

Section 10.2

Outdoor Access Certification

REFERENCED IN THIS SECTION:

Number/ Identifier	Name	Importance
 STANDARD OPERATING PROCEDURE		
2.2.1	Sanitation	
2.2.2	Alternative Cleaning	
6.1.1	Pest Management - With an Exterminator	Mandatory
6.1.2	Pest Management - In-House	
10.2	Parasite Management <i>(to be developed by producer)</i>	
<hr/>		
 FACT SHEET		
F-8	<i>Toxoplasma</i>	
F-9	<i>Trichinella</i>	-

SECTION 10.2

OUTDOOR ACCESS CERTIFICATION

OUTDOOR ACCESS REQUIREMENTS

Training requirements:

1. Personnel must consult the fact sheets on *Toxoplasma* and *Trichinella* and understand the risks associated with these parasites.

Food Safety Requirements:

2. Barn maintenance

- a. The barn(s)/structure(s) used to house pigs must be free of obvious deterioration.
- b. The barn's environmental control system must be adequately maintained.
- c. Pigs must not have access to treated wood (where pigs have the opportunity to chew on it), including pressure-treated wood (e.g., treated with pentachlorophenol, chromated copper arsenate or other wood-preserving agents) in their housing system.

3. Barn Sanitation

A Sanitation SOP (SOP 2.2.1) or an Alternative Cleaning SOP (SOP 2.2.2) must be adequately implemented in each interior area of the barn(s) / housing structure(s).

- a. A Sanitation SOP must include
 - i. at least one cleaning measure,
 - ii. at least one washing measure, and
 - iii. at least one disinfection measure.
- b. An Alternative cleaning SOP must include
 - i. at least one cleaning measure and
 - ii. at least one disinfection measure.

4. Pest Management

- a. A Pest Management SOP for the control of rodents and birds, must be developed and adequately implemented on-farm and in the on-farm feed mill, if applicable, either by a licensed exterminator (SOP 6.1.1) or performed in-house (SOP 6.1.2). This SOP must include:
 - i. A list of all chemical products used indoors and outdoors. All products used must be licensed and approved for use where food-producing animals are raised and housed.
 - ii. The frequency of pest-activity monitoring.
 - iii. The type of traps and bait stations being used.
 - iv. The measures being used to prevent birds from accessing the barn(s), feeding areas or housing structures.
- b. If the Pest Management SOP is implemented by a licensed exterminator (SOP 6.1.1) it must also include
 - i. the exterminator's contact information and
 - ii. their recommended actions for extermination and the corrective actions to take if the situation remains unsatisfactory.
- c. Outdoor feeding areas must be designed, maintained and kept clean to prevent pest and wildlife from accessing them.

5. The **Multiple-Species** Certification must be completed.

ANIMAL CARE REQUIREMENTS FOR OUTDOOR ACCESS

6. Nose rings must not be used.
7. Measures must be in place to ensure that pigs are protected from hypothermia, hyperthermia and sunburn.
8. All areas of the barn or outdoor housing structure must have adequate drainage to prevent accumulation of stagnant water and/or manure and provide a dry resting area.
9. A SOP describing how pigs are protected from parasites must be developed in consultation with a licensed veterinarian and adequately implemented.
10. Appropriate measures must be in place to prevent the presence of predators and other wildlife in the outdoor pens and pasture.

RATIONALE

- a. *Trichinella*
 - i. Although *Trichinella* has been virtually eliminated from Canadian herds, this parasite has historically been associated with pork meat. The disease may be fatal in humans.
 - ii. *Trichinella* is found in wildlife in Canada, particularly in bears and especially in northern parts of the country. Rodents, have often been found to be contaminated by *Trichinella* and can therefore be the source of contamination for pigs.
 - iii. Access to wildlife and rodents is increased when pigs have access to the outdoors. These animals may host *Trichinella* larvae in their muscles and pigs may become contaminated by eating dead animals if adequate management strategies are not implemented.
 - iv. Pigs that have access to the outdoors are therefore more at risk of being infected by *Trichinella* as well. If infected, the meat of these animals may be a potential source of contamination for humans.

GUIDANCE

- a. **Risk Management of Outdoor Facilities**
 - i. Viruses and parasites love humidity; they survive much longer in wet areas. Outdoor facilities should be designed to prevent the pooling of water.
 - ii. Measures should be put in place to ensure cats and wildlife are kept away from outdoor facilities.
 - iii. Fencing (woven wire or wire mesh) is a good way to deter the entry of wild animals and other species.
 - iv. Consult the *Toxoplasma* and *Trichinella* fact sheet for more details.
- b. **Lime application**
 - i. Ground limestone may be used as desiccant (drying agent) to dry pens and flooring, and consequently results in reduced pathogen loads. Ground limestone could be used in place of a disinfectant on surfaces that are not conducive to the application of liquid disinfectant, such as earthen ground.
 - ii. Other forms of lime, such as quicklime and hydrated (slaked) lime, are much more corrosive when they come in contact with water or moist surfaces and can cause chemical burns on people and pigs. When mixed with water, they elevate the pH to above 12.5. After they dry again, they become less corrosive; however, the reintroduction of water can once again drastically increase the pH. Quicklime should not be used as part of a cleaning procedure, as it is even more dangerous to work with than hydrated lime. If you choose to use hydrated (slaked) lime as part of a cleaning procedure, e.g., "white-washing", you should first consult with an expert on the procedure, taking into account when it would be safe to introduce pigs back into the area.
 - iii. Ensure full personal protective equipment is used during the procedure.

AUDIT QUESTIONS

Indicate if the site provides partial or full outdoor access to the pigs?

Partial outdoor access: Facilities that are limited to a full, solid floor that prevents the pigs from accessing earthen ground, with solid penning that prevents direct contact between the pigs and wildlife; however, the facilities are not fully enclosed.

Full outdoor access: Facilities that allow the pigs to have direct, undeterred contact with wildlife (i.e., penning is not completely solid) and/or access to earthen ground.

Partial Outdoor Access

(Verify that pigs are kept on a solid floor that does not give them access to the earthen ground and that the enclosures are constructed with solid penning)

Full Outdoor Access

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A

Training Requirements

Q10.2.1	Verify that personnel have consulted the fact sheets on <i>Toxoplasma</i> and <i>Trichinella</i> and understand the risks associated with these parasites.	Full and partial validation: > R-B: Training Record > interview			
	Have personnel consulted the fact sheets on <i>Toxoplasma</i> and <i>Trichinella</i> and do they understand the risks associated with these parasites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A
Food Safety Requirements					
Q10.2.2	Barn Maintenance (Section 2.1): If a barn or housing structure is used, verify that it is free of obvious deterioration that could give the pigs access to: <ol style="list-style-type: none"> other chemical hazards biological hazards 	Full validation: > observation			
	a. Are the barns or housing structure used to house pigs free of obvious deterioration that could interfere with the production of safe pork?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Verify that the ventilation, heating and cooling systems of the barns are maintained adequately by ensuring the following measures are in place to control temperature and humidity: <ol style="list-style-type: none"> fans and heaters working air intakes are clear 	Full validation: > observation			
	b. Are the ventilation, heating and cooling systems adequately maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify that pigs do not have access to treated wood, including pressure-treated wood (e.g., treated with pentachlorophenols (PCPs), chromated copper arsenate or other wood-preserving agents) in their housing system or any other area accessible to pigs (i.e., where they have the opportunity to chew on it). Verify that the outdoor pens, pasture fences and posts are made of non-treated wood. Treated wood posts must either be covered or have electric wire place on the inside of the pen to ensure pigs cannot access it (i.e., will not chew on it). Treated wood chutes are acceptable, as pig are not exposed for a significant period of time.	Full and partial validation: > observation (full validation only)			
c. Are the housing system and other areas accessible to pigs free from any treated wood?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A
Q10.2.3	<p>Barn Sanitation (Section 2.2): Verify that the Sanitation SOP and/or the Alternative Cleaning SOP is in place and includes all required elements if pigs have access to a barn or housing structure.</p>	<p>Full and partial validation:</p> <ul style="list-style-type: none"> ➤ SOP 2.2.1: Sanitation ➤ SOP 2.2.2: Alternative Cleaning ➤ observation (full validation only) ➤ interview 			
	<p>a. If the Sanitation SOP is used, does it include:</p> <ul style="list-style-type: none"> i. at least one cleaning measure? ii. at least one washing measure? iii. at least one disinfection measure? <p>If a sanitation program does not include cleaning, washing and disinfection, go to question 10.2.3 b, below.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>b. If the Alternative Cleaning SOP is used, does it include:</p> <ul style="list-style-type: none"> i. at least one cleaning measure? ii. at least one disinfection measure? 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>If pigs have access to a barn or housing structure, verify that the site manager applies the Sanitation SOP and/or the Alternative Cleaning SOP at least once every 12 months in each area of the barn.</p> <p>A Sanitation SOP and/or the Alternative Cleaning SOP have to be implemented on any solid flooring and penning (e.g., application of ground limestone on concrete, compacted ground, compacted stone/rocks).</p>	<p>Full and partial validation:</p> <ul style="list-style-type: none"> ➤ SOP 2.2.1: Sanitation ➤ SOP 2.2.2: Alternative Cleaning ➤ observation (full validation only) ➤ interview 			
	<p>c. Is the Sanitation SOP and/or the Alternative cleaning SOP applied at least once every 12 months to all solid flooring and penning in the barn(s) or housing structure(s)?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A
Q10.2.4	Pest Management: Verify that a Pest Management SOP for the control of rodents and birds (whether completed by a licensed exterminator or in-house) has been developed and includes the PigSAFE-required elements. Traps and bait station must be placed around the outdoor pens and pasture where feeding areas and housing structures are located.	Full and partial validation: > SOP 6.1.1: Pest Management – With an Exterminator or > SOP 6.1.2: Pest Management – In-House			
	a. Has a Pest Management SOP for the control of rodents and birds (whether completed by a licensed exterminator or in-house) been developed and include all the PigSAFE-required elements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Verify that the pest management SOP for the control of rodents and birds (whether completed by a licensed exterminator or in-house) is adequately implemented on-farm and in the on-farm feed mill (if applicable). Traps and bait station must be placed around the outdoor pen or pasture where feeding areas or housing structure are located.	Full and partial validation: > SOP 6.1.1: Pest Management – With an Exterminator > SOP 6.1.2: Pest Management – In-House > observation (full validation only)			
	b. Has the Pest Management SOP (whether completed by a licensed exterminator or in-house) been adequately implemented on-farm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	c. Has the Pest Management SOP (whether completed by a licensed exterminator or in-house) been adequately implemented in the on-farm feed mill?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	If the Pest Management SOP is implemented by a licensed exterminator (SOP 6.1.1) it must also include: <ol style="list-style-type: none"> the exterminator's contact information and their recommended actions for extermination and the corrective actions to take if the situation remains unsatisfactory. 	Full and Partial Validation: > SOP 6.1.1: Pest Management – With an Exterminator > observation (full validation only)			
	d. If the Pest Management SOP is implemented by a licensed exterminator, does it include the PigSAFE-required elements?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Verify that the outdoor feeding area is designed, maintained and kept clean to prevent pest and wildlife (e.g., rodent, bird, racoon) from accessing it. Outdoor feeders and feed carts are covered to prevent access by pests and wildlife. Feed spills are cleaned-up quickly.	Full and Partial Validation: > observation (full validation only)			
e. Are outdoor feeding areas designed, maintained and kept clean to prevent pest and wildlife from accessing them?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Q10.2.5	Multiple Species Management (Section 10.3): Verify that the Multiple-Species Certification has been completed successfully.	Full and Partial Validation: > Verify Section 10.3: Multiple Species Certification			
	Is the Multiple-Species Certification (section 10.3) completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A
Animal Care Requirements					
Q10.2.6	Verify that nose rings are not used on-farm.	Full and partial validation: › observation (full validation only)			
	Is the usage of nose rings prohibited on-farm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Q10.2.7	Verify that measures are in place to ensure that pigs are protected from hypothermia, hyperthermia and sunburn and help them maintain thermal comfort (e.g., bedding, shelter, heating devices, shade) at all stages of production.	Full and partial validation: › observation (full validation only) › interview			
	Are measures in place to ensure that pigs are protected from hypothermia, hyperthermia and sunburn?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Q10.2.8	Verify that all areas of the barn and/or outdoor housing structure (e.g., outdoor pens, feeding areas, alleyways, etc.) have adequate drainage to prevent accumulation of stagnant water and/or manure and provide a dry resting area. Pigs must have a dry area to lie down.	Full validation: › observation			
	Do all areas of the barn and/or outdoor housing structure have adequate drainage to prevent accumulation of stagnant water and/or manure and provide a dry resting area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Q10.2.9	Verify that an SOP describing how pigs are protected from parasites has been developed in consultation with a licensed veterinarian and adequately implemented. The SOP on Parasite Management must include management for both internal and external parasites	Full and partial validation: › SOP 10.2: Parasite Management SOP › R-T: Treatment Record › R-P: Medication and Vaccine Usage Plan › observation (full validation only) › veterinary prescription			
	a. Has an SOP that describes how pigs are protected from parasites been developed in consultation with a licensed veterinarian?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	b. Has an SOP that describes how pigs are protected from parasites been adequately implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Q10.2.10	Verify that appropriate measures are in place to prevent predators and other wildlife from accessing the outdoor pens and pasture.	Full and partial validation: › observation (full validation only) › interview			
	Are appropriate measures in place to prevent predators and wildlife from accessing the outdoor pens and pasture?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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



LEVELS OF COMPLIANCE – EXAMPLES

COMPLIANT

- › Personnel have consulted the fact sheets on *Toxoplasma* and *Trichinella* and understand the risk associated with these parasites.

MINOR NON-COMPLIANCE **Timeline: 12 months**

- › A Sanitation SOP and/or the Alternative Cleaning SOP is missing a few elements.

MAJOR NON-COMPLIANCE **Timeline: 60 days**

- › A parasite and predator management SOP has not been developed or implemented.
- › Appropriate measures to prevent wildlife, predators and other animals from accessing the outdoor pen and pasture have not been implemented.