water Runoff Analysis.*

Canada, G. o. (2019, December 04). *Canadian Climate Normals 1981-2010 Station Data*. Retrieved January 2020, from Climate Normals & Averages: https://climate.weather.gc.ca/climate_normals/results_1981_2010_e.html?searchType=stnName&txtStationName=oakbank&searchMethod=contains&txtCentralLatMin=0&txtCentralLatSec=0&txtCentralLongMin=0&txtCentralLongSec=0&stnID=3641&dispBack=1

Development, M. S. (n.d.). *Conservation Data Centre*. Retrieved January 2020, from Environment and Biodiversity: https://www.gov.mb.ca/sd/environment_and_biodiversity/cdc/index.html

Development, M. S. (n.d.). *Conservational Data Centre Species List*. Retrieved January 2020, from Sustainable Development: https://www.gov.mb.ca/sd/environment_and_biodiversity/cdc/ecoregions/index.html

Development, M. S. (n.d.). *List of Protected Areas*. Retrieved January 2020, from Sustainable Development: https://www.gov.mb.ca/sd/environment_and_biodiversity/protected_areas/protected-areas-tbl/index.html

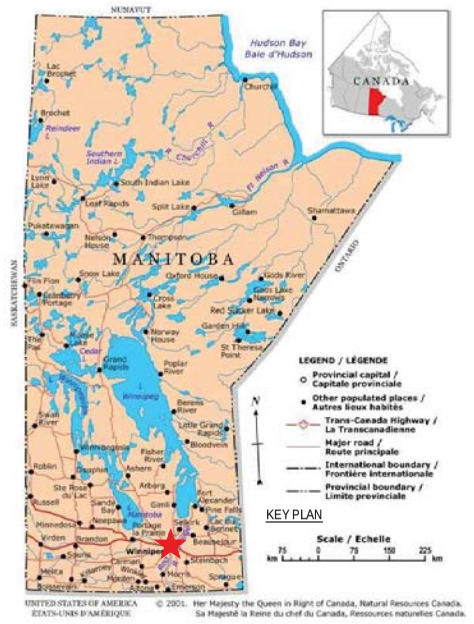
Manitoba, G. o. (n.d.). *Environment and Biodiversity*. Retrieved January 2020, from Sustainable Development: https://www.gov.mb.ca/sd/environment_and_biodiversity/cdc/index.html

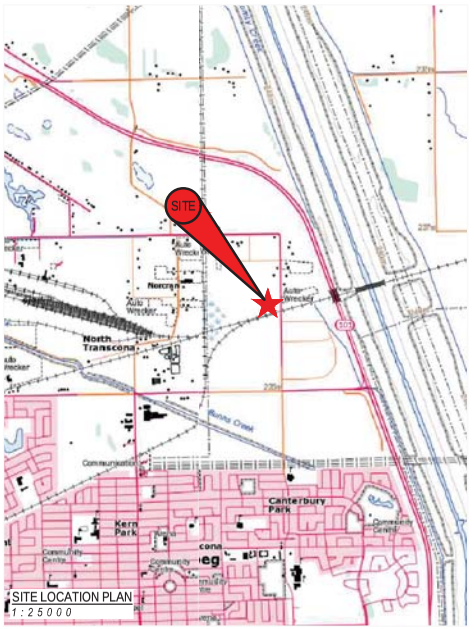
Manitoba, G. o. (n.d.). *Manitoba Historical Resources Branch*. Retrieved January 2020, from Municipal Hertigate Sites: https://www.gov.mb.ca/chc/hrb/mun/index.html

NatureServe. (n.d.). *Conservation Status Assessment*. Retrieved January 2020, from NatureServe: https://www.natureserve.org/conservation-tools/conservation-status-assessment

Wood. (2020). *Phase II Environmental Site Assessment 999 Redonda Street, Rural Municipality of Springfield Oakbank, Manitoba.*

**Attachment 1: Site Location Map**





wood.
440 DOVERCOURT DRIVE
WINNIPEG, MANITOBA R3Y 1N4
PHONE: 204.488.2997 FAX:204.489.8261

TERVITA CORPORATION

LEGEND:
APPROXIMATE PROPERTY LINE

NOTE:
- SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
- IMAGES FROM AUTODESK IMAGERY AND TOPO MAP.

| NO. | REVISION | DATE | BY |
|---|---|---|---|
| | | | |
| | | | |

PHASE II ENVIRONMENTAL SITE ASSESSMENT

999 REDONDA STREET
RURAL MUNICIPALITY OF SPRINGFIELD
OAKBANK, MANITOBA

SITE AND SURROUNDING LAND USE PLAN

| | |
|---|---|
| SCALE: | AS SHOWN |
| DATE: | FEBRUARY 2020 |
| DRAWN BY: | MD |
| PROJECT NO.: | WX18979 |

FIGURE 1

**Attachment 2: RM of Springfield Conditional Use Order 19-18**

Rural Municipality of Springfield
Planning & Development
Unit 1-686 Main Street
Box 219
Oakbank, Manitoba, Canada
R0E 1J0
Phone: (204) 444-3824
Fax: (204) 444-7440

September 16, 2019

Tervita Corporation
1600-140, 10th Ave SE
Calgary AB T2G 0R1

**Re: Conditional Use No. 19-18 - Petition**
**Lot 1 Plan 29953 W.L.T.O. within NE ¼ 16-11-4 EPM**
**999 Redonda St, Oakbank Manitoba**
**Roll No. 71700**

Enclosed please find a signed copy of Conditional Use Order No. 19-18 for your records.

The list of signatures supporting your proposal has been received as information and the signatories will not been advised of the results of the public hearing.

If you have any questions, please feel free to contact the undersigned.

Rural Municipality of Springfield

Dan Doucet, C.E.T.
Development Officer

Encl.

THE RURAL MUNICIPALITY OF SPRINGFIELD

UNDER THE PLANNING ACT

CONDITIONAL USE ORDER BY THE COUNCIL OF

THE RURAL MUNICIPALITY OF SPRINGFIELD

---

CONDITIONAL USE ORDER No. 19-18

WHEREAS Andrea Snodgrass & Neil MacDonald on behalf of Tervita Corporation c/o XPotential Products Inc., owner of property legally described as Lot 1 Plan 29953 W.L.T.O. within NE ¼ 16-11-4 EPM, or as otherwise described within Certificate of Title #2005569, located at 999 Redonda Street, in the Rural Municipality of Springfield, have applied to the Council of the Rural Municipality of Springfield for approval of a Conditional Use Order under Section 69, "MG" Industrial General Zoning District, of the Springfield Zoning By-law No. 08-01, as amended, as provided within Part 7 "Conditional Uses" of The Planning Act in order to establish a "Hazardous Waste Transport Facility", and related signage on the land, as per section 7.0 4);

AND WHEREAS after careful consideration of the application, and any representations made, for or against the Conditional Use Order sought by the applicant, the Council of the Rural Municipality of Springfield, in meeting duly assembled in Oakbank this 29th day of August A.D. 2019 **APPROVED** the said application subject to the following conditions:

1. The Owner and Applicant shall enter into a Development Agreement with the Municipality prior to the operation of the business.
2. The Owner and Applicant shall provide a Fire Safety Plan and form part of the Development Agreement acceptable by our Municipal Fire Chief.
3. The Owner and/or Applicant shall obtain the required Provincial approvals, and provide a copy of the approval to the Municipality.
4. The Owner and Applicant is responsible for complying with and/or carrying out the development in accordance with any other Federal, Provincial or Municipal legislation and regulations, affecting all buildings and land use.
5. That a Drainage Plan be prepared and sealed by a Professional Engineer and approved by the Engineering and Environmental Services Department as per the municipal drainage policy and any drainage improvements shall be constructed prior to the operation of the business.
6. That the Owner shall obtain an Occupancy Permit from the Office of the Fire Commissioner, if required.
7. This order shall expire and become null and void on the date the business ceases to be in operation.
8. This order shall not be transferable to any other Lessee.
9. An annual environmental inspection be completed by a 3rd party and submitted to the Municipality.
10. That a 3rd party verify that the wells on site are capped appropriately to Provincial standards.
11. That this condition use and will expire after 4 years.

**This Conditional Use Order will expire and cease to have any effect if it is not acted upon within 12 months of the date of the decision.**

Tiffany Fell
Mayor

Colleen Draper
Chief Administrative Officer

Resolution of Council No. 19-405

c. Assessment Branch
Municipal Fire Chief

**Attachment 3: Status of Land Title**

# STATUS OF TITLE

Title Number **2005569/1**
Title Status **Accepted**
Client File

**The Property Registry**
A Service Provider for the Province of Manitoba

## 1. REGISTERED OWNERS, TENANCY AND LAND DESCRIPTION

XPOTENTIAL PRODUCTS INC.

IS REGISTERED OWNER SUBJECT TO SUCH ENTRIES RECORDED HEREON
IN THE FOLLOWING DESCRIBED LAND:

LOT 1 PLAN 29953 WLTO
IN E 1/2 16-11-4 EPM

The land in this title is, unless the contrary is expressly declared, deemed to be subject to the reservations and restrictions set out in section 58 of *The Real Property Act.*

## 2. ACTIVE INSTRUMENTS

| | |
|---|---|
| Instrument Type: | **Caveat** |
| Registration Number: | **240829/1** |
| Instrument Status: | **Accepted** |
| Registration Date: | 1976-09-09 |
| From/By: | MANITOBA TELEPHONE SYSTEM |
| To: | |
| Amount: | |
| Notes: | AFF: ELY 25 FEET PERP |
| Description: | No description |

| | |
|---|---|
| Instrument Type: | **Mortgage** |
| Registration Number: | **2606108/1** |
| Instrument Status: | **Accepted** |
| Registration Date: | 2001-06-14 |
| From/By: | XPOTENTIAL PRODUCTS INC. |
| To: | JACOB LAZARECK |
| Amount: | $10,000,000.00 |
| Notes: | No notes |
| Description: | No description |

**3. ADDRESSES FOR SERVICE**

XPOTENTIAL PRODUCTS INC.
999 REDONDA STREET
WINNIPEG, MB
R3C 3R9

**4. TITLE NOTES**

No title notes

**5. LAND TITLES DISTRICT**

Winnipeg

**6. DUPLICATE TITLE INFORMATION**

Duplicate not produced

**7. FROM TITLE NUMBERS**

1601932/1 All

**8. REAL PROPERTY APPLICATION / CROWN GRANT NUMBERS**

No real property application or grant information

**9. ORIGINATING INSTRUMENTS**

| | |
|---|---|
| Instrument Type: | **Request To Issue Title** |
| Registration Number: | **2960481/1** |
| Registration Date: | 2004-03-15 |
| From/By: | EXPOTENTIAL PRODUCTS INC. |
| To: | |
| Amount: | |

**10. LAND INDEX**

Lot 1 Plan 29953

CERTIFIED TRUE EXTRACT PRODUCED FROM THE LAND TITLES DATA STORAGE SYSTEM OF TITLE NUMBER 2005569/1

**Attachment 4: Facility Plot Plan**


CERTIFICATE OF TITLE:
2005569/1 W.L.T.O.
(SEARCH DATE: NOV. 14, 2019)

LEGAL DESCRIPTION:
LOT 1, PLAN 29953 WLTO
IN E.1/2 16-11-4 E.P.M.

CIVIC ADDRESS:
999 REDONDA STREET
R.M. OF SPRINGFIELD
MANITOBA

20 10 0 20
METRES

| REV | DATE | REVISION DESCRIPTION | PROJ/AFE# | BY | CHK'D | APP'D |
|---|---|---|---|---|---|---|
| A | 2020/01/21 | ISSUED FOR APPLICATION | - | TL | NM | |

TERVITA

REDONDA

LEGAL PROPERTY ADDRESS: E. 1/2 16-11-04 E.P.M.

SPRINGFIELD MANITOBA

REDONDA FACILITY
SITE PLAN

SCALE: 1:500

DWG. No. TER-RDA-SK-002

REV. A

X:\Proj Study\z 5 Site Estimate\1 Redonda trailer complex\TER-RDA-SK-002 rev A site plan.dwg, Feb 21, 2020 11:03:32am, tlaw

**Attachment 5: Manitoba Conservation Data Centre Records**

## Manitoba Conservation Data Centre

The Manitoba Conservation Data Centre (MBCDC) functions under the network of NatureServe and NatureServe Canada. This network maintains science-based information about the biodiversity of the western hemisphere. The MBCDC has developed lists of plant and animal species found in Manitoba. These are known as elements, which are assigned a conservation status rank based on how rare the species are in Manitoba (Manitoba, n.d.).

### Conservation Status Assessment

Conservation status assessments are completed to produce conservation status ranks that measure extinctions or extirpation risk at three geographical scales: global, national, and subnational (or “G-Ranks”, “N-Ranks”, and “S-Ranks”). These are widely used throughout the conservation community and regarded as highly credible by scientists, government agencies and private sector organizations (NatureServe, n.d.).

### NatureServe National and Subnational Conservation Status Definitions

Listed below are definitions for interpreting NatureServe conservation status ranks at the national (N-rank) and subnational (S-rank) levels. The term "subnational" refers to state or province-level jurisdictions (e.g., California, Ontario).

Assigning national and subnational conservation status ranks for species and ecosystems (ecological communities, vegetation types, and systems) follows the same general principles as used in assigning global status ranks. A subnational rank normally would not imply that a species or ecosystem is more secure at the state/provincial level than it is nationally or globally (e.g., a rank of G1S3 is typically invalid), and similarly, a national rank could not exceed the global rank. However, there are cases where a trend factor (e.g. change in area of an ecosystem, or population size of a species) is relatively stable in a jurisdiction but is strongly declining across most other parts of the range, resulting in a subnational or national rank being more secure than the global rank. Subnational ranks are assigned and maintained by state or provincial NatureServe network programs.

## National (N) and Subnational (S) Conservation Status Ranks

| RANK | DEFINITION |
|---|---|
| **NX**<br><br>**SX** | **Presumed Extirpated**—Species or ecosystem is believed to be extirpated from the jurisdiction (i.e., nation, or state/province). Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered. [equivalent to "Regionally Extinct" in IUCN Red List terminology] |
| **NH**<br><br>**SH** | **Possibly Extirpated** – Known from only historical records but still some hope of rediscovery. There is evidence that the species or ecosystem may no longer be present in the jurisdiction, but not enough to state this with certainty. Examples of such evidence include (1) that a species has not been documented in approximately 20-40 years despite some searching and/or some evidence of significant habitat loss or degradation; (2) that a species or ecosystem has been searched for unsuccessfully, but not thoroughly enough to presume that it is no longer present in the jurisdiction. |
| **N1**<br><br>**S1** | **Critically Imperiled**— At very high risk of extirpation in the jurisdiction due to very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors. |
| **N2**<br><br>**S2** | **Imperiled**— At high risk of extirpation in the jurisdiction due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors. |
| **N3**<br><br>**S3** | **Vulnerable**— At moderate risk of extirpation in the jurisdiction due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors. |
| **N4**<br><br>**S4** | **Apparently Secure**— At a fairly low risk of extirpation in the jurisdiction due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors. |
| **N5**<br><br>**S5** | **Secure**— At very low or no risk of extirpation in the jurisdiction due to a very extensive range, abundant populations or occurrences, with little to no concern from declines or threats. |

| Variant National and Subnational Conservation Status Ranks | |
|---|---|
| **RANK** | **DEFINITION** |
| **N#**<br><br>**S#** | **Range Rank** —A numeric range rank (e.g., S2S3 or S1S3) is used to indicate any range of uncertainty about the status of the species or ecosystem. Ranges cannot skip more than two ranks (e.g., SU is used rather than S1S4). |
| **NU**<br><br>**SU** | **Unrankable**—Currently unrankable due to lack of information or due to substantially conflicting information about status or trends. |
| **NNR**<br><br>**SNR** | **Unranked**—National or subnational conservation status not yet assessed. |
| **NNA**<br><br>**SNA** | **Not Applicable** —A conservation status rank is not applicable because the species or ecosystem is not a suitable target for conservation activities (e.g., long distance aerial and aquatic migrants, hybrids without conservation value, and non-native species or ecosystems (see Master et al. 2012, Appendix A, pg 70 for further details). |
| **Not Provided** | Species or ecosystem is known to occur in this nation or state/province. Contact the appropriate NatureServe network program for assignment of conservation status. |

Manitoba, G. o. (n.d.). *Environment and Biodiversity*. Retrieved January 2020, from Sustainable Development: https://www.gov.mb.ca/sd/environment_and_biodiversity/cdc/index.html

NatureServe. (n.d.). *Conservation Status Assessment*. Retrieved January 2020, from NatureServe: https://www.natureserve.org/conservation-tools/conservation-status-assessment

# Manitoba Conservation Data Centre - Plant Species of Conservation Concern

| Plant | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Achnatherum hymenoides | Indian Rice Grass | S2 |
| Acmispon americanus | Prairie Trefoil | S2S3 |
| Agalinis aspera | Rough Agalinis | S2 |
| Agalinis gattingeri | Gattinger's Agalinis | S1 |
| Agalinis tenuifolia | Narrow-leaved Agalinis | S2S3 |
| Agrimonia gryposepala | Common Agrimony | S1S2 |
| Alisma gramineum | Narrow-leaved Water-plantain | S1 |
| Ambrosia acanthicarpa | Sandbur | S1 |
| Amorpha fruticosa | False Indigo | S1S2 |
| Antennaria plantaginifolia | Plantain-leaved Everlasting | S1S2 |
| Arisaema triphyllum ssp. triphyllum | Jack-in-the-pulpit | S1S2 |
| Asclepias verticillata | Whorled Milkweed | S3 |
| Astragalus neglectus | Neglected Milkvetch | S1 |
| Atriplex argentea var. argentea | Silver Saltbush | S2 |
| Blysmopsis rufa | Red Bulrush | S2? |
| Boltonia asteroides var. recognita | White Boltonia | S2S3 |
| Botrychium pallidum | Pale Moonwort | SH |
| Bouteloua curtipendula | Side-oats Grama | S2 |
| Bromus kalmii | Wild Chess | S2S3 |
| Bromus porteri | Porter's Chess | S2S3 |
| Calamagrostis montanensis | Plains Reed Grass | S3 |
| Calamagrostis rubescens | Pine Reed Grass | S1 |
| Cardamine bulbosa | Spring Cress | SH |
| Carex crawei | Crawe's Sedge | S3? |
| Carex cristatella | Crested Sedge | S1? |
| Carex douglasii | Douglas Sedge | S2 |
| Carex emoryi | Emory's Sedge | S2? |
| Carex hallii | Hall's Sedge | S1S2 |
| Carex hystericina | Porcupine Sedge | S3 |
| Carex livida | Livid Sedge | S3 |
| Carex parryana | Parry's Sedge | S3 |
| Carex projecta | Necklace Sedge | S3? |
| Carex sterilis | Dioecious Sedge | S2 |
| Carex supina ssp. spaniocarpa | Weak Sedge | S2S3 |
| Carex tetanica | Rigid Sedge | S3 |
| Carex vulpinoidea | Fox Sedge | S3 |
| Celtis occidentalis | Hackberry | S1? |
| Circaea canadensis ssp. canadensis | Large Enchanter's-nightshade | S2 |
| Cirsium discolor | Field Thistle | S1 |
| Clematis ligusticifolia | Western Virgin's-bower | S1 |
| Clematis virginiana | Virgin's-bower | S2? |
| Corispermum americanum var. americanum | American Bugseed | S3 |
| Corispermum villosum | Hairy Bugseed | S1S2 |
| Cornus alternifolia | Alternate-leaved Dogwood | S3 |

# Manitoba Conservation Data Centre - Plant Species of Conservation Concern

| Plant | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Cryptotaenia canadensis | Canadian Honewort | S1 |
| Cyperus erythrorhizos | Red-root Flatsedge | S1 |
| Cyperus houghtonii | Houghton's Umbrella-sedge | S2S3 |
| Cyperus schweinitzii | Schweinitz's Flatsedge | S2 |
| Cypripedium candidum | Small White Lady's-slipper | S1 |
| Dalea villosa var. villosa | Hairy Prairie-clover | S2S3 |
| Desmodium canadense | Beggar's-lice | S2 |
| Dichanthelium linearifolium | White-haired Panic-grass | S2? |
| Draba reptans | Creeping Whitlow-grass | S2 |
| Elatine americana | American Waterwort | S1 |
| Elodea nuttallii | Nuttall's Waterweed | S1? |
| Elymus diversiglumis | Various-glumed Wild Rye | S1S2 |
| Elymus hystrix | Bottle-brush Grass | S2 |
| Eragrostis hypnoides | Creeping Teal Love Grass | S3 |
| Euphorbia geyeri | Prostrate Spurge | S2 |
| Festuca hallii | Plains Rough Fescue | S3 |
| Festuca subverticillata | Nodding Fescue | S1 |
| Fraxinus nigra | Black Ash | S2S3 |
| Galium aparine | Cleavers | S3 |
| Gentiana puberulenta | Downy Gentian | S2 |
| Helianthus nuttallii ssp. rydbergii | Tuberous-rooted Sunflower | S2 |
| Heteranthera dubia | Water Star-grass | S2S3 |
| Hudsonia tomentosa | False Heather | S3 |
| Krigia biflora | Two-flowered Dwarf-dandelion | S2S3 |
| Lactuca floridana | Woodland Lettuce | SH |
| Lechea intermedia | Pinweed | S1? |
| Leersia oryzoides | Rice Cutgrass | S3 |
| Linum sulcatum | Grooved Yellow Flax | S3 |
| Lithospermum incisum | Narrow-leaved Puccoon | S3 |
| Lithospermum parviflorum | Marble-seed | S1 |
| Lysimachia quadriflora | Whorled Loosestrife | S2 |
| Menispermum canadense | Canada Moonseed | S3 |
| Muhlenbergia andina | Foxtail Muhly | S1 |
| Musineon divaricatum | Leafy Musineon | S1S2 |
| Oenothera perennis | Sundrops | S1 |
| Orobanche ludoviciana | Louisiana Broom-rape | S2 |
| Orobanche uniflora | One-flowered Broom-rape | S1 |
| Osmorhiza claytonii | Hairy Sweet Cicely | S2? |
| Osmorhiza depauperata | Blunt-fruited Sweet Cicely | S2 |
| Ostrya virginiana | Hop-hornbeam | S2 |
| Pellaea glabella ssp. occidentalis | Western Dwarf Cliffbrake | S2 |
| Penthorum sedoides | Ditch-stonecrop | S1S2 |
| Phryma leptostachya | Lopseed | S3 |
| Polygala verticillata | Whorled Milkwort | S2 |

## Manitoba Conservation Data Centre - Plant Species of Conservation Concern

| Plant | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Polygala verticillata var. isocycla | Whorled Milkwort | S2 |
| Potamogeton illinoensis | Illinois Pondweed | S1? |
| Sanguinaria canadensis | Blood-root | S2 |
| Sceptridium multifidum | Leathery Grape-fern | S3 |
| Selaginella densa | Prairie Spike-moss | S3 |
| Shinnersoseris rostrata | Annual Skeletonweed | S1S2 |
| Sisyrinchium campestre | White-eyed Grass | S3 |
| Solidago riddellii | Riddell's Goldenrod | S2S3 |
| Sporobolus compositus | Tall Dropseed | S1 |
| Sporobolus neglectus | Annual Dropseed | S2S3 |
| Symphyotrichum sericeum | Western Silvery Aster | S2S3 |
| Townsendia exscapa | Silky Townsend-daisy | S2 |
| Verbena bracteata | Bracted Vervain | S3 |
| Verbena urticifolia | White Vervain | S1 |
| Vernonia fasciculata | Western Ironweed | S1 |
| Veronicastrum virginicum | Culver's-root | S1S2 |
| Viola labradorica | Early Blue Violet | S3 |

# Manitoba Conservation Data Centre - Wildlife Species of Conservation Concern

| Animal Assemblage | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Gull Colony | | SNR |
| Snake Hibernaculum | Snake Hibernaculum | SNR |
| Tern Colony | | SNR |

| Ambiphian | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Ambystoma mavortium | Western Tiger Salamander | S4S5 |
| Lithobates pipiens | Northern Leopard Frog | S4 |
| Spea bombifrons | Plains Spadefoot Toad | S2S3 |

| Bird | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Aechmophorus occidentalis | Western Grebe | S4B |
| Ammodramus bairdii | Baird's Sparrow | S1B |
| Ammodramus savannarum | Grasshopper Sparrow | S3B |
| Anthus spragueii | Sprague's Pipit | S2B |
| Antrostomus vociferus | Whip-poor-will | S3B |
| Ardea herodias | Great Blue Heron | S5B |
| Asio flammeus | Short-eared Owl | S2S3B |
| Athene cunicularia | Burrowing Owl | S1B |
| Butorides virescens | Green Heron | S1B |
| Calcarius ornatus | Chestnut-collared Longspur | S2B |
| Cardellina canadensis | Canada Warbler | S3B |
| Cardinalis cardinalis | Northern Cardinal | S1B,SUN |
| Chaetura pelagica | Chimney Swift | S2B |
| Charadrius melodus | Piping Plover | S1B |
| Chlidonias niger | Black Tern | S4B |
| Chordeiles minor | Common Nighthawk | S3B |
| Contopus cooperi | Olive-sided Flycatcher | S3B |
| Contopus virens | Eastern Wood-pewee | S4B |
| Coturnicops noveboracensis | Yellow Rail | S3B |
| Cygnus buccinator | Trumpeter Swan | S1B |
| Dolichonyx oryzivorus | Bobolink | S4B |
| Eremophila alpestris | Horned Lark | S3B,SUM |
| Hirundo rustica | Barn Swallow | S4B |
| Hydroprogne caspia | Caspian Tern | S3B |
| Ixobrychus exilis | Least Bittern | S2B |
| Lanius ludovicianus excubitorides | Loggerhead Shrike | S1B |
| Lanius ludovicianus migrans | Loggerhead Shrike | S1B |
| Larus argentatus | Herring Gull | S4B |
| Larus delawarensis | Ring-billed Gull | S5B |
| Melanerpes erythrocephalus | Red-headed Woodpecker | S3B |
| Nycticorax nycticorax | Black-crowned Night-heron | S4B |

# Manitoba Conservation Data Centre - Wildlife Species of Conservation Concern

| Bird | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Pelecanus erythrorhynchos | American White Pelican | S4B |
| Phalacrocorax auritus | Double-crested Cormorant | S5B |
| Podiceps auritus | Horned Grebe | S4B |
| Podiceps nigricollis | Eared Grebe | S4B |
| Riparia riparia | Bank Swallow | S5B |
| Sterna forsteri | Forster's Tern | S4B |
| Sterna hirundo | Common Tern | S5B |
| Strix nebulosa | Great Gray Owl | S4 |
| Vermivora chrysoptera | Golden-winged Warbler | S3B |

| Insect | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Danaus plexippus | Monarch | S3S4B |
| Hesperia dacotae | Dakota Skipper | S2 |
| Stylurus amnicola | Riverine Clubtail | S3 |

| Mammal | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Geomys bursarius | Plains Pocket Gopher | S3 |

| Reptile | | |
|---|---|---|
| **Scientific Name** | **Common Name** | **S Rank** |
| Chelydra serpentina | Snapping Turtle | S3 |
| Plestiodon septentrionalis | Northern Prairie Skink | S1 |
| Thamnophis radix | Western Plains Garter Snake | S4 |
| Thamnophis sirtalis | Red-sided Garter Snake | S4 |
| Thamnophis sirtalis parietalis | Red-sided Garter Snake | S4 |

**Attachment 6: Groundwater Monitoring Well Location Map**


wood.
440 DOVERCOURT DRIVE
WINNIPEG, MANITOBA R3Y 1N4
PHONE: 204.488.2997 FAX:204.489.8261

TERVITA CORPORATION

LEGEND:
APPROXIMATE PROPERTY LINE
TEST HOLE
MONITORING WELL

NOTE:
- SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
- IMAGES FROM AUTODESK IMAGERY.

| NO. | REVISION | DATE | BY |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

PHASE II ENVIRONMENTAL SITE ASSESSMENT

999 REDONDA STREET
RURAL MUNICIPALITY OF SPRINGFIELD
OAKBANK, MANITOBA

TEST HOLE AND MONITORING WELL LOCATION PLAN

| | |
|---|---|
| SCALE: | AS SHOWN |
| DATE: | FEBRUARY 2020 |
| DRAWN BY: | MD |
| PROJECT NO.: | WX18979 |

FIGURE 2

# HAZARDOUS WASTE REGISTRATION FORM

*Hazardous Waste Regulation* **M.R. 195/2015**

Manitoba Sustainable Development

**Please read the "Guide to completing the hazardous waste registration form" before completing this form**

**Check all that apply:** ☒ **New Company** ☐ **Name Change** ☐ **Moved** ☐ **Additional Site** ☐ **Update**

## Section 1 Generator Identification

**Generator:** Tervita Corporation **Corp. File # if app.:** _____
(Legal Name of the Company)
**Mailing Address:** 1600, 140-10th Avenue SE **City:** Calgary **Prov.:** AB **Postal Code:** T2G 0R1

**Operation Name:** Tervita Corporation **Physical Site Location:** 999 Redonda Street, Oakbank MB
(Street name & number or Legal description)
**Operation Mailing Address:** 999 Redonda St. **City:** Oakbank **Prov.:** MB **Postal Code:** R0E 1J0

## Section 2 Waste Description (if more than 4 types of waste, please attach an additional sheet)

| | Physical State (S or L) | TDG Shipping Name or Type of Hazardous Waste (from Schedules A or B or C) | UN Number or Provincial Waste Code (from Schedules A or B or C) | TDG Class (if applicable) | Packing Group (if applicable) | Provincial Waste Class Code (from "Key to Waste Codes") | Quantity generated per month (L or Kg) | Frequency of generation Code (C, B, R or O) | Treatment or Disposal Code (D, R or X) |
|---|---|---|---|---|---|---|---|---|---|
| a) | | Please see Attached | | | | | | | |
| b) | | | | | | | | | |
| c) | | | | | | | | | |
| d) | | | | | | | | | |

## Section 3 Waste Management Information

**General business type:** Hazardous Waste Transfer Station/Heavy Equipment Mechanic Shop
(E.g. Automotive repair, electroplating, printing, etc.)
**Source of hazardous waste:** transfer station activities, heavy equipment maintenance
(Source or type of process generating waste)

**Hazardous waste carrier(s) used:** Tervita MBC03868

**Hazardous waste receiver(s) used:** Tervita Corporation, Miller Environmental MBR01829

## Section 4 Certification

***I certify that the information provided on this form is correct and complete.***

**Signature of Contact Person with the Operation:** _____ **Date (dd/mm/yy):** 25 / 02 / 20

**Print Name of Contact Person:** Andrea Snodgrass **Position/Title:** Environment & Regulatory Adviso

**Telephone :** 587-233-3204 **Fax :** _____ **Email :** asnodgrass@tervita.com

**For Departmental use only :** Region _____

**MBG** _____ Business Code _____ Form checked by _____ Form processed by _____

**Personal information is collected under the authority of *the Dangerous Goods Handling and Transportation Act, Hazardous Waste Regulation* M. R. 195/2015, and will be used to issue the Hazardous Waste Registration Number (Provincial ID number) and for administration and enforcement purposes. It is protected by the privacy provisions of *The Freedom of Information and Protection of Privacy Act.* If you have any questions, contact the Access & Privacy Co-ordinator, Box 85, 200, Saulteaux Crescent, Winnipeg MB R3J 3W3; 1 (204) 945-4170.**

## Section 2 Waste Description

| **Physical State (S or L)** | **TDG Shipping Name or Type of Hazardous Waste** (from Schdules A or B or C) | **UN Number or Provincial Waste Code** (from Schedules A or B or C) | **TDG Class** (if applicable) | **Packing Group** (if applicable) | **Provincial Waste Class Code** (from "Key to Waste Codes") | **Quantity generated per month** (L or Kg) | **Frequency of generation code** (C,B,R or O) | **Tretament or Disposal Code** (D, R or X) |
|---|---|---|---|---|---|---|---|---|
| L | Used Oil | MHW1 | N/A | N/A | 251, 254 | 5000 L | C | X |
| S | Used Oil Filters | MHW2 | N/A | N/A | 252 | 5000 Kg | C | X |
| L | Flammable Liquid N.O.S | UN1993 | 3 | II | 221 | 5000 L | C | X |
| L | Gasoline | UN1203 | 3 | II | 221 | 5000 L | C | X |
| L | Diesel Fuel; Gas oil | UN1202 | 3 | III | 221 | 5000 L | C | X |
| S | Lead Acid Batteries | UN2794 | 8 | N/A | 114 | 5000 Kg | C | X |
| S | Oily Rags (Rags c/w BTEX) | L36, L102, L103, L104 | N/A | N/A | 252 | 5000 Kg | C | X |
| L | Waste Paint or Waste Paint Material | UN1263 | 3 | II | 145 | 1000 L | C | X |