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1. INTRODUCTION

This management plan provides a summary of the areas comprised within the Manitoba Peat Harvest Licence #19.

Located about 200 km north of Winnipeg, the leased area (719 ha) comprised within Peat Harvest License #19 is located near Pine Dock, MB. The complete location of the area comprised within Peat Harvest licence #19 is provided in Appendix A (i.e. Peat Harvest Licence). All the area included within the leased is currently undisturbed.

No peat harvesting or clearing activity is anticipated for the next 5 years within Peat Harvest Licence #17. If the situation comes to changes, Premier will update this document to include the details of its future operations.

2. CORPORATE OVERVIEW

Premier Tech Horticulture is compliant with SCS Global Veriflora standards. This certification is a pledge of our commitment for responsible peat harvesting operations. For every peat harvesting operation, our objectives are:

- To restore the ecological functions of the bog once the harvesting operations are completed.
- To avoid impacts on endangered species
- To limit the impacts of peat harvesting on the environment by reducing our carbon emissions and waste production
- To limit our dust emissions by suspending harvest during strong winds, and by continuously monitoring air particles emissions
- To promote local employment
- To get involved in Aboriginal and local communities by participating and sponsoring local organizations and by proposing annual information meetings
- To be responsive to citizens’ concerns.

2.1. Corporate planning objectives

Keeping this peatland ensure that PTH still has some reserve to extract peat. This site could also be used partly or entirely as a donor site for the restauration of the sites that are not viable anymore.

Currently Premier is contributing to more than 60 direct jobs in the province of Manitoba and it is planned that operations will increase by 2.5% globally to meet horticultural market demands. To meet this demand
our current plant in Richer will continue to be improved and will remain a core component of our operations to supply our north American market with value-added products.

2.2. Economic development

Since there are no definitive plans addressing the use of this PHL we do not have any information on these elements.

2.3. Future provincial interests

Map 1 Overview of all four PHL currently under management by Premier Tech Horticulture.

Considering the recent increase in demand for peat products and the fact that PTH is currently growing and still plans to grow, it is certain that the current PHL in the province of Manitoba will be used sooner or later in a way that allows for the responsible and durable harvesting of peat.
## 3. OPERATIONS OVERVIEW

The content in this section will be at the PHL scale, incorporating information from all sub-areas.

### 3.1. Required approvals

*Table 1 Required approvals*

<table>
<thead>
<tr>
<th>Licence/Permit</th>
<th>Issuing Authority</th>
<th>Timeline</th>
</tr>
</thead>
</table>
| General Permit                  | Crown Lands or Forestry and Peatlands (FPB within Provincial Forests) | - Start of process: 1 Year before opening.  
                                |                                                         | - Estimated approbation: A few months before doing any operations |
| Environment Act Licence Approvals | Environmental Approvals                                 | - Start of process: 2 Year before opening.                                |
| Work Permit                     | Regional/District Offices                               | - Start of process: 1 Year before opening.                                |
|                                |                                                         | - Estimated approbation: A few months before doing any operations.       |
| Licence to Construct Water Control Works | Water Stewardship                                      | - Start of process: 2 Year before opening.                                |
|                                |                                                         | - Estimated approbation: A year before doing anything on the PHL.       |
| Timber Appraisal                | Regional/District Offices                               | - Start of process: 1 Year before opening.                                |
|                                |                                                         | - Estimated approbation: A few months before doing any operations.       |
| Peat Surface Lease              | Crown Lands or Forestry and Peatlands (FPB within Provincial Forests) | - Start of process: 2 Year before opening.                                |
|                                |                                                         | - Estimated approbation: A few months before doing any operations.       |
3.2. Licence and Sub-Area Boundaries

Map 2 Full extent of the proposed PHL

3.3. Harvesting schedule
Currently no harvesting has been determined for the next five years of the PHL on any sub-area.

Table 2 Harvesting schedule

<table>
<thead>
<tr>
<th></th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pine Dock</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

3.4. Harvest Area and Bulk peat estimates
There are no planned harvest area and no sub area will be active within that period. Premier usually aims to harvest 6cm of peat per year. The initial area of harvesting will vary according to the demand at the time of opening.

Table 3 Harvest Area and Bulk Peat estimates

<table>
<thead>
<tr>
<th></th>
<th>Year1</th>
<th>Year2</th>
<th>Year3</th>
<th>Year4</th>
<th>Year5</th>
<th>Year6</th>
<th>Year7</th>
<th>Year8</th>
<th>Year9</th>
</tr>
</thead>
</table>
3.5. Structures
No Layout has been established for the moment. When the opening of the site will be determined a preliminary layout should be submitted.

4. PRE-HARVEST ACTIVITIES

4.1. Timber removal
All trees within the harvest area will be harvested by PTH and stockpiled for use as a base underlying the staging yard and internal bog road (i.e. a corduroy road base). There is no merchantable timber within the harvest area. Timber appraisal is renewed yearly.

Trees will be left standing and in place around the perimeter of the harvest area and the remaining area of the bog as they provide on-going wind protection for the harvest area.

4.2. Site access
Concurrent with the tree removal activity is the construction of the internal bog road by laying the harvested trees in a corduroy fashion and covering them with material taken from the borrow area located near the staging yard.

4.3. Drainage works
Site preparation is initiated by the construction of a perimeter drainage ditch and discharge. This is accomplished by digging a ditch approximately 2 meters deep and 1.5 meters wide around the entire area to be harvested in order to allow the water level within the bog to lower. The gradient of the ditch is designed to allow for the slow reduction of water levels within the bog over the life of the harvesting activities.

The ditch will be constructed using a track hoe with the material deposited on the outside of the ditch (outside the peat field area) over its entire length.
This method is used to ensure that the water table of the field decrease slowly to allow the top peat to dry in order to be picked up by our vacuums.

5. FIRE PROTOCOLS
PTH commits to establish a fire plan and consult the local authorities with that plan during the preparation of the other operating licences. This plan should be similar to the one in PHL 16 (see annex).

6. RESIDUAL PEAT DEPTHS
Preharvest depths were estimated using the report *Sphagnum Bogs in Southern Manitoba and Their Identification by Remote Sensing* by the Manitoba Department of Energy and Mines (B. B. Bannatyne 1980). See Appendix D for the specific pages referred.

Current pre-harvest depth is estimated to be higher than two meters. Further exploration may be required to establish and operational layout, after harvesting at least half a meter of peat will be left to ensure proper restoration practices.

Exploratory activities will be done either before or as the Peat Surface Lease will begin to be completed. This mean that we aim to resample unopened areas 2 years before submitting any documents to ensure satisfactory quantity and quality of the available material.

7. SENSITIVE SITES AND SPECIES PROTOCOLS
Before any industrial operation, Premier is required to perform surveys to evaluate the potential impacts on species at risk. If species found listed under The Endangered Species and Ecosystems Act are found within future development phases, Premier will reassess its operation plan to avoid disturbance and interference with the species at risk.

In case heritage sites or cultural features are found within the development phases, Premier will comply with the Heritage Resource Act and consult the ministry charged with the administration of this act before pursuing its operations.
Appendix A

Peat Harvest License #19
Licence No. / Licence nº: 19

Issue Date / Date de délivrance: June 15, 2015

REVISED/REVISE:

REVISED/REVISE:

Issued to:

PREMIER HORTICULTURE LTEE/ PREMIER HORTICULTURE LTD

Issued for:

All those portions of sections 17-31-05, 18-31-05, 19-31-05, 20-31-05, 29-31-05, 30-31-05 and 31-31-05 EPM as shown on the map attached as Schedule “A” to this Licence;

(collectively the “Licence Area”).

Licence term:

This Licence is valid until December 31, 2030

This Licence is issued in accordance with and subject to The Peatlands Stewardship Act, its regulations, both as may be amended from time to time, and the terms and conditions set out in this Licence.

DIRECTOR
THE PEATLANDS STEWARDSHIP ACT
DEFINITIONS

In this Licence,

"Active Area" means the area(s) within a Licence Area that are experiencing activities related to the peat harvesting process, such as, but not limited to, clearing of brush or trees, ditching, or the removal of materials. Also, an Active Area requires an Environment Act Licence and triggers the requirements for the restoration security under the Regulation;

"Crown" means Her Majesty the Queen in right of the Province of Manitoba, as represented by the Forest and Peatlands Management Branch of Manitoba Conservation and Water Stewardship, or such successor branch or agency of the Government of Manitoba;

"Crown Peat Return" means the statutory declaration required by the Regulation, as amended from time to time;

"Director" means the person appointed as the director of peatlands stewardship under The Peatlands Stewardship Act, or such successor to that person;

"The Peatlands Stewardship Act" or the "Act" means The Peatlands Stewardship Act (C.C.S.M., c. P31), as amended from time to time; and

"Regulation" means the Peatlands Stewardship Regulation (M.R. 82/2015), as amended from time to time.

AUTHORIZATION

1. Subject to the terms and conditions of this Licence, the Licencee is authorized to engage in peat harvesting by removing peat from Crown peatland within the Licence Area for commercial purposes, including any activity undertaken on or in respect of the Licence Area to facilitate the removal of peat from the Licence Area, continued vertically downward.

2. Thirty (30) days prior to making an area within the Licence Area active (Active Area), the Licencee shall notify the Director of its plan and provide the security required under clause 9 of this Licence.
PLANNING

i. PEATLAND MANAGEMENT PLAN

3. The Licencee shall submit to the Director a peatland management plan in accordance with the Act. The Licencee shall manage the Licence Area in accordance with the approved management plan.

ii. PEATLAND RECOVERY PLAN

4. The Licencee shall submit to the Director a peatland recovery plan in accordance with the Act. The Licencee must ensure that the activities set out in the approved peatland recovery plan are undertaken in the Licence Area and completed at the time set out in the plan.

5. Until the peatland recovery plan is approved by the Director, the Licencee shall comply with the Environment Act Licence requirements respecting the mine closure plan it prepared under the *Mine Closure Regulation 67/99*.

6. Any alteration of a peatland management plan or peatland recovery plan is subject to submission to the Director or a proposed alteration to that plan and approval by the Director of that alteration.

FEES AND CHARGES

7. The Licencee shall pay to the Crown an annual land reservation charge in accordance with the Regulation.

8. The Licencee shall pay to Crown the prescribed royalty fee by March 1st each year in accordance with the Regulation.

9. In accordance with the Regulation, the Licencee shall provide to the Director the form of security approved by the Director before any activity under this Licence begins in any Active Area.

RECORDS AND REPORTING

10. The Licencee shall make, maintain and submit to the Crown such records as are required by the Act and Regulation.

11. The Licencee shall make, maintain and submit to the Crown such reports as are required by the Act and Regulation.
12. The Licencee shall submit to the Director a Crown Peat Return, setting out the information required by the Regulation.

13. The Licencee shall meet with the Director, or his or her representatives, in each year of the Licence term. The Licencee will present its annual reports and annual plan at the meeting. The annual meeting may be held concurrently with any meeting required under The Environment Act Licence.

LIABILITY

14. The Licencee shall indemnify and save harmless Her Majesty the Queen in Right of the Province of Manitoba, her Ministers, officers, agents and employees from and against any and all claims, liability and demands for or by reason of anything done or omitted to be done by the Licencee or its agents or employees with respect to the Licence Area.

15. This Licence shall in no way limit Manitoba Hydro's or the Government of Manitoba's right to raise or lower the water levels on any body of water which may affect the Licence Area and Manitoba Hydro or the Government of Manitoba shall not be held liable for changes in the water level. This Licence does not imply any guarantee of water levels at the Licence Area.

GENERAL TERMS AND CONDITIONS

16. This Licence may be suspended, cancelled or its renewal refused in accordance with the Act and the Regulation.

17. In addition to the rights under clause 16 of this Licence, the Director may cancel this Licence if the Licencee makes an assignment for the benefit of creditors, becomes bankrupt or insolvent, takes the benefit of, or becomes subject to, any statutes that may be in force relating to bankrupt or insolvent debtors (the appointment of a receiver or receiver and manager of the assets of the Licencee being conclusive evidence of insolvency), or if any certificate or order is made or granted for the winding-up or dissolution of the Licencee, voluntarily or otherwise.

18. This Licence does not provide any other authority that may be required under federal or provincial enactments that may apply to the Licence Area or the Licencee's activities. The Licencee shall obtain and comply with all other authorizations as may be necessary for its activities on the Licence Area, including, but not limited to, a Licence under The Environment Act.
We, the undersigned Licencee, or duly authorized representative of the Licencee, have read, in their entirety, the terms and conditions contained in this Licence. We understand the rights and responsibilities attached to this Licence, and we further understand that failure to comply with any Licence terms and conditions may result in the suspension or cancellation of the Licence, or any other enforcement actions as provided for in The Peatlands Stewardship Act.

THE LICENCEE

Per: Friedrich Casen
Title: Quality, Resource & Innovation Director

Per: [Signature]
Title: Resource Management Analyst

I/We have authority to bind the Licencee.
Schedule "A" Map

Peat Harvest Licence No. 19

Company: PREMIER HORTICULTURE LTEE/
PREMIER HORTICULTURE LTD.

Licence Group: Pine Dock

Sub Area: Pine Dock
Appendix B

Fire Emergency Plan

Richer Plant, MB.
FIRE ACTION PLAN OF SITE

Premier Tech Horticulture

Richer, Manitoba

Location

PTH 302 N, RICHER, MANITOBA R0E 1S0
204-422-8805
1 FACILITY DESCRIPTION.............................................................................................................1
   1.1 FACILITY TYPE OF OPERATION: .....................................................................................1
   1.2 ELECTRICAL CLASSIFICATION: .......................................................................................1
   1.3 AVERAGE OCCUPANCY - WEEKLY OPERATION PER SHIFT .............................................1
   1.4 SITE OVERVIEW ..............................................................................................................2
2 FIRE SAFETY EQUPMENTS ....................................................................................................3
   2.1 LIST OF SAFETY EQUIPMENT .........................................................................................3
   2.2 DESCRIPTION OF FIRE ALARM SYSTEM: .................................................................3
   2.3 SAFETY EQUIPMENT LOCATION .....................................................................................10
3 EMERGENCY PROCEDURES ..................................................................................................11
4 FLAMMABLE AND COMBUSTIBLE MATERIAL: ....................................................................12
5 LIST OF CONTACT NAMES IN CASE OF AN EMERGENCY ..............................................13
6 DOCUMENT REVISION HISTORY.........................................................................................14
1 FACILITY DESCRIPTION

1.1 Facility type of operation:
Premier Tech Horticulture manufactures and distributes a complete line of Sphagnum peat moss-based growing media and soil amendments that enhance the quality and yield of horticultural and agricultural productions.

Premier Horticulture at Richer, Manitoba includes those buildings:

Total area of buildings:

<table>
<thead>
<tr>
<th></th>
<th>Office</th>
<th>Plant</th>
<th>Shop</th>
<th>Bag Shed</th>
<th>Pole Sheds (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1200</td>
<td>22,000</td>
<td>6,500</td>
<td>7,500</td>
<td>12,200</td>
</tr>
</tbody>
</table>

1.2 Electrical classification:
According to the National Building Code and our insurance company, our Richer plant is classified Group F, Division 2.

1.3 Average occupancy - Weekly operation per shift

<table>
<thead>
<tr>
<th>Personal</th>
<th>Day</th>
<th>Evening</th>
<th>Night</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office staff</td>
<td>5</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Plant team members</td>
<td>15</td>
<td>14</td>
<td>8</td>
</tr>
<tr>
<td>Plant staff</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Yard team members</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>24</td>
<td>15</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: In addition, maintenance contractors, truck drivers or visitors can be on site but are recorded in the logbook at the front desk.
1.4 Site overview

Manitoba’s site overview

Richer Processing Plant
Yard Plan

2011-05-16

Air Rescue GPS Location: Latitude 49-39-55N / Longitude 96-27-38E
2.1 List of safety equipment

Extinguishers:
- 19 ABC type extinguishers of 10 lbs
- 19 A type (water) extinguisher of 20 lbs

Description of fires and fire extinguishers:

Types of fires:
1) Type A fires are the ordinary combustible material fires such as wood, paper, cloth
2) Type B fires are flammable & combustible liquids such as gasoline, paints and solvents, alcohols, acetone
3) Type C fires involve energized electrical equipment

Types of fire extinguishers:
1) Water extinguishers are good for Type A fires only
2) CO2 extinguishers work well for Type B or C fires
3) Dry Chemical extinguishers (ABC) is a multipurpose extinguisher that is good for Type A, B and C fires

2.2 Description of Fire Alarm System:

There are three main types of devices that are controlled by the fire alarm system:

Initiating devices
These are components which give a signal to the fire alarm telling it that we may have a fire or trouble. It comprised smoke detectors, beam smoke detectors, heat detectors and manual pull stations.

Beam smoke detectors are designed to provide open area protection. The detector consists of a transmitter/receiver unit and a reflector. Smoke entering the area between them causes a reduction in signal. When the obscuration reaches alarm thresholds, the detector generates an alarm signal. Slow build up of dirt or dust on the lens of the detector are compensated for by a microcontroller that continuously monitors the signal strength and periodically updates the alarm and trouble thresholds. When the self-compensation circuit reaches its limit, the detector generates a trouble signal, indicating the need for service. Due to the sensitivity of the beams, these are used only during prolonged or unoccupied shut downs.
Three LEDs on the detector indicate the current status: a red LED for alarm, a yellow LED for trouble, and a blinking green LED for standby operation. Note: The panel controls the status of the red and green LEDs.

Three beam smoke detectors are installed in all three sections of the plant

Underneath each detector, keyed station to reset or test the detectors

Figure 1. Position of the beam smoke detectors on plant section walls

On the wall opposite the detectors, you will find a shiny piece of plastic mounted at a similar height of the detectors. These are the reflectors. Their only purpose is to reflect the projected laser beam back to the receiver unit.

In addition to the Beam devices, which are generally used only on weekends and longer breaks, the plant is equipped with heat sensing wire. The wire is located in the roof of all sections of the plant, at regular intervals. At a set temperature, this net work of wires will activate the alarms and other fire prevention devices.

The plant and shop are equipped with heat detection wires, approximately 10 feet apart, across the ceilings. These wires will trip the alarm if the heat is sufficient to complete the circuit wire within them. These wires are always armed.

2. Audible/visual warning devices
   These are the ways that the fire alarm communicates with us. In our plant we have horns and strobe lights in place for this purpose.

3. Output devices
   These are systems that have been tied in to the fire alarm to work in tandem with it. It comprised 5 rolling steel fire shutter doors that prevent the fire from spreading from one section of the plant to another thru openings in the firewall
where a conveyor is passing peat through, to the adjacent room. These doors are all operated electronically from the Fire Alarm System Control Panel and can be manually operated from the red box located above each door.

Each door is working along with conveyor blow-off systems that clean the bottoms of the conveyors so that the doors can shut cleanly on the belt. Currently there are three said systems in the plant.

![Conveyor blow-off system schematic](image)

*Figure 2. Conveyor blow-off system schematic*

Within the three systems, there are seven Air knives. These are the devices that distribute the air to clean the conveyor belt. These knives are fed by the big air receiver on the ground below/beside the openings.

![Position of the conveyors' openings of screening/mixing wall](image)

*Figure 3. Position of the conveyors' openings of screening/mixing wall*

Four rolling steel doors with one air knife each are covering the conveyor openings in the screening/mixing wall.

Two conveyor blow-off systems located near the openings.

One rolling steel doors with three air knives is covering the conveyors opening in the mixing/packaging wall.
These doors/blow-offs systems are operated electronically from the Fire Alarm Control Panel, thus receive signals from it in the event of a fire. This system will be activated in a timed sequence. The timing sequence is as follows:

- Fire Alarm is triggered
- Plant is shut down (immediate)
- Conveyor blow-off system is activated (approx. 5 sec after shutdown)
- Fire Shutter doors are closed (approx. 20 sec after shutdown)

Once this system has been activated, it needs to be reset electronically from the Fire Alarm Control Panel. The conveyor blow-off systems will then recharge themselves but the rolling steel fire shutter doors must be manually reset using the reset bars and vice grips located on the bracket just aside each shutter door. These tools should remain in the brackets designed for them.

All these functions are controlled from the Fire Alarm Control Panel which is located in the electrical room and two remote annunciators located in the lunchroom and in the office to display all alarms and trouble conditions in the system.

Finally, the system’s battery has sufficient capacity to power the fire alarm system for not less than twenty-four hours plus 5 minutes of alarm upon a normal AC power failure.
All systems are working together to provide early warning of a developing fire, however, such a system does not assure protection against property damage or loss of life resulting from a fire. Therefore, respecting the procedures of the fire alarm system is essential.

A layout with all devices location is provided in Appendix 9

**Description of Self-Contained Emergency lighting units:**
These self contained emergency lighting units are at all exits in the plant. They are a sign providing maintained or non-maintained emergency lighting, in which all the elements such as battery, the lamp and the control unit are contained within the housing. All lighting units are tested monthly and are repaired if the light goes dim within under 30 minutes of the test being complete.

**Other:**
- Ten (10) alarm pull stations
- Eleven (11) emergency lights
- One (1) fire security panel
- One (1) sprinkler control
- Eleven (11) emergency exits

**Fire alarm system maintenance**

**Monthly and Yearly Maintenance**
**Ensure that monthly inspections and testing is conducted under emergency power**

The fire alarm panel and all inputs are inspected and tested every year by indicate here supplier that proceed to yearly inspection of fire alarm system.

All portable fire extinguishers are inspected every month by our employees and annually by indicate here supplier that proceed to yearly inspection of extinguishers.

All emergency lighting are inspected every month in house internally and every year by indicate here supplier that proceed to yearly inspection of emergency lighting.

Describe maintenance for every system that required some.

See example of Manitoba’s maintenance schedule:

**Rolling Steel Fire Door preventive maintenance**

<table>
<thead>
<tr>
<th>Electrically Operated Door</th>
<th>Every 3 Months</th>
<th>Every 6 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check Limits</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Check and Lube Bearings/Bushings</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Check Idler Rollers</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check Sprockets</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Check &amp; Lube Drive Chains</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Check V-Belts</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check Safety Devices</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check Brakes and Clutches</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check Gear Box Oil</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Check Push Button Controls</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check Chain Hoist Interlock</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check General Condition of Door</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Release Device</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Electronic release device</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Test Mechanical release device</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**
- Use SAE 30 Oil (Never use grease or silicone spray)
- Do not lubricate motor, clutch or V-belt
- Motor bearings are related for continuous operation
- Inspect and service whenever malfunction is observed or suspected.
### Conveyor blow-off preventive maintenance

<table>
<thead>
<tr>
<th>Task</th>
<th>Every Week</th>
<th>Every Month</th>
<th>Every 6 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check the status of the locks on the isolation valves. Confirm all valves are locked open.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean the vent connections of the fast-acting solenoid valves and tank relief valves.</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Open the valve on the bottom of the tank to blow out any moisture or condensation.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean the outlet of the air knives of any debris (use a .04” feeler gauge).</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Physically test the operation of the system.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Confirm the check valve is preventing back-flow.</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Test the relief valve.</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
2.3 Safety equipment location
- Appendix 3 for 11” x 17” detailed view
- 22” x 34” map inside plant at “X - your position”
- 22” x 34” map inside the office for fire department & PTH management consultation

Example of Manitoba’s safety equipment location:
3 Emergency Procedures

A team member must call the Fire Department every time there is an emergency situation like a fire. The person who calls must have the capacity to contact the Fire Department and make a brief but exact summary of the fire’s nature, origin and location.

When the fire fighters are on the site, the emergency plan leader has to stay available to help and cooperate with them.

<table>
<thead>
<tr>
<th>FIRE DEPARTMENT</th>
<th>911</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMBULANCE</td>
<td></td>
</tr>
<tr>
<td>POLICE DEPARTMENT</td>
<td></td>
</tr>
<tr>
<td>POISON CONTROL CENTER</td>
<td></td>
</tr>
</tbody>
</table>

**Designated Meeting Point**

*Manitoba Plant: East Gate by Office*
## Flammable and Combustible Material:

<table>
<thead>
<tr>
<th>Description</th>
<th>*Quantity (avg.)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw peat – peat bunker</td>
<td>75,000 in 75,000 out</td>
<td>Operation include peat moss on conveyors and hopper in our processes</td>
</tr>
<tr>
<td>Wood pallets – inside</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Wood pallets – outside</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>Acetylene tank</td>
<td>2</td>
<td>1 in storage, 1 in use.</td>
</tr>
<tr>
<td>Oxygen tank</td>
<td>2</td>
<td>1 in storage, 1 in use.</td>
</tr>
<tr>
<td>Propane tank</td>
<td>6</td>
<td>5 in storage, 1 in use.</td>
</tr>
<tr>
<td>Aerosol &amp; other flammable liquids**</td>
<td></td>
<td>Various products/sizes such as aerosol paints, cleaners, lubricants, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All items stored within Flammable Storage Cabinets.</td>
</tr>
</tbody>
</table>

*Quantity can vary according to production rate, season, etc.

**Refer to: Flammable and Combustible Liquid Storage for more details for general information

Example of list of flammable liquid storage throughout the site:

<table>
<thead>
<tr>
<th>Cabinet A</th>
<th>Cabinet B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint</td>
<td>Hydraulic Oil</td>
</tr>
<tr>
<td>WD-40</td>
<td>Paint Thinner</td>
</tr>
<tr>
<td>Brake Clean</td>
<td>ATF</td>
</tr>
<tr>
<td>Heavy duty silicone spray</td>
<td>Air Compressor Oil</td>
</tr>
<tr>
<td>Silicone in Tube</td>
<td>Motor Oil</td>
</tr>
<tr>
<td>Motor Oil</td>
<td>Air Tool Oil</td>
</tr>
<tr>
<td>ATF</td>
<td>Gear Oil</td>
</tr>
<tr>
<td>Choke and Carb cleaner</td>
<td></td>
</tr>
<tr>
<td>Glass Cleaner</td>
<td></td>
</tr>
<tr>
<td>Rust Coat</td>
<td></td>
</tr>
<tr>
<td>Anti seize</td>
<td></td>
</tr>
</tbody>
</table>
5  **LIST OF CONTACT NAMES IN CASE OF AN EMERGENCY**

**PTH – RICHER**
0.3 KM NORTH OF HIGHWAY 1 ON THE WEST SIDE OF PROVINCIAL ROAD 302
RICHER (MANITOBA) R0E 1S0
TEL.: 204-422-8805 – FAX: 204-422-5295
DIRECTOR: JAMIE MCLENNAN

<table>
<thead>
<tr>
<th>FIRE DEPARTMENT</th>
<th>AMBULANCE</th>
<th>POLICE DEPARTMENT</th>
<th>POISON CONTROL CENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DELEGATED MEETING POINT**

**MANITOBA PLANT: MAIN ENTRANCE OF THE SITE**

<table>
<thead>
<tr>
<th>Name/extension</th>
<th>Cell phone</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bernard Bélanger/6235</td>
<td>418-868-4501</td>
<td>Chairman, Chief Ex. Officer</td>
</tr>
<tr>
<td>Jean Bélanger/6310</td>
<td>418-868-5365</td>
<td>Chairman, Chief Op. Officer</td>
</tr>
<tr>
<td>Guy Gagnon/6226</td>
<td>418-868-4814</td>
<td>Technical Director</td>
</tr>
<tr>
<td>Jamie McLennan</td>
<td>204-392-4909</td>
<td>Operations Director</td>
</tr>
<tr>
<td>Natalie Trembley /6927</td>
<td>418-860-7203</td>
<td>Health &amp; Safety Director</td>
</tr>
<tr>
<td>Jamie McLennan/245 (home: 205-0900)</td>
<td>204-392-4909</td>
<td>Emergency plan Leader</td>
</tr>
<tr>
<td>Steve Ullenboom/242</td>
<td>204-392-6432</td>
<td>Emergency plan Leader (Subs.)</td>
</tr>
<tr>
<td>Lead Hand on shift</td>
<td>204-371-9555</td>
<td>Emergency plan Representative</td>
</tr>
<tr>
<td>Mechanic on shift</td>
<td></td>
<td>Emergency plan Representative (Subs.)</td>
</tr>
<tr>
<td>Phil Schroen</td>
<td>Harry Prudnikov</td>
<td>Brenden Kaminski</td>
</tr>
<tr>
<td>Mike Neufeld</td>
<td>Larry Gillings</td>
<td>Vassili Prudnikov</td>
</tr>
<tr>
<td>Steve Ullenboom</td>
<td>Les Birta</td>
<td>Nicholas Friesen</td>
</tr>
<tr>
<td>Marc Ricard</td>
<td>Dave Melanson</td>
<td></td>
</tr>
</tbody>
</table>

**GPS location for air rescue:**

Production site  
Latitude: 49-33-48 N  
Longitude: 96-29-42 W
## Document Revision History

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<th>Description</th>
<th>Responsible</th>
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<td>2</td>
<td>August 9, 2012</td>
<td>Amendment</td>
<td>MCLJ</td>
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<td>3</td>
<td>August 9, 2013</td>
<td>Amendment</td>
<td>MCLJ</td>
</tr>
<tr>
<td>4</td>
<td>Feb. 14, 2017</td>
<td>Updated Contacts</td>
<td>PREJ</td>
</tr>
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Appendix C

Fire Emergency Plan

Caribou Bog, MB.
FIRE ACTION PLAN OF

Premier Tech Horticulture
Caribou Bog 2018

Located at
HIGHWAY 308 MOOSE LAKE MANITOBA
1-204-371-0911
1 FACILITY DESCRIPTION ........................................................................................................................................... 1
  1.1 FACILITY TYPE OF OPERATION: ......................................................................................................................... 1
  1.2 AVERAGE OCCUPANCY - WEEKLY OPERATION PER SHIFT ........................................................................ 1
  1.3 SITE OVERVIEW ................................................................................................................................................. 2

2 FIRE SAFETY EQUIPMENT ................................................................................................................................. 2
  2.1 LIST OF SAFETY EQUIPMENT ............................................................................................................................ 2
  2.3 SAFETY EQUIPMENT LOCATION .......................................................................................................................... 2

3 EMERGENCY PROCEDURES .................................................................................................................................. 4

4 FLAMMABLE AND COMBUSTIBLE MATERIAL: ................................................................................................. 7

5 LIST OF CONTACT NAMES IN CASE OF AN EMERGENCY .............................................................................. 9

6 DOCUMENT REVISION HISTORY ....................................................................................................................... 10
1  Facility description

1.1  Facility type of operation:

Premier Tech Horticulture harvests, manufactures and distributes a complete line of Sphagnum peat moss-based growing media and soil amendments that enhance the quality and yield of horticultural and agricultural productions.

Premier Horticulture at Caribou Site includes the following buildings:
Office Building with attached Lunchroom
Maintenance Shop with attached Washroom

Total area of storages is: 800 sq. ft.
Total area of bogs is: 1484 acres

1.2  Average occupancy - Weekly operation per shift

<table>
<thead>
<tr>
<th>Personal</th>
<th>Day</th>
<th>Evening</th>
<th>Night</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office staff</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Bog team members</td>
<td>9</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Mechanic team members</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>12</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

1.3  An agreement between all 3 neighbouring bogs has been developed and signed by all participants. (Premier Tech, F.P.M., and Jiffy Peatmoss)

The agreement covers the sharing of fire fighting equipment in the case of an emergency, where one of the participants is in need of help to fight fires.
Site overview  Caribou Bog

1.4 List of safety equipment

Extinguishers:
- 28 ABC type extinguishers of 5 lbs
- 12 ABC type extinguishers of 10 lbs
- 3 ABC type extinguishers of 20 lbs
- 16 A type (water) extinguisher of 30 lbs

Description of fires and fire extinguishers:

Types of fires:
1) Type A fires are the ordinary combustible material fires such as wood, paper, cloth
2) Type B fires are flammable & combustible liquids such as gasoline, paints and solvents, alcohols, acetone
3) Type C fires involve energized electrical equipment

Types of fire extinguishers:
1) Water extinguishers are good for Type A fires only
2) CO2 extinguishers work well for Type B or C fires
3) Dry Chemical extinguishers (ABC) is a multipurpose extinguisher that is good for Type A, B and C fires

1.5 Safety equipment location

3-1200 GALLON PULL BEHIND WATER TANKS WITH PUMPS ARE POSITIONED THROUGHOUT THE BOG NEAR THE HARVESTING LOCATIONS.

3- DITCH WATER PUMPS ARE SET UP ALONG THE MAIN ROAD AT MARKED PONDS.
**EMERGENCY PROCEDURES**

**TRAINING REQUIREMENTS**
All Team members and management who may be involved in dealing with a bog fire should be trained in fire fighting procedures and how to use the available equipment. All Team members should be trained and familiar with ditch and tanker pumps, and fill procedures.
All contractors, including truck drivers, service mechanics and visitors:
- should be issued copies of the smoking policy and the fire safety policy.
All Team members should be trained in the proper use of fire extinguishers.
Using this procedure will ensure everyone knows what to do in case of a fire.

**FORMS USED**
- Accident/Incident Form
- Water tanker training forms.

**PROCEDURE DETAILS**
Post a list of Emergency Numbers beside each phone and First Aid kits. In the case of a cellular phone, have Team members store Emergency Numbers.

A bog fire is identified by sight of wisps of smoke or flame and/or by the distinctive odor of burning peat.

Preventive measures to be taken to prevent the occurrence of fires include:
- **Watch the heat gauge in equipment for heat build up**
- **Watch for peat build up in or on the equipment**
- **Blow out the equipment regularly.**
- **Adhere to all safety rules (i.e. smoking).**
- **Do not open hot piles during high wind conditions. If in doubt, consult the bog supervisor or person in charge.**

When a fire is spotted call for help (two-way radio, CB, etc.). Inform as many people as you can, as quickly as you can.

**DO NOT ATTEMPT TO FIGHT THE FIRE BEFORE INFORMING OTHERS.**

**All Team members are called to action during a fire.**

**Stay calm, do not panic.**
Designate someone to take charge of the situation (typically the Supervisor) – if the bog Supervisor is unavailable, the lead hand or most senior person on site is to take charge.
Assess the situation.
What is the scope of the fire?
Will a water extinguisher be able to handle the situation?
Get the appropriate equipment to the site.
If the fire wagons and additional equipment are needed have someone available to help hook up tankers.
Bring all other persons in with extinguishers, pails, shovels, etc. (whatever resources are needed or available).
If other Team members are not needed to assist at the site, everyone should check their equipment for possible sources of fire.
The person in charge will contact the required resources or assign someone to contact them (internal company persons, Fire Departments, Dept. Natural Resources etc).

**Use extreme caution during high wind conditions.**

Once the fire wagon(s) and the tooth harrows are on site and ready, use the tooth harrows (digging deeply) around the perimeter to control the spread of fire.

Never take equipment into a zone where visibility is limited due to heavy smoke.

Do not open burning piles. Soak the surface and the surrounding area with a rain-like jet of water.

Once the surface is extinguished, if it is determined that there is fire in the pile, the proper nozzle should be used for injecting water internally into the pile.

Do not walk up a pile that has smoldering ashes, embers or flames as this may hide the fire by pushing it into the pile.

Use extreme caution with mobile equipment as using the wheel loader to pull down burning peat often spreads the fire and cause more hidden fires.

Completely extinguish the fire and wet down the entire fire area.

**Maintain a fire watch and Restore all fire equipment to proper condition.**

Any team member may call the Fire Department if there is an Emergency Situation like a fire. The person who calls must have the capacity to contact the Fire Department and make a brief but exact summary of the fire’s nature, origin and location.

When the fire fighters are on the site, the emergency plan leader has to stay available to direct and cooperate with them.

<table>
<thead>
<tr>
<th>FIRE CENTER</th>
<th>204-345-1418</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMBULANCE</td>
<td>218-463-2500</td>
</tr>
<tr>
<td>POLICE DEPARTMENT</td>
<td>204-437-2041</td>
</tr>
<tr>
<td>POISON CONTROL CENTER</td>
<td>204-787-2591</td>
</tr>
</tbody>
</table>
DESIGNATED MEETING POINT

IN THE EVENT OF AN EMERGENCY EVACUATION THE MUSTER POINT IS JUST OUTSIDE THE ENTRANCE GATE

**CARIBOU BOG: BESIDE MAIN ENTRANCE GATE**
## Flammable and Combustible Material:

<table>
<thead>
<tr>
<th>Description</th>
<th>*Quantity (avg.)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetylene tank</td>
<td>1 in storage, 1 in use.</td>
<td></td>
</tr>
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<td>Oxygen tank</td>
<td>1 in storage, 1 in use.</td>
<td></td>
</tr>
<tr>
<td>Propane tank</td>
<td>2 in storage, 1 in use.</td>
<td></td>
</tr>
<tr>
<td>Aerosol &amp; other flammable liquids**</td>
<td></td>
<td>Various products/sizes such as aerosol paints, cleaners, lubricants, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All items stored within Flammable Storage Cabinets.</td>
</tr>
</tbody>
</table>

*Quantity can vary according to production rate, season, etc.

**Refer to : Flammable and Combustible Liquid Storage for more details for general information

### Cabinet A

- Paint
- WD-40
- Brake Clean
- Heavy duty silicone spray
- Silicone in Tube
- Motor Oil
- ATF
- Choke and Carb cleaner
- Glass Cleaner
- Anti seize

### In oil shed

- Hydraulic Oil
- Paint Thinner
- ATF
- Air Compressor Oil
- Motor Oil
- Air Tool Oil
- Gear Oil
- Gasoline
- In oil shed South side of the maintenance shop -

### Cabinet B
- ATF
- Air Compressor Oil
- Paint
- Silicone in Tube
- Brake clean

### In shop
- Paint Thinner
- Motor Oil
- Air Tool Oil
- WD-40
- Lock-tight

- South wall of the maintenance shop –
LIST OF CONTACT NAMES IN CASE OF AN EMERGENCY

Caribou bog
36 KMs SOUTH OF HIGHWAY 1 ON THE WEST SIDE OF PROVINCIAL ROAD 308
Shop TEL.: 204-371-4766
MANAGER: JOHN PREVOST 204-371-0911

FIRE DEPARTMENT
Sprague
204-437-3131
204-437-2322

AMBULANCE- (Roseau) Minn.
Bethesda – (Steinbach) Man.
Stars Air Ambulance
218-463-2500
204-326-6411
911 or 204-786-4647

POLICE DEPARTMENT
204-437-2041

POISON CONTROL CENTER
204-787-2591

DESIGNATED MEETING POINT

CARIBOU BOG: BESIDE MAIN ENTRANCE GATE

<table>
<thead>
<tr>
<th>Name/extension</th>
<th>Cell phone</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bernard Bélanger/6235</td>
<td></td>
<td>Chairman, Chief Ex. Officer</td>
</tr>
<tr>
<td>Jean Bélanger/6310</td>
<td></td>
<td>Chairman, Chief Op. Officer</td>
</tr>
<tr>
<td>Guy Gagnon/6226</td>
<td>418-868-4814</td>
<td>Technical Director</td>
</tr>
<tr>
<td>Jamie McLennan</td>
<td>204-392-4909</td>
<td>Operations Director</td>
</tr>
<tr>
<td>Marc St-Pierre</td>
<td>1-403-415-5590</td>
<td>Health &amp; Safety Director</td>
</tr>
</tbody>
</table>

Intervention committee CENTER
418-862-6356 in RDL

Participant
204-422-8805

Jamie McLennan (home 485-1203) 204-392-4909 Emergency plan Leader
John Prevost / (home 437-2464) 204-371-0911 Emergency plan Leader (Subs.)
Kevin Milne/ (home 437-2476) 204-392-5856 Emergency plan Representative

Eddy Faskerti 204-371-4766 Emergency plan Representative (Subs.)

First Aid Team

Eddy Faskerti                     Safety Comm.Reps
Darryl Pederson                  Safety Comm.Reps
Don Brindle                      First Aid person
All senior employees            First Aid person

GPS location for air rescue:
Shop yard site Latitude: 49-23-36
Longitude: 95-21-11
## Document Revision History

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<th>Date</th>
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<th>Responsible</th>
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<td>Original version</td>
<td>PREJ</td>
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<tr>
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<td>Feb 28, 2013</td>
<td>Caribou Version</td>
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<td>3</td>
<td>Mar 23, 2017</td>
<td>Revised Caribou Version</td>
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<td>4</td>
<td>Feb 23, 2018</td>
<td>Revised Caribou Version</td>
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