C-b-496

PROVINCE OF MANITOBA

CLEAN ENVIRONMENT COMMISSION

304 - 401 YORK AVE., WINNIPEG R3C 0P8
TELEPHONE 944-7982

October 31st, 1972

231 m.s.

ORDINARY LICENCE - SPRUCE PRODUCTS LIMITED
NW¼ 28-36-27W
Rural Municipality of Swan River

This licence is issued pursuant to The Clean Environment Act permitting Spruce Products Limited to operate a waste wood burner on their property located on NW¼ 28-36-27W in the Rural Municipality of Swan River, subject to the following condition:

1) The licensee shall submit to the Clean Environment Commission within one year of the date of issuance of this licence a proposal for the modification of the waste wood burner to ensure that emissions to the air will comply with the atmospheric emission standards set out in Schedule "C" attached hereto.

K. M. Sleeth
Vice Chairman,
Clean Environment Commission

assigned to Engineering
MAR 30 1973

SCHEDULE "C" - ATMOSPHERIC EMISSION CRITERIA

1. In this Schedule:

a) "Ringelmann Smoke Chart" means the Ringelmann Smoke Chart published by the United States Bureau of Mines and used in accordance with the instructions published by the said Bureau.

b) "Smoke" means the emissions, whether visible or not, resulting from oxidation, or other chemical action, and containing either liquid or solid particles less than one-tenth of one micron in mean diameter.

c) "Point of impingement" means the place or point of impingement of an emission with or at the ground.

2. (1) Smoke

i. shall be limited to a density of not more than number two on the Ringelmann Smoke Chart fro a period or periods totalling not more than four minutes in one half hour, nor more than eight continuous minutes at any time at the point of emission.

ii. shall be limited, during the lighting of new fires in heating equipment, to a density of not more than number three on the Ringelmann Smoke Chart for a period or periods totalling not more than three minutes in one quarter hour nor more than six continuous minutes at any time at the point of emission.

(2) Solid particulate matter - shall be limited to a weight of not more than four tenths (0.4) of one grain per cubic foot of atmosphere calculated at a temperature of sixty-eight (68) degrees Fahrenheit and at a pressure of thirty (30) inches of mercury at the point of emission.

(3) Solid products of combustion - shall be limited to a weight of four tenths (0.4) of one grain per cubic foot of gas calculated at a temperature of sixty-eight (68) degrees Fahrenheit and at a pressure of thirty (30) inches of mercury and with a carbon dioxide content of twelve per centum at the point of emission.

(4) Sulphur compounds - shall be limited to two-tenths (0.2) of one per centum by volume of the gases present calculated at a temperature of sixty-eight (68) degrees Fahrenheit and at a pressure of thirty (30) inches of mercury and with a carbon dioxide content of twelve (12) per centum at the point of emission.

3. Other and specific contaminants at point of impingement - for the air contaminant listed in column 1 of Table 1 hereunder the amount thereof in the atmosphere at the point of impingement measured in accordance with column 2 shall not be greater than the amount shown in column 3 for the period of time shown in column 4.

TABLE I

ITEM	COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
	name of contaminant	measurement of concentration	amount of concentration at point of impingement	period of time measured
1	sulphur dioxide	parts of sulphur dioxide per one million parts of air by volume	0.3	30 minutes average
2	suspended particulate	micrograms of suspended particulate per cubic meter of air		
	industrial and commercial		200	30 minutes average
	Residential and rural		100	30 minutes average
3	dustfall	tons of dustfall per square mile per month	15	one month
4	carbon monoxide	parts of carbon monoxide per one million parts of air by volume	5	30 minutes average
5	fluorides	parts of fluorides per one billion parts of air by volume	10	30 minutes average
6	beryllium	micrograms of beryllium per cubic meter of air	0.01	30 minutes average
7	lime	micrograms of lime per cubic meter of air	20	30 minutes average
8	chlorine	parts of chlorine per one million parts of air by volume	0.1	30 minute average

Cont'd ....

ITEM	COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
9	hydrogen sulphide	parts of hydrogen sulphide per one million parts of air by volume	0.03	30 minutes average
10	ammonia	parts of ammonia per one million parts of air by volume	5	30 minutes average
11	carbon bisulphide	parts of carbon bisulphide per one million parts of air by volume	0.15	30 minutes average
12	hydrogen chloride	parts of hydrogen chloride per one million parts of air by volume	0.04	30 minutes average
13	lead	micrograms of lead per cubic meter of air	20	30 minutes average