

Farm Stewardship Program

Manure Storage Enhancements BMP

Intent of BMP: To provide producers with assistance in developing infrastructure to minimize environmental risks and/or increase manure storage capacity to match current production and prevent winter spreading.

Funding Level: 30 per cent of eligible costs to a maximum of \$50,000.

Application Type: **Pre-Approval.** Applicants must submit a pre-approval application prior to commencing their project. After receiving your application a pre-site inspection will be arranged with a Ministry of Agriculture Livestock Engineer. All projects must have a site assessment conducted **prior** to the commencement of any project activities. The site inspection will provide a preliminary assessment of environmental risk and mitigations required. More detailed assessment and design work will likely be required. A final inspection may be required to confirm that the changes implemented were in accordance with the initial site inspection.

Technical Resource: For technical assistance please contact a Ministry of Agriculture Provincial Livestock Engineer:
Cory Wensley - 306-933-5570 Email: cory.wensley@gov.sk.ca

Eligibility:

- Must have an EFP.
- **Basic Eligibility Criteria** plus:
- Own, lease or custom graze a minimum of 20 animal units.
- Have existing manure storage facilities including steel tanks, earthen manure storage, solid manure storage areas.
- Existing approved plans under The Agricultural Operations Act OR complete the **Self-Evaluation Factsheet** to identify if there is a need for approval (attach factsheet to application).

Project Costs: Eligible Costs:

- Consultant fees for design, engineering, site investigation/testing, geotechnical investigation, survey, remediated site plans and assessment or monitoring costs - such as installation of monitoring devices such as piezometers (to measure groundwater quality adjacent to storage) for the existing or new manure storage infrastructure.
- Construction of new or improved liners, berms, and containment systems to prevent movement of liquid manure.

Project Costs continued:

- Constructing new or improved containment systems for solid manure storage facilities, including construction of an impermeable base and walls, or construction of a roofed shed.
- Developing or enhancing systems and equipment for processing manure, including anaerobic digestion, extrusion, pelletization, or solids separation.
- Developing or enhancing composting infrastructure including passive aeration systems, compost turner-pads, walls, covers, vessels, compost area containment structures, specialized conveying equipment for raw or finished products to and from compost area and storage, mixing/aeration (windrow turner), watering equipment and monitoring equipment (temperature, moisture, oxygen, sensors etc.).
- Building manure storage facilities on an existing operation to prevent winter spreading of manure (includes satellite storage).
- Reclamation costs associated with decommissioning existing manure storage infrastructure, if constructing new manure storage infrastructure.
- Purchasing and installing manure storage covers.
- Nutrient recovery equipment (e.g. flocculants, membrane systems, etc.).
- Liquid manure separation/de-watering equipment.
- Applicant and employee labour at a maximum of \$20/hour.
- Use of applicant's equipment at rates included within the Saskatchewan Farm Machinery Custom and Rental Rate Guide.

Ineligible Costs:

- In-barn features to reduce manure volume such as wet/dry feeder improvements and concrete floor work to improve drainage.
- Costs associated with expanding production.
- Transportation of manure (raw or finished product from or to another location).
- Aerobic digester systems.
- All types of pumps, pipelines, and agitators.
- Runoff control (*please refer to the Farm Yard Runoff Control BMP for funding options*).
- Lagoons that are solely for the purpose of containing household waste.
- Operational costs and additives related to managing manure.
- Items considered regular replacement, repair or maintenance.
- Used and leased items or equipment. To be eligible, new items or equipment MUST be purchased from a recognized dealer.

NOTE: If you choose to expand manure storage facilities or treatment systems to facilitate production expansion, then the eligible costs will be pro-rated based on the storage or treatment system requirements needed for the number of animal units, and size of facility or systems, prior to expansion.