

LMMMR News

News from Conservation's Environmental Services: Livestock Section

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Source Water Monitoring

Section 6.1(3) of the *Livestock Manure and Mortalities Management Regulation (LMMMR)* requires operations with 300 or greater animal units to submit to Manitoba Conservation the analysis results of their livestock's primary drinking water source. Manitoba Conservation must receive the submissions by December 31 of each year or the operation is deemed to be deficient. Manitoba Conservation is in the process of conducting enforcement action against a number of operators who failed to comply with Section 6.1(3) of the LMMMR in 2009 and will continue to enforce against non-compliant operators in subsequent years.

Information Bulletin 2004-01E (revised May 2009) describes how operators can meet the requirements of the LMMMR. Prior to sampling, contact your laboratory to obtain special bottles that are required for analysis. The laboratory should also supply you with a sampling protocol that addresses labeling, handling, and transportation of the samples. Please note that samples must be analyzed by a laboratory that has either CALA (Canadian Association of Laboratory Accreditation) or SCC (Standards Council of Canada) accreditation for each parameter. A copy of Information Bulletin 2004-01E is available on our website at <http://www.gov.mb.ca/conservation/envprograms/livestock/>.



Environmental Livestock Program

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End-of-Lay Hens Composting in a Solid Manure Storage Structure

Disposal of mortalities is subject to Section 15 of the *Livestock Manure and Mortalities Management Regulation* MR 42/98. Properly managed composting of end-of-lay hens is considered as an environmentally safe method of mortalities disposal. Mortality composting is subject to Section 15.1(1) of the Regulation. Composting sites shall be located at least 100 m away from any surface watercourse, sinkhole, spring, well and property boundaries; and shall be constructed to provide adequate surface water, groundwater and soil protection.

To obtain approval from the Director, an operator shall submit a written request detailing the composting process, the site and the facility. Manitoba Conservation staff will assess the suitability of the proposed site and prepare a letter of authorization or denial to commence. Where necessary, the Director may impose conditions on the location, construction and operation of the composting facility.

A potential site that can be used for composting end of lay hens is a concrete solid manure storage structure that has been constructed under the authority of a permit issued by Manitoba Conservation. These structures are suitable for composting provided there is no manure in the facilities. In some cases operators with unused manure storage space may opt to use a portion of the storage facility for composting while manure is being piled on the other side, however, the mortality compost shall not contact, or be contaminated by manure or liquid from manure. Using a single structure for both manure storage and composting may only take place under one of the following conditions.

- When the manure storage structure is proposed to be used for end-of-lay hens composting in a parallel windrow with manure pile without physical separation. Under this condition the operator is required to only perform the initial composting in the facility and complete the curing stage outside the structure. This prevents any potential contamination of compost pile with leachate from the manure pile.
- An operator with sufficient unused storage space may dedicate a portion of the structure for end-of-lay hens composting. The two portions shall be physically separated, such as with a permanent wall, so that no leachate from manure pile can contaminate the compost pile. Under this condition both the composting and curing stage can take place in the dedicated space in the manure storage structure.

To obtain approval from the Director to modify a manure storage facility for composting end-of-lay hens in conjunction storage of manure in the same facility, an operator shall submit details about the composting process and the dedicated composting location in the facility. Manitoba Conservation, Environmental Engineering Section staff will assess the suitability of the proposed location, height, and type of the physical separation. Based on the preference selected from the options above, the Director may provide conditions for the modification of the facility and further handling of the compost.

If you require further information or have questions please contact the District Supervisor for your region. ***The contact number for your region is provided at the end of this newsletter.***

Late Manure Management Plans

Manitoba Conservation has always required submission of MMPs well in advance of application of manure. This allows Manitoba Conservation staff to review information, address deficiencies, follow up with operators, and assign registration numbers prior to manure application. Most importantly, it allows Manitoba Conservation staff sufficient time to review soil tests prior to application of manure and advise operators of concerns, thereby mitigating the risk of contravention of the LMMMR. When preliminary information is filed early, it also allows operators time to respond to inquiries prior to the busy periods of manure application.

The LMMMR requires MMPs to be submitted annually before February 10 for application starting in spring or before July 10 for application starting in the fall. **As per Section 13(5) of the LMMMR, MMPs received after the filing deadlines are subject to an administration fee and will not be registered until payment is received.** Late MMPs should be accompanied by a cheque of \$105 payable to the Minister of Finance; following which a registration number will be assigned.

In addition, until payment is received and a registration number is assigned, the operator will be prohibited from applying manure, as per Section 13(1) of the LMMMR.

New Brochures

Manitoba Conservation has developed 2 new brochures intended to help clients understand regulatory compliance expectations. The brochures have been translated into German and French.

- One brochure is intended to summarize the 2009 amendments to the Livestock Manure and Mortalities Management Regulation.
- The second brochure is intended to summarize requirements for operators with inactive manure storage facilities.

The brochures are available under the heading Information Bulletins and Guidelines on the website:

<http://www.gov.mb.ca/conservation/envprograms/livestock/>.

Hardcopies are available in your local District Manitoba Conservation office.

Who are you going to call?

Manure management plan, engineering and source water analysis questions should be directed to Environmental Services.

Matters regarding all other aspects of the *Livestock Manure and Mortalities Regulation* should be directed to Environmental Operations.

For reporting a spill, emergency spreading, or any emergencies, call your Environmental Operation contact.

After hours, use the emergency response number.

Emergency Response 944-4888	
Environmental Services	Manure Management Plans Ph: 945-3078 Winnipeg Source Water Administration Ph: 945-5168 Winnipeg Engineering Section 945-7084
Environmental Operations	Eastern Ph: 346-6060 Steinbach Western Ph: 726-6064 Brandon Ph: 622-2030 Dauphin Central Ph: 945-7100 Winnipeg Ph: 642-6095 Gimli Ph: 239-3204 Portage La Prairie