

Obtaining a Permit for the Construction/Modification/Expansion of a Confined Livestock Area

1. Contact the office of the Rural Municipality in which the proposed operation is to be located. Inquire about all pertinent municipal by-laws, conditions, restrictions and permit requirements to ensure your proposal will comply. If the proposed operation is 300 Animal Units or larger, a Technical Review will be required and the municipality will have to submit a request to Manitoba Agriculture, Food and Rural Initiatives for the Technical Review. If the proposed operation is less than 300 Animal Units, a Technical Review may or may not be required, dependent upon the by-laws of the municipality.
2. Contact an engineering firm of your choice and explain your proposal, future expansion plans, etc. All facilities must be designed and the designs sealed by a Professional Engineer.
3. The engineering firm chosen will conduct an initial site assessment and proceed to have test holes drilled at the proposed site. Information gathered from these test holes, including type of soil, depth to water table, estimate of soil permeability, etc., will determine the location and level of protection that will be required for construction/modification/expansion of the confined livestock area.
4. The design of the confined livestock area including site plan, capacity for present and future needs, level of protection required, laboratory results of the soil sampling from the initial test holes, and all other pertinent information must be submitted to Manitoba Conservation as part of an Application for Permit. As well, a map of all lands available for manure spreading that outlines agricultural capability classifications, buffer areas and available spread acreage is required. In addition, a manure management plan is required. Signed agreements with the owners authorizing manure spreading on lands leased for this purpose must be attached.
5. The completed Application for Permit and supporting information is reviewed by engineering staff of Manitoba Conservation to ensure compliance with all regulatory requirements and accepted construction standards.
6. A Permit for the construction, modification or expansion of the confined livestock area will only be issued if the information is complete and the design is acceptable for the site conditions. Prior to any construction work, a permit must be obtained from Manitoba Conservation pursuant to Section 16 of the *Livestock Manure and Mortalities Management Regulation*.
7. If construction of the confined livestock area requires the installation of either a clay or plastic liner, then the installation and sampling of monitoring wells will also be required and will be indicated in the Permit. The depth, screened interval and location of these monitoring wells must be approved by Manitoba Conservation prior to installation. The owner must sample the wells on a regular basis as specified in the Permit and must have the water samples tested for the required indicator parameters. Water analysis reports must be submitted annually to Manitoba Conservation pursuant to Section 6.1(2) of the Regulation.
8. The owner, operator or contractor must notify in writing the local Environmental Livestock Program officer of Manitoba Conservation:
 - at least five and not more than ten days prior to commencement of construction/modification/expansion of the confined livestock area,
 - of change in start date,
 - of commencement of construction/modification/expansion of the confined livestock area if it was suspended more than 10 calendar days.

9. Regular inspections will be carried out by Environment Officers and by the design engineer during the course of construction to ensure compliance with the approved design and with regulatory requirements. Construction must take place between May 1 and October 31.
10. After construction is completed, including the installation of all required appurtenances and monitoring wells, a final inspection will be conducted by the Environment Officer and by the design engineer.
11. After final inspection, the engineering firm must submit a written certification and engineering report to the owner and to Manitoba Conservation indicating that the construction is in compliance with the requirements of the *Livestock Manure and Mortalities Management Regulation* and that the approved design plan was properly followed. The confined livestock area must not be put into operation until the operator has received a letter from Manitoba Conservation indicating acceptance of the engineer's letter of certification.
12. Continued maintenance and proper operation of the confined livestock area is expected and is the responsibility of the owner / operator.
13. Periodic inspections of all permitted confined livestock areas are conducted by Environment Officers of Manitoba Conservation.
14. All agricultural operations that have 300 or greater animal units must annually submit a manure management plan.
15. All agricultural operations that have 300 or greater animal units must annually submit analytical results from samples of the drinking water provided to their livestock.
16. All existing agricultural operations that store manure in a facility for more than 30 days must register that facility (tank, earthen manure storage, molehill and under-barn storage) with Manitoba Conservation.

Additional information may be obtained from the local Environmental Livestock Program office of Manitoba Conservation.

Note: this is not an exhaustive list of the requirements for a permit. Operations are assessed on an individual basis and therefore the required information is site specific.

Listing of Engineering Firms *

<p>DGH Engineering Ltd. Doug Small & Dennis Hodgkinson 12 Aviation Blvd. St. Andrews, MB R1A 3N5 Phone: (204) 334-8846 Fax:(204) 334-6965 E-mail: dougs@dghengineering.com</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>Wolfrom Engineering Ltd. Dan Wolfrom 345 Wardlaw Avenue Winnipeg, MB R3L 0L5 Phone: (204) 452-0041 Fax:(204) 284-8680 E-mail: danw@wolfromeng.com</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>
<p>South-Man Engineering Peter Greiger Box 18, Grp 30, RR 1 Anola, MB R0E 0A0 Phone: (204) 223-8289 Fax:(204) 755-2623 E-mail: southmaneng@hotmail.com</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>Samson Engineering Inc. Phil Dornn 162-10th Street Brandon, MB R7A 4E6 Phone: (204) 727-0747 Fax:(204) 725-9870 E-mail: pdornsei@mts.net</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input checked="" type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>
<p>Steckley Consulting Engineers Inc. Kevin Steckley Box 749 915 Navigator Drive Winkler, MB R6W 4A8 Phone: (204) 325-5114 Fax:(204) 325-0618 E-mail: ksteckley@steckley.ca</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>J.R. Cousin Consultants Ltd. Alfred Beghin 91A Scurfield Blvd. Winnipeg, MB R3Y 1G4 Phone: (204) 489-0474 E-mail: abeghin@jrcc.ca</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>

Listing of Engineering Firms (ct'd)

<p>Burns Maendel Consulting Engineers Ltd. Michael Maendel & Daniel Burns 1331 Princess Avenue Brandon, MB R7R 0R4 Phone: (204) 728-7364 Fax:(204) 728-4418 E-mail: m.maendel@bmce.ca</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input checked="" type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>SNC Lavalin Roland Vercaigne 200-1600 Ness Avenue, Madison Square Winnipeg, MB R3J 3W7 Phone: (204) 786-8080 Fax:(204) 786-7934 E-mail: alan.roberts@snclavalin.com</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input checked="" type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>
<p>Almitra Consulting Inc. Roy McPhail 103 Cunnington Avenue Winnipeg, MB R2M 0W6 Phone: (204) 489-0018 E-mail: Roy.McPhail@Almitra.ca</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>Stantec Consulting Ltd. Eric Wiens 905 Waverley Street Winnipeg, MB R3T 5P4 Phone: (204) 489-5900 Fax:(204) 453-9012 E-mail: ewiens@stantec.com</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input checked="" type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>
<p>Beach Rocke Engineering John Rocke 1050-B St-Mary's Rd Winnipeg, MB R2M 3S9 Phone: (204) 257-7251 Fax:(204) 255-7239 E-mail: beach.rocke@mts.net</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>Aski Geosciences Ltd. Robert Kupchak 207-1555 St. James Street Winnipeg, MB R3H 1B5 Phone: (204) 779-7449 Fax:(204) 779-7450 E-mail: rkupchak@askigeo.ca</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>

Listing of Engineering Firms (ct'd)

<p>Dillon Consulting Rob Buenaventura 200 - 895 Waverley St Winnipeg, MB R3T 5P4 Phone: (204) 453-2301 Fax:(204) 452-4412 E-mail: rbuenaventura@dillon.ca</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>Earth Tech (Canada) Ltd. Stephen Biswanger 850 Pembina Hwy Winnipeg, MB R3M 2M7 Phone: (204) 478-8561 Fax:(204) 478-7856 E-mail: stephen.biswanger@earthtech.ca</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input checked="" type="checkbox"/> Solid Liquid Separators/ Treatment Systems <u>Other:</u> all wastewater treatment</p>
<p>Genivar Jason Bunn & Silvester Urbano #600-5 Donald St. Winnipeg, MB R3L 2T4 Phone: (204) 477-6650 Fax:(204) 474-2864 E-mail: Jason.Bunn@genivar.com</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>	<p>PFRA Bruce Shewfelt 200-101 Route 100 Morden, MB R0H 1Y5 Phone: (204) 822-7273 Fax:(204) 822-7207 E-mail: shewfeltb@agr.gc.ca</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>
<p>PFRA Watler Saciuk 317 Main St N Dauphin, MB R7N 1C5 Phone: (204) 268-3233 Fax:(204) 638-9443 E-mail: saciukw@agr.gc.ca</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment Systems <u>Other:</u> Confined Livestock areas</p>	

*This listing is comprised of engineering consulting firms or professional engineers that have provided service to agricultural producers in Manitoba. The listing does not constitute endorsement of any particular firm nor is the listing necessarily exhaustive.