


Section 8.9

Manure Management

REFERENCED IN THIS SECTION:

Number/ Identifier	Name	Importance
 STANDARD OPERATING PROCEDURE		
8.9	Manure Removal <i>(to be developed by producer)</i>	Highly recommended

SECTION 8.9

MANURE MANAGEMENT

RECOMMENDATIONS

1. A **Manure Removal SOP** should be developed and includes:
 - a. measures for removal and handling of manure
 - b. measures for transportation (if applicable) and application of manure.
2. Service providers or personnel removing manure from storage should work in a separate zone to prevent contamination in the controlled access zone (CAZ).
3. Manure application equipment should be specifically assigned to your farm site or production system.
4. If service providers are removing manure they should clean (wash, disinfect and dry) their equipment prior to entering the controlled access zone (CAZ).
5. The manure storage should be accessed by a dedicated access road different from the main entrance.
6. Machinery used to spread manure should use a separate entrance to access the manure storage.

RATIONALE

- a. Manure represents a high risk of transmitting pathogenic agents.
- b. Proper removal and handling of manure will minimize the risk of pathogen transmission.
- c. Pathogens found in manure (porcine reproductive and respiratory syndrome virus (PRRS), porcine epidemic diarrhea (PED), *Salmonella*, etc.) can spread through direct contact or through the air and can further contaminate the herd.

GUIDANCE

It is recommended that the preventive measures below be followed:

- a. Follow municipal and provincial regulations for proper management of manure.
- b. Make sure the trap door on the tank is properly closed during transport.
- c. If equipment is shared among sites, move from higher to lower health status sites. The equipment must be cleaned between sites.
- d. Avoid spreading manure from another pig site on your own farm or near your barn.
- e. Personnel spreading manure should not access the restricted access zone (RAZ).
- f. Limit the contact between the personnel spreading manure and other farm personnel.
- g. Immediately clean any manure spilled on the access road to the farm and follow municipal and provincial regulations.
- h. Promote spreading methods that limit the aerial dispersion of droplets.

? BIOSECURITY QUESTIONS

Q#	Importance	Biosecurity Questions	Yes	No	N/A	Comments
Q8.9.1	Highly recommended	Is there a Manure Removal SOP in place that includes:				
		a. measures for removal and handling of manure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. measures for transportation (if applicable) and application of manure.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Q8.9.2		When service providers or personnel are removing manure from storage, do they work in a separate zone to prevent contamination in the controlled access zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Q8.9.3		Does your farm site or production system own dedicated manure-handling equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Q8.9.4		Do you require service providers who remove manure to clean (wash, disinfect and dry) their equipment prior to entering the controlled access zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Q8.9.5		Is there a dedicated access road, different from the main entrance, to access the manure storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Q8.9.6	Does machinery, used to spread manure, have a separate entrance to access the manure storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

N/A = not applicable; SOP = standard operating procedure