

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

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities -Naturally occurring protective layer

2.

(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with a naturally occurring protective layer for the liner)

Facility description / name (as indicated on site plan)

1.				
-				

Manure storage capacity

	Length (m)	Width (m)	Depth below ground level (m)	NRCB USE ONLY Estimated storage capacity (m ³)
1.				
2.				

I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. (The AOPA requirements for STMS are set out in the NRCB <u>Short-Term Solid Manure Storage Requirements Fact Sheet</u>.

Surface water control systems

Describe the run-on and runoff control system

Naturally occurring protective layer details

		Provid	le details (as required)		
Thickness of naturally occurring protective layer					
	(m)				
Soil texture	% sand		% silt		% clay
Hydraulic conductivity - naturally occurring protective layer	Depth and type of soil tested	Hydra	aulic conductivity (cm/s)	Describe tes	t standard used
Additional information (a	attach copies of soil test reports)		NRCB USE ONLY		
			Require	ments met:	🗆 YES 🗆 NO
			Conditio	on required:	🗆 YES 🗌 NO
			Report	attached:	□ YES □ NO



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

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities -Compacted soil liner

(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with a compacted soil liner)

Facility description / name (as indicated on site plan)

1.			
2.			

Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m ³)
1.				
2.				
		·	TOTAL CAPACITY	

I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. (The AOPA requirements for STMS are set out in the NRCB <u>Short-Term Solid Manure Storage Requirements Fact Sheet</u>.

Surface water control systems

Describe the run-on and runoff control system

Liner protection

Describe how the physical integrity of the liner will be maintained

NRCB USE ONLY

Requirements met: YES NO



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

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Compacted soil liner (cont.)

Compacted soil liner details

Thickness of compacted liner		Provide compacted liner of	details (as required)	
inici	(m)			
Soil texture	% sand	% silt	-	% clay
Atterberg limits	Plastic limit	Liquid limit		Plasticity index
Hydraulic conductivity	Hydraulic conductivity (cm/s)			
	Describe test standard used			
Additional information	(attach copies of soil test reports)	NRCB USE ONI		
			Requirements met:	
			Condition required:	
NRCB USE ONLY			Report attached:	
	age volume requirements met	YES YES With STM	15 🗆 NO	
Depth to water table:			<u> </u>	1
	ndwater resource:	Requirements		
ERST completed: \Box see				,
Surface water control s				
Requirements met: Y				
Hydraulic conductivity aft				
Liner specification comme	ents (e.g. compaction, moisture co	ontent, thickness):		
Leakage detection system required: \Box YES \Box NO $$ If yes, please explain why.				



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

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities -Concrete liner

(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with a concrete liner)

Facility description / name (as indicated on site plan) 1. _____1

2._____

Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m ³)
1.				
2.				
			TOTAL CAPACITY	

I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. The AOPA requirements for STMS are set out in the NRCB <u>Short-Term Solid Manure Storage Requirements Fact Sheet</u>.

Surface water control systems

Describe the run-on and runoff control system

Liner protection

Describe how the physical integrity of the liner will be maintained

NRCB USE ONLY

Requirements met: 🛛 YES 🗌 NO



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

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Concrete liner (cont.)

Concrete liner details				
Concrete thickness	Method of sul	phate protection:		
Concrete strength	Concrete reinf	orcement size and	d spacing	
Concrete requirements can be found in Technical Guideline Ag	adox 006-02		V	
Guideline minimums:	guex 096-95	NRCB USE ONI		
Solid manure: 25MPa (D)		Require	ements met:	🗆 YES 🗆 NO
Solid manure (wet): 30MPa (C) Method of sulphate protection:		Conditi	on required:	🗆 YES 🗌 NO
Type 50 or Type 10 with fly ash or equivalent		Report	attached:	🗆 YES 🗆 NO
		Report		
Additional information (attach as required)				
NRCB USE ONLY				
Nine month manure storage volume requirements met \Box :	YES 🗆	YES With STMS	🗆 NO	
Depth to water table:	Rea	uirements met:	🗆 YES 🗆	NO
	109			
Depth to Uppermost groundwater resource:	Rea	uirements met:	🗆 YES 🗆	NO
	Noq			
ERST completed: see ERST page for details				
Surface water control systems				
Requirements met: YES NO Details/comments:				
Concrete liner details				
Leakage detection system required: 🗌 YES 🗌 NO 🛛 If yes	s, please explai	n why.		



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

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities -Alternative liner

(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with an alternative liner)

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

2. _____

Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m ³)
1.				
2.				
			TOTAL CAPACITY	

I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. The AOPA requirements for STMS are set out in the NRCB <u>Short-Term Solid Manure Storage Requirements Fact Sheet</u>.

Surface water control systems

Describe the run-on and runoff control system

Groundwater protection

Describe the proposed alternative liner and provide information used to show equivalency with AOPA requirements

Additional information: (attach as required)

NRCB USE ONLY

Requirem Condition Report att

ents met:	🗌 YES 🗌 NO
required:	🗆 YES 🗆 NO
ached:	🗆 YES 🗌 NO