



**Conservation and Water Stewardship**

Environmental Stewardship Division

Environmental Approvals Branch

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**CLIENT FILE NO.: 2717.00**

November 25, 2014

Rick Knechtel, Plant Manager

Prairie Forest Products

P.O. Box 279

Neepawa MB R0J 1H0

Dear Mr. Knechtel:

Enclosed is **revised Environment Act Licence No. 1382 RR** dated October 16, 2014 issued to **Prairie Forest Products** for the operation of the Development being a Copper Chrome Arsenate, Alkaline Copper Quaternary, MP200C-TS and MTZ Wood Preservation Plant, a drying kiln, a bandsaw and planer to resaw and plane untreated lumber, wood storage and a manufacturing plant in the R.M. of Langford, and in accordance with the Proposal filed under *The Environment Act* on August 15, 1989, and alteration requests filed on January 12, 1994, September 23, 1994, February 8, 2005, and September 22, 2014.

In addition to the enclosed Licence requirements, please be informed that all other applicable federal, provincial and municipal regulations and by-laws must be complied with. A Notice of Alteration must be filed with the Director for approval prior to any alteration to the Development as licensed.

For further information on the administration and application of the Licence, please feel free to contact Peter Crocker, Environment Officer at 204-726-6565.

Pursuant to Section 27 of *The Environment Act*, this licensing decision may be appealed by any person who is affected by the issuance of this Licence to the Minister of Conservation and Water Stewardship within 30 days of the date of the Licence.

Yours truly,

*“original signed by”*

**Tracey Braun, M.Sc.**

Director

Environment Act

c: Don Labossiere, Director, Environmental Compliance and Enforcement Branch

Tim Prawdzik, Manager - Western Region, ECE Branch (**via email**)

Public Registries

**NOTE:** Confirmation of Receipt of this Licence No. 1382 RR (*by the Licensee only*) is required by the Director of Environmental Approvals. Please acknowledge receipt by signing in the space provided below and faxing a copy (letter only) to the Department by December 9, 2014.

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On behalf of Prairie Forest Products

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Date

**\*\*A COPY OF THE LICENCE MUST BE KEPT ON SITE AT THE DEVELOPMENT AT ALL TIMES\*\***

Licence No. / Licence n°	<u>1382 RR</u>
Issue Date / Date de délivrance	<u>July 12, 1990</u>
Revised :	<u>June 23, 2005</u>
Revised:	<u>November 25, 2014</u>

In accordance with *The Environment Act* (C.C.S.M. c. E125) /  
Conformément à la *Loi sur l'environnement* (C.P.L.M. c. E125)

Pursuant to Section 10(1) and 14(2) / Conformément au Paragraphe 10(1) et 14(2)

THIS LICENCE IS ISSUED TO: / CETTE LICENCE EST DONNÉE À:

**PRAIRIE FOREST PRODUCTS;**  
**"the Licencee"**

for the operation of the Development being a Copper Chrome Arsenate (CCA), Alkaline Copper Quaternary (ACQ), MP200C-TS and MTZ Wood Preservation Plant, a drying kiln, a bandsaw and planner to resaw and plane untreated lumber, wood storage and a manufacturing plant on the SE corner of Section 31, Township 14, Range 15WPM in the Rural Municipality of Langford, and in accordance with the Proposal filed under The Environment Act on August 15, 1989, and alteration requests filed on January 12, 1994, September 23, 1994, February 8, 2005, and September 22, 2014 and subject to the following specifications, limits, terms and conditions:

**DEFINITIONS**

In this Licence,

**"accelerated fixation process"** means the accelerated drying of the treated wood to hasten the fixation of the chemicals in the wood. This may be accomplished for example by placing the treated wood in a drying kiln.

**"ACQ"** means the alkaline copper quaternary preservative chemical;

**"accredited laboratory"** means an analytical facility accredited by the Standard Council of Canada (SCC), or accredited by another accrediting agency recognized by Manitoba Conservation and Water Stewardship to be equivalent to the SCC, or be able to demonstrate, upon request, that it has the quality assurance/quality control (QA/QC) procedures in place equivalent to accreditation based on the international standard ISO/IEC 17025, or otherwise approved by the Director;

**"affected area"** means a geographical area, excluding the property of the Development;

**"approved"** means approved by the Director or assigned Environment Officer in writing;

**"CCA"** means the chromated copper arsenate preservation chemical;

**"chemical"** includes but is not limited to petroleum products, fertilizers and pesticides;

**"Director"** means an employee so designated pursuant to *The Environment Act*;

**"drip pad"** means a reinforced concrete pad which has a surface treatment (sealed surface) to prevent the penetration of chemicals and which is used to place freshly treated wood while waiting for it to dry or for it to be moved to an accelerated fixation process;

**"fixation"** means the completion of the chemical processes that cause the wood preservative to adhere strongly to the wood so as to resist leaching that would occur by natural weathering;

**"noise nuisance"** means a continuous or repeated noise in an affected area, which is offensive, obnoxious, troublesome, annoying, unpleasant or disagreeable to a person:

- a) residing in an affected area;
- b) working in an affected area; or
- c) present at a location in an affected area which is normally open to the members of the public;

if the noise

- d) is the subject of at least 5 written complaints, received by the Director in a form satisfactory to the Director, and within a 90 day period, from 5 different persons falling within clauses a), b), or c), who do not live in the same household; or
- e) is the subject of at least one written complaint, received by the Director in a form satisfactory to the Director, from a person falling within clauses a), b), or c), and the Director is of the opinion that if the unwanted sound had occurred in a more densely populated area there would have been at least 5 written complaints received within a 90 day period from 5 different persons who do not live in the same household;

**"odour nuisance"** means a continuous or repeated odour, smell or aroma, in an affected area, which is offensive, obnoxious, troublesome, annoying, unpleasant or disagreeable to a person:

- a) residing in an affected area;
- b) working in an affected area; or
- c) present at a location in an affected area which is normally open to members of the public;

if the odour, smell or aroma

- d) is the subject of at least 5 written complaints, received by the Director in a form satisfactory to the Director and within a 90-day period, from 5 different persons falling within clauses (a), (b) or (c), who do not live in the same household; or
- e) is the subject of at least one written complaint, received by the Director in a form satisfactory to the Director, from a person falling within clauses (a), (b) or (c) and the Director is of the opinion that if the odour, smell or aroma had occurred in a more densely populated area there would have been at least 5 written complaints received within a 90-day period, from 5 different persons who do not live in the same household.

"QA/QC" means quality assurance/quality control;

"sewage" means household and commercial wastewater that contains human waste;

"Standard Methods for the Examination of Water and Wastewater" means the most recent edition of Standard Methods for the Examination of Water and Wastewater published jointly by the American Public Health Association, the American Waterworks Association and the Water Environment Federation;

"structure" means any enclosed building where any of the processes involved in treating wood with wood preservatives takes place;

"treatment chemicals" means wood preservatives and solutions of wood preservatives, used in these wood treatment processes to render wood resistant to decay;

"treatment cylinder" means a long horizontally mounted thick walled metal cylinder with a hinged opening in one end, that can be sealed to withstand vacuum and high pressure, in which wood is placed to be impregnated with the wood preservative solution;

"treatment process" means the process of impregnating wood with a wood preservative solution and subsequent fixation of the chemical in the wood either by air drying or an accelerated fixation process; and

"wood preservative" means a chemical including CCA, ACQ, MP200C-TS and MTZ or combination of chemicals for protecting wood against deterioration from decay, insects, marine borers, fire, weathering, absorption of water, and/or chemical action.

### **GENERAL TERMS AND CONDITIONS**

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. In addition to any of the limits, terms and conditions specified in this Licence, the Licencee shall, upon the request of the Director:
  - a) sample, monitor, analyze and/or investigate specific areas of concern regarding any segment, component or aspect of pollutant storage, containment, treatment, handling, disposal or emission systems, for such pollutants or ambient quality, aquatic toxicity, leachate characteristics and discharge or emission rates, for such duration and at such frequencies as may be specified;
  - b) determine the environmental impact associated with the release of any pollutant(s) from the Development;
  - c) conduct specific investigations in response to the data gathered during environmental monitoring programs; or
  - d) provide the Director, within such time as may be specified, with such reports, drawings, specifications, analytical data, descriptions of sampling and analytical procedures being used,

bioassay data, flow rate measurements and such other information as may from time to time be requested.

2. The Licencee shall, unless otherwise specified in this Licence:
  - a) carry out all preservations and analyses on liquid samples in accordance with the methods prescribed in the most current edition of Standard Methods for the Examination of Water and Wastewater or in accordance with equivalent preservation and analytical methodologies approved by the Director;
  - b) carry out all sampling of, and preservation and analyses on, soil, compost, and air samples in accordance with methodologies approved by the Director;
  - c) have all analytical determinations undertaken by an accredited laboratory; and
  - d) report the results to the Director, in writing and in an electronic format acceptable to the Director, within 60 days of the samples being taken.
3. The Licencee shall submit all information required to be provided to the Director or Environment Officer under this Licence, in writing, in such form (including number of copies) and of such content as may be required by the Director or Environment Officer, and each submission shall be clearly labelled with the Licence Number and Client File Number associated with this Licence.
4. The Licencee shall not cause or permit an odour nuisance to be created as a result of the construction, operation or alteration of the Development, and shall take such steps as the Director may require to eliminate or mitigate an odour nuisance.
5. The Licencee shall not cause or permit a noise nuisance to be created as a result of the construction, operation or alteration of the Development, and shall take such steps as the Director may require to eliminate or mitigate a noise nuisance.
6. The Licencee shall, in the case of physical or mechanical equipment breakdown or process upset where such breakdown or process upset results or may result in the release of a pollutant in an amount or concentration, or at a level or rate of release, that causes or may cause a significant adverse effect, immediately report the event by calling 204-944-4888 (toll-free 1-855-944-4888). The report shall indicate the nature of the event, the time and estimated duration of the event and the reason for the event.
7. The Licencee shall, following the reporting of an event pursuant to Clause 6,
  - a) identify the repairs required to the mechanical equipment;
  - b) undertake all repairs to minimize unauthorized discharges of a pollutant;
  - c) complete the repairs in accordance with any written instructions of the Director; and
  - d) submit a report to the Director about the causes of breakdown and measures taken within one week of the repairs being done.
8. The Licencee shall operate the facility in accordance with practices recommended in the most recent edition of "Recommendations for the Design and Operation of Wood Preservation Facilities" (published by Environment Canada) regarding the operation of the wood treatment facilities, and in accordance with all applicable federal and provincial regulations.

9. The Licencee shall limit and control access to the treatment facility including storage tanks, pressure cylinder, supply lines and drip pads to prevent vandalism or access by unauthorized persons.
10. The Licencee shall install and maintain, for all structure(s) used for wood preservation, curing or storage, an automatic system(s) for fire detection and security.
11. The Licencee shall implement a high standard of equipment maintenance and good housekeeping and operational practices with respect to the Development.
12. The Licencee shall reduce the production and dissemination of wastes by initiating and maintaining waste reduction and waste recycling programs.
13. The Licencee shall designate an employee, within 60 days of the date of issuance of this Licence, as the Licencee's Environmental Coordinator, whose job description will include assisting the Licencee in complying with the limits, terms and conditions in this Licence and assisting Senior Management of *Prairie Forest Products* to manage environmental issues at the Development. The name of the Environmental Coordinator shall be submitted in writing to the Director within 14 days of appointment.

#### **SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS**

14. The Licencee shall comply with all the applicable requirements of:
  - a) Manitoba Regulation 188/2001, or any future amendment thereof, respecting the *Storage and Handling of Petroleum Products and Allied Products*;
  - b) *The Dangerous Goods Handling and Transportation Act*, and regulations issued thereunder, respecting the handling, transport, storage and disposal of any dangerous goods brought onto or generated at the Development; and
  - c) the Office of the Fire Commissioner – Province of Manitoba.
15. The Licencee shall provide containment for all vessels containing chemicals in each area of the development where the chemicals are stored, loaded, transferred, used or otherwise handled, in compliance with the National Fire Code of Canada (2010), or any future amendment thereof, such that any product leakage or spillage and any contaminated liquid generated is contained within the Development and contamination of groundwater is prevented.
16. The Licencee shall not direct any spilled treatment chemical, contaminated run-off or pollutant, other than sewage, to an approved sewage disposal system.

#### **Respecting Wood Treatment Process**

17. The Licencee shall contain on the Development:
  - a) any on-site wood preservative spill;
  - b) waste water generated from any response action due to an on-site release of wood preservatives; and
  - c) contaminated water resulting from the extinguishing of any fire involving wood preservative chemicals or wood treated with preservatives.

18. The Licencee shall contain and clean up immediately any spills of treatment chemicals, dangerous goods or petroleum products in order to prevent soil, surface water or ground water contamination.
19. The Licencee shall construct and maintain the concrete floors and curbs of all chemical storage areas, process equipment areas, the sump, and drip pads so as to prevent spilled liquids from leaking into the soil.
20. The Licencee shall place all above ground storage tanks on a reinforced and sealed concrete pad surrounded by a curb. Either the curb shall be of sufficient height to contain 110 percent of the volume of the largest storage tank or the pad shall drain to a sump constructed of impervious material with capacity to hold 110 percent of the volume of the largest tank.
21. The Licencee shall fill all tanks from the top and shall equip all tanks with level indicator gauges and with audible alarm full-level indicators to prevent accidental overfilling.
22. The Licencee shall equip all storage tanks and system lines with emergency shut off valves.
23. The Licencee shall locate all process pumps, liquid supply lines, and the pressure cylinder on a curbed reinforced and sealed concrete pad, that is sloped toward a sump, in order to facilitate the cleanup of excess preservative which may leak or spill.
24. The Licencee shall protect all tanks and pipes from freezing if the treatment facility operates during the time of the year when ambient air temperatures are below freezing.
25. The Licencee shall construct, under the track used to feed the bundles of wood to and from the pressure cylinder, a sealed concrete pad, which is sloped toward a sump. This could form a part of the drip pad, but if the track extends beyond the drip pad(s) it shall be wide enough to prevent any chemicals that may escape from the freshly treated wood from contacting the soil.
26. The Licencee shall construct a drip pad(s) to hold the freshly treated wood until the wood preservative is fixed in the wood. The drip pad(s) is to be sloped toward a sump to facilitate cleanup and recycling of wood preservative residues. The treated wood shall remain on a drip pad until the chemical fixation is complete, as evidenced by a standard fixation test approved by the Director. The drip pad(s) shall be of sufficient area to hold the wood which would be treated in the course of a normal fixation cycle.
27. The Licencee shall ensure that the sump to which any outdoor (no roof) drip pad(s) drain has sufficient capacity to hold the volume of water produced by 10.0 cm of precipitation in a 24 hour period. Water collected shall be used as makeup water in the process. Alternately, the drip pad(s) shall be covered to eliminate the need to manage the precipitation water.
28. The Licencee shall maintain the volume capacity in Clauses 20 and 27 of this Licence by the regular removal and recycling of all accumulated fluids.
29. The Licencee shall enclose the drip pad(s) in a heated structure if wood is treated during months when the outside ambient temperature is below freezing.

30. The Licencee shall construct a walkway around the periphery of the drip pad(s) to enable workers to avoid walking on the contaminated surface of the pad.
31. The Licencee shall make every effort to prevent tractor or other wheeled vehicle tires from tracking wood preservatives residues from the drip pad(s) to the soil in other areas of the property.

### **Respecting Treated Wood Storage**

32. The Licencee shall grade the treated wood storage yard to prevent ponding of snowmelt and rainwater but slopes should be gradual to prevent water erosion. The site shall be drained by well defined ditches.

### **Respecting Waste Management**

33. The Licencee shall recycle water used to wash the drip pad(s) by using it as makeup water in the process. Wash water that contains residues of treatment chemicals shall not be released to the land or water environment.
34. The Licencee shall store any sludge collected from the pressure cylinder, the sumps or the storage tanks in sealed drums that are properly labeled. All drums containing contaminated waste shall be stored on a curbed sealed concrete pad which shall be located in an enclosed secure building to protect them from the weather and to prevent damage by vandals.
35. The Licencee shall not burn end cuttings and scraps of treated wood but rather shall dispose them by burial in an approved waste disposal ground.
36. The Licencee shall manage the waste sawdust from the operation of the bandsaw and planer to minimize the risk of fire and to ensure that sawdust residues do not adversely affect adjacent properties.
37. The Licencee, subject to obtaining approval from an Environment Officer, shall immediately dispose of any contaminated material in accordance with the approval.

### **Respecting Environmental Monitoring**

38. The Licencee shall carry out an environmental monitoring program to determine concentrations of preservative residues in soils, surface water and ground water on or adjacent to the property. The Licencee shall be responsible for the design of the monitoring program although consultation with the Director and other staff of Manitoba Conservation during the development of the design is recommended. The design of the monitoring program will be submitted for approval by the Director, no more than 90 days after the issue date of this revised licence.

### **Respecting Reporting**

39. The Licencee shall prepare an annual report and submit it to the Director by December 31 of each year. The report shall include the locations where all soil and water samples were collected, the results of the chemical analyses, the volume of contaminated sludge in storage, and the volume of wood preservative used in the previous year. These reports will provide assessments of any trends



detected over the reporting period. Any changes in the wood treatment process, as well as any leaks or spills to the soil shall be reported to the Director immediately.

**Respecting Emergency Response Planning**

40. The Licencee shall prepare, within 90 days of the date of issuance of this Licence, and maintain an emergency response contingency plan in accordance with the Canadian Centre for Occupational Health and Safety “Emergency Response Planning Guide” or other emergency planning guidelines acceptable to the Director.

**Respecting Site Decommissioning**

41. The Licencee shall submit within one (1) year prior to closure of the facility, for the approval of the Director, a formal detailed Decommissioning Plan for the facility.
42. The Licencee shall implement, on closure of the facility, the approved Decommissioning Plan.

**REVIEW AND REVOCATION**

- A. Environment Act Licence No. 1382 R issued June 23, 2005 to Prairie Forest Products Ltd. is hereby rescinded.
- B. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.
- C. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms, or conditions of this Licence, the Director may require the filing of a new proposal pursuant to Section 10 of *The Environment Act*.

*“original signed by”*

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**Tracey Braun, M.Sc.**  
**Director**  
**Environment Act**

**Client File No.: 2717.00**