

Part 2 – Technical Requirements

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area and/or manure storage facility(ies)

RUNOFF CONTROL CATCH BASIN: Naturally occurring protective layer

(complete a copy of this section for EACH proposed runoff control catch basin with a naturally occurring protective layer)

- Facility description / name *(as indicated on site plan)*
1. _____
 2. _____
 3. _____

Determination of runoff area

Provide a plan and show how you calculated the area contributing to runoff for each catch basin

Catch basin capacity

	Length (m)	Width (m)	Total depth (m)	Depth below ground level (m)	Slope run:rise			NRCB USE ONLY Calculated storage capacity (excl. 0.5 m freeboard) (m ³)
					Inside end walls	Inside side walls	Outside walls	
1.								
2.								
3.								
TOTAL CAPACITY								

Naturally occurring protective layer details

Thickness of naturally occurring protective layer	_____ (m)	Provide details (as required)		
Soil texture	_____ % sand	_____ % silt	_____ % clay	
Hydraulic conductivity - naturally occurring protective layer	Depth and type of soil tested	Hydraulic conductivity (cm/s)	Describe test standard used	

Catch Basin – Design and management requirements can be found in Technical Guideline Agdex 096-101

If soil info differs per facility include additional soils page.

NRCB USE ONLY

Requirements met: YES NO

Condition required: YES NO

Report attached: YES NO

Part 2 – Technical Requirements

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area and/or manure storage facility(ies)

RUNOFF CONTROL CATCH BASIN: Compacted soil liner

(complete a copy of this section for EACH proposed runoff control catch basin with a compacted soil liner)

Facility description / name *(as indicated on site plan)*

1. _____
2. _____
3. _____

Determination of runoff area

Provide a plan and show how you calculated the area contributing to runoff for each catch basin

Catch basin capacity

	Length (m)	Width (m)	Depth (m)	Depth below ground level (m)	Slope run:rise			NRCB USE ONLY Calculated storage capacity (excl. 0.5 m freeboard) (m ³)
					Inside end walls	Inside side walls	Outside walls	
1.								
2.								
3.								
TOTAL CAPACITY								

Compacted soil liner details

Thickness of compacted soil liner	_____ (m)	Provide details (as required)	
Soil texture	_____ % sand	_____ % silt	_____ % clay
Atterberg limits	Plastic limit _____	Liquid limit _____	Plasticity index _____
Hydraulic conductivity	Hydraulic conductivity (cm/s)		
	Describe test standard used		

Catch Basin – Design and management requirements can be found in Technical Guideline Agdex 096-101

NRCB USE ONLY

Requirements met: YES NO

Condition required: YES NO

Report attached: YES NO

Part 2 – Technical Requirements

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area and/or manure storage facility(ies)

RUNOFF CONTROL CATCH BASIN: Synthetic liner

(complete a copy of this section for EACH proposed manure storage facility with a synthetic liner)

Facility description / name *(as indicated on site plan)* 1. _____
 2. _____

Determination of minimum required catch basin volume

Provide a plan and show how you calculated the area contributing to runoff for each catch basin

Catch basin capacity

	Length (m)	Width (m)	Depth (m)	Depth below ground level (m)	Slope run:rise			NRCB USE ONLY Calculated storage capacity (excl. 0.5 m freeboard) (m ³)
					Inside end walls	Inside side walls	Outside walls	
1.								
2.								
TOTAL CAPACITY								

Synthetic liner details

Synthetic liner	Thickness and type of liner material	Provide liner material details (as required)
Catch Basin – Design and management requirements can be found in Technical Guideline Agdex 096-101		NRCB USE ONLY Requirements met: <input type="checkbox"/> YES <input type="checkbox"/> NO Condition required: <input type="checkbox"/> YES <input type="checkbox"/> NO

Liner protection

Describe how the inside walls, bottom and outside walls are protected from erosion	NRCB USE ONLY Requirements met: <input type="checkbox"/> YES <input type="checkbox"/> NO Condition required: <input type="checkbox"/> YES <input type="checkbox"/> NO
Describe how the physical integrity of the liner will be maintained from damage	