

Obtaining a Permit for the Construction/Modification/Expansion of Manure Storage Facilities

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. For earthen storages, a minimum of three test holes drilled to a recommended depth of not less than 9.15 metres (30 feet) and collection of soil samples for further analysis will be required. 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 manure storage facility.
4. The design of the manure storage facility 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. Depending on the soil conditions and / or the depth to the water table found at the site, the type of manure storage facility may consist of one of the following:
 - A) An earthen storage consisting of a straight cut-and-fill construction (where there is adequate clay of suitable quality on site);
 - B) An earthen storage with imported clay liner (where adequate clay of suitable quality is hauled in from another location, usually in fairly close proximity.) A minimum of one metre of compacted clay is required on the floor and inside berms of this storage facility;
 - C) An earthen base storage with a plastic liner (which may consist of either a PVC (polyvinyl chloride) liner of minimum 30 mil thickness or a HDPE (high density poly-ethylene) liner of minimum 60 mil thickness);
 - D) A concrete storage which may be either a pre-cast or poured-in-place facility;
 - E) An approved steel storage tank.
6. 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.
7. A Permit for the construction, modification or expansion of the manure storage facility 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 6 of the *Livestock Manure and Mortalities Management Regulation*.

8. If construction of the manure storage facility 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.
9. 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 manure storage facility (Section 6(9)),
 - of change in start date (Section 6(11)),
 - of commencement of construction/modification/expansion of the manure storage facility if it was suspended more than 10 calendar days (Section 6(10)).
10. 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.
11. 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.
12. 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 manure storage facility 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 (Section 6.7).
13. Continued maintenance and proper operation of the manure storage facility is expected and is the responsibility of the owner / operator (Section 4).
14. Periodic inspections of all permitted manure storage facilities are conducted by Environment Officers of Manitoba Conservation.
15. All agricultural operations that have 300 or greater animal units must submit annually for registration a manure management plan.
16. All existing agricultural operations that store manure in a facility for more than 30 days must apply with Manitoba Conservation for registration of any of such facilities (tank, earthen manure storage, molehill and under-barn storage) that were constructed before 1994, in the case of earthen facilities, or 1998 in the case of concrete or steel facilities.

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>

* 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.

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>

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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>	

Listing of Contractors**

<p>Blaney's Enterprises Ltd Jim Blaney Box 27 Whitemouth, MB R0E 2G0 Phone: (204) 348-2318 Fax: (204) 348-2229 E-mail: vkroker@hotmail.com</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input checked="" type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Brunet Construction Greg Brunet Box 173 Morris, MB R0G 1K0 Phone: (204) 746-8894 Fax: (204) 746-2942 E-mail: brunetco@mts.net</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</p>
<p>Contec Projects John Schamber Box 279, St. Norbert P.O. Winnipeg, MB R3C 1L6 Phone: (204) 261-5457 Fax: (204) 275-3200</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 checked="" type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Dirt Pro Inc. Byron Loewen Box 94 Rosenort, MB R0G 1W0 Phone: (204) 746-8694 Fax: (204) 746-8184 E-mail: byron@dirtpro.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</p>
<p>E F Moon Construction Ltd. E F Moon 1200 Lorne Avenue E Portage la Prairie, MB Phone: (204) 857-7871 Fax: (204) 857-3882 E-mail: jackmes@efmoon.ca</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</p>	<p>Edie Construction Box 674, R.R. 1 Dugald, MB R0E 0K0 Phone: (204) 853-7965 Fax: (204) 853-2188 E-mail: cgedie@netscape.net</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</p>
<p>Excel Design & Construction Ed Dorn 741 McDiarmid Drive Brandon, MB R7B 2J1 Phone: (204) 726-1006 Fax: (204) 729-9071</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Fast Brothers Ltd. Don Fast Box 177, 70 Centre Ave. Blumenort, MB R0A 0C0 Phone: (204) 326-9973 Fax: (204) 346-1829 E-mail: fast@mts.net</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</p>

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Listing of Contractors (ct'd)

<p>Haywood Concrete Products Ltd. Marcel Poirier P.O Box 34 Haywood, MB R0G 0W0 Phone: (204) 379-2214 Fax: (204) 379-2324 E-mail: hayconpr@mts.net</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>J.K. Wiebe Construction NW 1-3-3W Plum Coulee, MB R0G 1R0 Phone: (204) 829-3486 Fax: (204) 829-3890 E-mail: jkwc@mts.net</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>
<p>LET Construction Peter Letman Box 1090 Altona, MB R0G 0B0 Phone: (204) 324-5477 Fax: (204) 324-6675</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</p>	<p>Mac's Rentals Rick PR 350 Macgregor, MB R0H 0R0 Phone: (204) 685-2143 Fax: (204) 685-2905</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</p>
<p>Octaform Systems Ltd. James Johnson 520-885 Dunsmuir Street Vancouver, BC V6C 1N5 Phone: (604) 408-0558 Fax: (604) 408-0595 E-mail: jjohnson@octaform.com</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input checked="" type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Palmlite Systems Doug Redekop 320 Hwy #12 Steinbach, MB R5G 1T6 Phone: (204) 346-5033 Fax: (204) 326-6987</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</p>
<p>Penfor Construction Rudy Dyck Box 20 -- 10 Penner Drive Blumenort, MB R0A 0C0 Phone: (204) 326-8894 Fax: (204) 326-1411 E-mail: rudy@penforconstruction.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</p>	<p>Reimer Redi-Mix Dave Reimer General Delivery Roseau River, MB R0A 1R0 Phone: (204) 427-2302 Fax: (204) 427-3186</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>

Listing of Contractors (ct'd)

<p>Rondeau Enterprises Ltd Fernand Rondeau P.O 5026 - 23 rue Principale St-Leon, MB R0G 2E0 Phone: (204) 744-2521 Fax: (204) 744-2036 E-mail: rondent@mts.net</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Sigfusson Construction David Sigfusson P.O. Box 51, 50 Swan Creek Dr Lundar, MB R0C 1Y0 Phone: (204) 762-5500 Fax: (204) 762-5107</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</p>
<p>T.L. Penner Management Box 50 Kola, MB R0M 1B0 Phone: (204) 556-1400 Fax: (204) 556-2600 E-mail: info@tppenner.ca</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Titan Environmental Containment Ltd. Brett Burkard 254 Beauchemin Rd Grande Pointe, MB R5A 1H8 Phone: (204) 256-5446 Fax: (204) 256-5451 E-mail: brett@titanenviro.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 type="checkbox"/> Solid Liquid Separators/ Treatment <u>Other:</u> Plastic liners</p>
<p>Tri-Line Ltd. Greg Orbanski Box 370 Arborg, MB R0C 0A0 Phone: (204) 378-2879 Fax: (204) 378-5486 E-mail: triline@mts.net</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 <u>Other:</u> GSE's, PVC & HDPE liners</p>	<p>Tri-Star Dairy Gary Mourant Box 40 - 26147 Grunthal, MB R0A 0R0 Phone: Fax: (204) 434-6898 E-mail: gmourant@tristardairy.com</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 checked="" type="checkbox"/> Solid Liquid Separators/ Treatment Systems</p>
<p>Unger Excavating Inc Kevin Unger Box 20039 Steinbach, MB R5G 1R6 Phone: (204) 326-3086 Fax: (204) 346-0181 E-mail: ungerex@mts.net</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>United Livestock Systems Gordon Ross 112 Paramount Rd Winnipeg, MB R2X 2W3 Phone: (204) 488-5078 E-mail: gord@ulsindustries.com</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>

Listing of Contractors (ct'd)

<p>VG Farms Victor Wohlgetmuth Box 8 Hadashville, MB R0E 0X0 Phone: (204) 426-5388 Fax: (204) 426-5388 E-mail: vntfarms@mts.net</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>Western Tank and Lining Ltd. Clint Powell 12180 Vickers Way Richmond, MB V6V 1H9 Phone: (204) 444-4825 Fax: (204) 444-4826 E-mail: clint@wtl.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 type="checkbox"/> Solid Liquid Separators/ Treatment Systems <u>Other:</u> HDPE Geomembrane Lining Systems</p>
<p>Wiebe Investments Chris Wiebe Box 610 Niverville, MB R0A 1E0 Phone: (204) 388-4095 Fax: (204) 388-6246 E-mail: wiebeinv@mts.net</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 <u>Other:</u> Liners</p>	<p>Winnipeg Environmental Remediations Inc. Dennis Antony 4040 Main Street West St. Paul, MB Phone: (204) 339-5193 Fax: (204) 334-5193 E-mail: macnut@mts.net</p> <p><input checked="" type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment <u>Other:</u> Plastic Covers</p>
<p>Wood, Darren Darren Wood Box 185 La Riviere, MB R0G 1A0 Phone: (204) 825-2293 Fax: (204) 242-2648</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input checked="" type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Wurtz Bros. Darrius Wurtz Box 38 Sidney, MB R0H 1L0 Phone: (204) 466-2824 Fax: (204) 466-2999 E-mail: wurtzbros@lincsat.com</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>

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Listing of Suppliers

<p>Penfor Construction Rudy Dyck Box 20 -- 10 Penner Drive Blumenort, MB R0A 0C0 Phone: (204) 326-8894 Fax: (204) 326-1411 E-mail: rudy@penforconstruction.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</p>	<p>Con-Force Structures Ltd. Richard Ledossiere 2500 Ferrier Street Winnipeg, MB R2P 0G8 Phone: (204) 336-5201</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>
<p>Titan Environmental Containment Ltd. Brett Burkard 254 Beauchemin Rd Grande Pointe, MB R5A 1H8 Phone: (204) 256-5446 Fax: (204) 256-5451 E-mail: brett@titanenviro.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 type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>United Livestock Systems Gordon Ross 112 Paramount Rd Winnipeg, MB R2X 2W3 Phone: (204) 488-5078 E-mail: gord@ulsindustries.com</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</p>
<p>Western Tank and Lining Ltd. Clint Powell 12180 Vickers Way Richmond, BC V6V 1H9 Phone: (204) 444-4825 Fax: (204) 444-4826 E-mail: clint@wtl.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 type="checkbox"/> Solid Liquid Separators/ Treatment <u>Other:</u> HDPE Geomembrane Lining Systems</p>	<p>Reimer Redi-Mix Dave Reimer General Delivery Roseau River, MB R0A 1R0 Phone: (204) 427-2302 Fax: (204) 427-3186</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>
<p>Nilex Construction Inc 9304 - 39th Ave NW Edmonton, AB T6E 6L8 Phone: (780) 463-9535 Fax: (780) 463-1773</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 <u>Other:</u> Plastic Liners</p>	<p>Palmlite Systems Doug Redekop 320 Hwy #12 Steinbach, MB R5G 1T6 Phone: (204) 346-5033 Fax: (204) 326-6987</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 <u>Other:</u> Liquid Manure Handline Equipment</p>

*** This listing is comprised of material or product suppliers 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.

Listing of Supplier (ct'd)s

<p>Octaform Systems Ltd. James Johnson 520-885 Dunsmuir Street Vancouver, BC V6C 1N5 Phone: (604) 408-0558 Fax: (604) 408-0595 E-mail: jjohnson@octaform.com</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input checked="" type="checkbox"/> Solid Liquid Separators/ Treatment</p>	<p>Tri-Star Dairy Gary Mourant Box 40 - 26147 Grunthal, MB R0A 0R0 Fax: (204) 434-6898 E-mail: gmourant@tristardairy.com</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 checked="" type="checkbox"/> Solid Liquid Separators/ Treatment</p>
<p>Encon Technologies Inc. Ian Hodgkinson 12 Aviation Blvd St.-Andrews, MB R1A 3N5 Phone: (204) 334-8846 Fax: (204) 334-6965 E-mail: ihodgkinson@dghengineering.com</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 <u>Others:</u> Plastic storage cover</p>	<p>Wurtz Bros. Darrius Wurtz Box 38 Sidney, MB R0H 1L0 Phone: (204) 466-2824 Fax: (204) 466-2999 E-mail: wurtzbros@lincsat.com</p> <p><input type="checkbox"/> Earthen Manure Storage Facilities <input checked="" type="checkbox"/> Concrete Facilities <input type="checkbox"/> Steel Tanks <input type="checkbox"/> Manure Pipelines <input type="checkbox"/> Solid Liquid Separators/ Treatment</p>

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