

Environment Act Licence

Manitoba
Environment and
Workplace Safety
and Health



Licence No. 1222
Issue Date September 7, 1988

In accordance with the Manitoba Environment Act (C.C.S.M. c. E125)
THIS LICENCE IS ISSUED TO:

HADIKEN CONCRETE & SUPPLY LTD.: APPLICANT

The following limits, terms and conditions shall be complied with in connection with the operation of a quarry located in the Northeast Portion of Legal Subdivisions 9, 10, 15 and 16 of Section 13-14-5E in the Rural Municipality of St. Clements.

1. The Applicant shall not permit the operation of any equipment, as defined in Clause 10 of this licence, used in quarry operations between the hours of 8:00 p.m. of one day to 6:00 a.m. of the following day, or at any time on Sundays or statutory holidays, unless otherwise approved by the Director in writing.
2. The Applicant shall not, with respect to blasting at the site of the quarry operation, cause or permit the emission of:
 - a) sound which exceeds the following limits when measured beyond the property line of the quarry operation:
 - (i) within 15 metres of a building maintained as a dwelling, 130 decibels linear peak sound pressure level;
 - (ii) within 15 metres of any building maintained for use other than as a dwelling, 150 decibels linear peak sound pressure level;
 - (iii) where any person other than an employee of the operation is exposed, 140 decibels linear peak sound pressure level;

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2. b) soil-borne vibrations which exceed the following limits when measured beyond the property line of the said operation and inside a building below grade or less than one metre above grade:
 - (i) for any building maintained as a dwelling, 12 millimetres per second peak particle velocity in any one of three mutually perpendicular directions (vertical, radial, and transverse to the source);
 - (ii) for any building maintained for use other than as a dwelling, 50 millimetres per second peak particle velocity in any one of three mutually perpendicular directions (vertical, radial, and transverse to the source).
3. The Applicant shall not cause or permit blasting to take place on the site of the quarry operation between 4:00 p.m. of any day and 9:00 a.m. of the following day, or at any time on a Saturday or Sunday, except in emergency conditions as defined in Clause 10.
4. The Applicant shall record and retain a log of all blasts conducted as part of the quarry operation, for inspection by authorized officials of the Rural Municipality of St. Clements, the Mines Branch and the Environmental Management Division, the log to include a sketch of the blast area showing the locations, depth, weight and composition of charges, the type, arrangement and delay timings of detonators used, the time of firing and details of any malfunctions or misfires together with a record of the corrective actions taken.
5. The Applicant shall not cause or permit visible particulate emissions from any point of emission of the quarry operation, except blasting, that exhibit an opacity greater than or equal to:
 - (a) 40 percent at any time;
 - (b) 20 percent for more than four minutes in the aggregate in any one hour.
6. The Applicant shall limit the wind entrainment of particulate matter from any source of the quarry operation, except blasting, to the extent that the particulate matter does not exhibit an opacity in excess of 5 percent beyond the property line of the quarry operation.

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7. The Applicant shall not permit open burning on the site of the quarry operation.
8. The Applicant shall not extend the quarry operation into the underground water table without prior written approval from the Director.
9. The Applicant shall, at all times, enforce a high standard of equipment maintenance, staff training, operating procedures and good housekeeping practices consistent with complying with the limits, terms and conditions prescribed in this licence.
10. In this Licence:
 - (a) "operation of any equipment" means drills, crushers and front end loaders, trucks, conveyors when used for drilling, loading, dumping or moving of product or equipment in the quarry;
 - (b) "linear peak sound pressure level" means the maximum absolute sound pressure as measured using a sound level monitoring device which equals or surpasses the requirement of International Electrotechnical Commission (I.E.C.) Publications 179 (1973) "precision sound level meters" and 179A (1973) "Additional characteristics for the measurement of impulsive sounds", including section 4.5.1, using "linear" weighting network and "peak hold" meter responses, or the equivalent;
 - (c) "peak particle velocity" means the maximum instantaneous velocity experienced by the particles of a medium when set into transient vibratory motion, and is the greatest velocity of any of the three mutually perpendicular directions (vertical, radial, and transverse to the source);
 - (d) "emergency conditions" means activities taken to deal with a misfire of explosives or threatening weather conditions that may affect the safety of a scheduled blast.



C. B. Orcutt
Director
Environmental Control Services

File: 2950.00

Environment and Workplace
Safety and Health

Environmental Management

Building 2
139 Tuxedo Avenue
Winnipeg, Manitoba, CANADA
R3N 0H6

FILE: EC 3.1

Lic 1222

October 3, 1988

Mr. Lawrence Hadiken
Hadiken Concrete & Supply Ltd.
Box 2170
SWAN RIVER, Manitoba
R0L 1Z0

Dear Mr. Hadiken:

RE: ENVIRONMENT ACT LICENCE NO. 1222

In response to your letter of September 14, 1988, please be advised that Clause 1 of Environment Act Licence No. 1222 is withdrawn for a one year period commencing **October 1, 1988**.

It will be our intention to review the provisions of Licence No. 1222 in conjunction with your operation on or before **October 1, 1989**, or if citizen complaints as a result of your operation are filed with us.

Yours truly,

ORIGINAL SIGNED BY
C. S. ORCUTT

Carl Orcutt
Director
Environmental Control Services

cc: Licence No. 1222 Distribution File: 2950.00

cc: /ic October 6, 1988