

## Mackenzie County

<b>Title</b>	<b>Lagoon Sludge Application to Land</b>	<b>Policy No:</b>	<b>UT007</b>
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<b>Legislation Reference</b>	Municipal Government Act Alberta Environment and Parks “Guidelines for the Application of Municipal Wastewater Sludges to Agricultural Lands”
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<p><b>Purpose</b></p> <p>Mackenzie County owns and operates multiple municipal wastewater systems: Hamlet of Fort Vermilion, Hamlet of La Crete and Hamlet of Zama. The purpose is to ensure the application of municipal sewage sludge onto agricultural lands is done in a beneficial and environmentally acceptable manner, protecting the environment and human health from adverse effects.</p>
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### **POLICY STATEMENT**

This policy is designed to set forth guidelines to provide adequate instructions and requirements to individuals and consultants who plan to apply/spread municipal sewage sludge onto agricultural land for beneficial use.

### **GUIDELINE**

Alberta Environment and Parks “Guidelines for the Application of Municipal Wastewater Sludges to Agricultural Lands” shall be adhered to at all times.

### **Surrounding Municipalities**

Surrounding Municipalities and First Nations that are applying sludge within Mackenzie County shall be required to abide by the Lagoon Sludge Application to Land Policy, and may also require applying for a Road Protection Agreement.

### **Restrictions**

<b>FEATURE</b>	<b>Minimum Distance (m)</b>	
	<b>Surface Application</b>	<b>Subsurface Injection</b>
Rivers, Canals, Creeks, Intermittent Drainage Courses, Lakes, Sloughs, Non-Residential Dugouts	100	50
Water Wells and Residential Dugouts	500	500

FEATURE	Minimum Distance (m)	
	Surface Application	Subsurface Injection
Areas Zoned Residential or Devoted to Urban Use	1000	500
Occupied Dwellings	100	50
Public Building Perimeters	100	50
Public Buildings	100	50
School Yard Boundaries (School in Session – September to June, inclusive)	500	200
School Yard Boundaries (School not in Session – most of July and August)	100	50
Cemeteries, Playgrounds, Parks, Campgrounds	500	200

*These distances may be relaxed to the minimum restricted distances as outlined in the “Guidelines for the Application of Municipal Wastewater Sludges to Agricultural Lands” if agreed to by the owner(s).*

### Method of Application

Acceptable methods include injection and surface application. If surface application is employed it must be followed, as soon as possible or within 24 hours at the latest, by tillage to incorporate with surface soil materials.

### Administrative Responsibilities

A minimum of three weeks prior to the sludge application to land, administration will notify adjacent landowners within a 2 km radius of the land where sludge is to be applied via letter. Adjacent landowners receiving notification will be able to respond to the sludge application within 2 weeks of the notification being sent out, should any of the minimum setbacks listed with the restrictions of this policy be affected.

Administration will then provide a 48 hour notification to residents and landowners within the 2km radius of the sludge application to land prior to the sludge being applied.

The Chief Administrative Officer or Designate shall be responsible for monitoring compliance with this policy.

	Date	Resolution Number
<b>Approved</b>	2016-03-23	16-03-242
<b>Amended</b>		