

Department of Agriculture, Forestry and Fisheries

Directorate Animal Health

Notice No. VPN/47/2014-01

TO: STATE VETERINARY OFFICES

SUBJECT: Standard for the registration of vector-protected equine quarantine facility for export

**PART I Procedure for registration of a vector-protected equine quarantine facility for export**

**PART II Requirements of a vector-protected equine quarantine facility for export**

**ANNEX A Application form for the registration of a vector-protected equine quarantine facility for export**

**ANNEX B Inspection report for approval as a vector-protected equine quarantine facility for export**

  
DIRECTOR ANIMAL HEALTH

DATE 2014 -01- 2 1

# PART I

## Procedure for registration of a vector-protected equine quarantine facility for export

### 1. REGISTRATION FOR EXPORT STATUS

The applicant must apply in writing to the Provincial Veterinary Authority, using Annex A of this document, if he/she wishes to register a vector-protected equine quarantine facility for export purposes.

It is essential that all managers / owners of vector-protected equine quarantine facilities liaise closely with their respective State Veterinarians.

**The vector-protected export quarantine facility must be inspected by the responsible state veterinarian before every intake of horses immediately before horses are confined for the start of quarantine.**

The below listed documents must be presented to the official veterinarian on application for registration:

- 1.1 Annex A - Application form, completed and signed by the applicant (owner / manager) and the official veterinarian responsible for supervision and certification at the quarantine.
  - 1.2 Site plan – The purpose of the site plan is to assess whether the site is suitably isolated from other equidae and potential vector breeding sites. This plan must indicate the location of the quarantine facility and surrounding structures on the premises. It must also indicate activities on neighbouring properties.
  - 1.3 Detailed plan – The detailed plan must include the structures in and around the quarantine facility, particularly those referred to in the structural requirements (Part II of this VPN). The plan must include as many amenities as possible, including the exact position and use of all buildings, loading areas, fences, change rooms, storage sites, reservoirs etc. as well as an indication of neighbouring activities, including the proximity of other equidae. Please indicate any open bodies of water, wetlands and vleis.
- NB: The site plan and detailed plan(s) must be endorsed by the inspecting veterinary official to confirm the existence of structures.**
- 1.4 Annex B - Inspection Report completed by the official veterinarian following inspection of the quarantine.
  - 1.5 The following SOP's:
    - 1.5.1 An SOP to be followed when entering the vector-protected building
    - 1.5.2 An SOP for taking feed into the facility and removing bedding/ manure from the facility
    - 1.5.3 An SOP to monitor and audit the efficacy of vector protection including monitoring of positive pressure.
    - 1.5.4 An SOP for protecting horses against vector attack during loading and transport to the airport
    - 1.5.5 An SOP to be followed in the case of the suspicion of an infectious disease.
    - 1.5.5 An SOP for the evacuation of a horse / horses in the event of an emergency
    - 1.5.6 An SOP for exercise outside (only applicable to vector protected quarantine stations located in the African horse sickness free area)

- 1.5.7 An SOP for veterinarians entering the quarantine facility (the veterinarian must visit the quarantine station first in the morning after showering the night before, clean clothes that have not been in contact with horses must be worn, the veterinarian must sign compliance every time he / she enters).
- 1.5.7 An SOP for vector control and surveillance outside.

## **2. INSPECTION TO APPROVE A VETERINARY APPROVED VECTOR-PROTECTED EQUINE QUARANTINE FACILITY FOR EXPORT**

- 2.1 **The registration of the vector-protected export quarantine facility is valid for a year but the quarantine facility must be inspected by the responsible state veterinarian before every intake of horses immediately before horses are confined. It is not necessary to send these reports to the Directorate Animal Health but evidence that these inspections were conducted must be recorded in a register at the facility and copies of reports will be required when the establishment applies for re-registration. The National Office must be informed of any changes.**
- 2.2 An authorised official veterinarian must inspect the vector-protected equine quarantine facility.
- 2.3 The owner/manager of the quarantine facility and the official veterinarian will agree upon a suitable date for the inspection. The official veterinarian will inform the owner/manager of the quarantine facility of the conditions under which the inspection will be carried out.
- 2.4 The basis for approval will be the requirements as described in this document.
- 2.5 The official veterinarian will be responsible for the following actions/procedures:
- a. Acquaint himself / herself with the minimum requirements for a vector-protected equine quarantine facility for export
  - b. Provide a new applicant with an application form that corresponds in form and content to the model in Annex A.
  - c. Inspect the vector-protected equine quarantine facility and complete Annex B with appropriate descriptive comments, upon receipt of the properly completed application form, site and detailed plans and SOP's.
  - d. If the quarantine facility does not comply with the requirements in Part II of this VPN, the official veterinarian must provide the owner/manager with a detailed report with the reasons why the quarantine facility cannot be approved. The report must correspond in form and content to the model in Annex B.
  - e. Arrange for another inspection when the owner/manager indicates that all the deficiencies have been rectified.
  - f. Confirm that he/she is able to perform the required inspection and supervision service.
  - g. Keep the original application document on file.
  - h. Submit a copy of the application and all supporting documents to the National Director Animal Health, Department of Agriculture, Forestry & Fisheries. The fax number is 012 329 6892 / e-mail [EImarieV@daff.gov.za](mailto:EImarieV@daff.gov.za)

- i. Receive the original registration certificate, keep a copy thereof on file and give the original certificate to the applicant.

### **3. RE-REGISTRATION**

- 3.1 The registration of the vector-protected export quarantine facility is valid for a year but the quarantine facility must be inspected by the responsible state veterinarian before every intake of horses immediately before horses are confined for the start of vector protected quarantine, since circumstances evolve over time. It is not necessary to send these reports to the Directorate Animal Health but a register must be kept at the facility and evidence that these inspections were conducted will be required when the establishment applies for re-registration.
- 3.2 For re-registration purposes, the facility must be inspected, and Annex A and Annex B submitted. Copies of site plans need not be submitted annually, unless there are structural changes that have taken place.
- 3.3 Facilities will only be re-registered once the application for re-registration has been received, evaluated and approved by the National Director Animal Health.

### **4. LISTING OF A VETERINARY APPROVED VECTOR-PROTECTED EQUINE QUARANTINE FACILITY FOR EXPORT**

- 4.1. All veterinary approved vector-protected equine quarantines must be listed in an official "List of Approved Veterinary Facilities" to be compiled and regularly up-dated by the Veterinary Authority. An updated list of all approved facilities will be kept by the National Directorate Animal Health.
- 4.2. The list must contain the following information for each veterinary approved vector-protected equine quarantine:
  - a. Registration / ZA number
  - b. Name of owner/manager
  - c. Registered name of veterinary approved vector-protected equine quarantine
  - d. Postal address
  - e. Telephone and cell phone number
  - f. Fax number
  - g. Province
  - h. District/municipality
  - i. GPS co-ordinates (preferably in degrees, minutes and seconds)
  - j. Physical address of quarantine
  - k. Name and contact details of official veterinarian
- 4.3 The list will only be made available upon request to interested parties or persons.
- 4.4 Following registration or re-registration of a facility, the National Directorate Animal Health will issue a certificate of registration, which will be valid for a maximum of one year. The original certificate will be sent to the official veterinarian who submitted the application. The official veterinarian must supply the original to the applicant and keep a copy of the certificate on file. A copy of the certificate will also be kept on file at the National Directorate Animal Health.

## **5. DE-REGISTRATION**

- 5.1 Applications for re-registration must reach the office of the Director Animal Health, National Department of Agriculture, Forestry & Fisheries before the date of expiry of the registration certificate. Failing this, the facility will be de-registered.
- 5.2 Owners/managers must contact the local State Veterinarian at least 3 months before the expiry date of the certificate, to arrange for the re-inspection.
- 5.3 The approval of the facility can be withdrawn at any time without warning, at the discretion of the Director Animal Health, if any shortcomings or non-conformances are detected.

## **PART II**

### **REQUIREMENTS OF A VETERINARY APPROVED VECTOR-PROTECTED EQUINE QUARANTINE FACILITY**

#### **1. GENERAL**

Exemption may be applied for, from the National Directorate Animal Health, from certain requirements of this VPN if the establishment is located in the official African Horse sickness free zone.

If the vector protected equine quarantine facility is not in the African horse sickness free zone the horses must be fully confined under vector protected conditions for the full quarantine period.

If the vector protected equine quarantine facility is in the African horse sickness free zone limited exercise outside the facility may be permitted during daylight, 2 hours after sunrise and two hours before sunset.

While insect repellents and insecticide sprays are a useful tool for the short-term control of vectors, for example during transport, on their own they do not provide complete protection from vector attack. Repeated applications of effective repellents and insecticides are indicated.

For welfare reasons a walking ring, treadmill or equivalent effective exercise area must be available inside the vector-protected building throughout the quarantine period, in the case of vector protected equine quarantine facilities not in the African horse sickness free zone.

#### **2. RECORD KEEPING**

- 2.1 All registers and records must be kept in an auditable transparent manner and be readily accessible at the quarantine.
- 2.2 Registers, records and SOP's must be available regarding staff training – the programme for educating and training workers to ensure that all persons involved are knowledgeable and informed on biosecurity principles and practices of vector control.
- 2.3 There must be a register and full movement records for all horses taken into the premises, ensuring full traceability regarding source and destination. The date and time when each animal is added to or removed from the vector protected unit must be recorded and the date and time of the start of the vector protected period must be clearly recorded..
- 2.4 A register and full records relating to disease diagnosis, treatments and vaccinations should be maintained on an individual basis within the establishment. The temperatures of all horses must be recorded on a daily basis.
- 2.5 All medication administered must be recorded (all medication must also be registered) and may only be administered with permission of the official veterinarian.
- 2.6 A register, records and results for vector monitoring must be available
- 2.7 Each occasion when application of insecticide is undertaken must be recorded in a register.
- 2.8 Horses must be individually identified at the start of the quarantine period with a microchip and a passport that complies with international standards for export.

### **3. ACCESS CONTROL**

#### **3.1 ONTO THE QUARANTINE FACILITY SITE**

- 3.1.1 **Fencing.** The vector-protected building must be fenced off by a 2m high, horse and pony proof fence or wall, ideally with alarmed electric fencing. The fence must be sufficient to restrict access of animals, ground birds and unauthorised people to the site. It is essential that this barrier is a sturdy construction and that the entrance is always locked when not in use. The inner complex must be at least 10 m from the perimeter barrier, to create an animal free zone. Integrity of the fence must be checked and maintained on a continuous basis.
- 3.1.2 **Access to the quarantine facility must be by means of a gate.** Gates that are not manned must be locked.
- 3.1.3 **Signage:** A warning sign must be placed at all entrances to the quarantine, indicating that it is a biosecure area with no unauthorised access allowed.
- 3.1.4 **Visitors**  
No unauthorised visitors are allowed entry onto the quarantine site.  
A register must be kept, indicating date and time of visit, name of visitor, purpose of visit, designation, date and place of most recent contact with horses, contact details and a signature. Authorization for visitors must also be included in the register. Workers and management **MUST** also sign a register upon entry.

#### **3.2 INTO THE VECTOR PROTECTED BUILDING**

- 3.2.1 **Visitors**  
No visitors are allowed entry into the vector protected building.  
The only people permitted entry to the vector-protected building are dedicated grooms, the manager, the responsible state veterinarian and the responsible private veterinarian.  
  
A register must be kept, indicating date and time of visit, name of visitor, purpose of visit, designation, date and place of most recent contact with horses, contact details and a signature.  
  
Visitors may not have been in contact with other horses for 24 hours or must have showered and changed clothing and footwear.
- 3.2.2 **Access to the vector protected building must be by means of a double door entry system** whereby at least one of the doors (inner or outer) is prevented from being opened if the other door is open. An SOP must be in place for entry through these doors.

### **4. WORKERS**

- 4.1 **Instructions must be given to staff about biosecurity and introducing vectors to the quarantine.** This should be contained in an SOP and there should be documented evidence of training.
- 4.2 **Workers may not have been in contact with other horses for 24 hours**

- 4.3 The wearing of protective clothing must be enforced for all workers. At the start of each working day or shift, the owner must provide personnel with clean protective clothing, including gumboots. A gumboot wash facility that does not cause pooling of wash water must be available.  
Protective clothing should include a complete change of clothes and footwear.  
The owner must ensure that such clean protective clothing is stored and handled so that it does not make contact with "private" or civilian clothing.  
Private clothes must be kept in a locker that is reserved for that purpose only.

## **5. STRUCTURAL REQUIREMENTS**

### **5.1 GENERAL STRUCTURAL REQUIREMENTS**

- 5.1.1 An office must be available at the quarantine facility for storage of records and for use by the official veterinarian.
- 5.1.2 The buildings on the site must be dedicated to specific activities.
- 5.1.3 There must be a changing room and hygiene facility, equipped with showers. The showering facilities must have sufficient hot and cold water as well as clean towels. Soap and shampoo must be provided in the shower.
- 5.1.4 An adequate number of toilets must be provided for all workers on the site, with toilet paper and hand washing facilities with sufficient liquid soap.
- 5.1.5 There must be sufficient storage space for all equipment to be used during quarantine.
- 5.1.6 Loading and vehicle disinfection facilities must be provided. The loading bay must be such that a closed vehicle or jet stall can be docked at the door of the vector protected building to facilitate loading under vector protected conditions.
- 5.1.7 Approved disposal methods must be available for garbage / waste of all kinds and discarded equipment

### **5.2 REQUIREMENTS FOR THE QUARANTINE FACILITY**

- 5.2.1 The site should be located away from vleis, rivers, animal housing and yards that are likely midge breeding sites. Other attractions would be compost heaps or other organic material, standing water, landfill sites etc
- 5.2.2 The area surrounding the vector protected building must be de-vegetated, in a 10m radius.
- 5.2.3 The area surrounding the vector protected building must be kept free of manure to minimize the likelihood of midges accidentally entering the building trapped on people and in feed etc.
- 5.2.4 Good drainage for water must be available.
- 5.2.5 A concrete apron must be constructed around the vector protected building.
- 5.2.6 Vector surveillance and control must be carried out around the vector protected building (the purpose is to detect changes in vector density during a quarantine period).  
Onderstepoort light traps must be activated every night during quarantine from 2 hours before sunset to 2 hours after sunrise and catches must be analysed every week.

### **5.3 REQUIREMENTS OF A VECTOR-PROTECTED BUILDING**

A vector protected building must:

- 5.3.1 BE A SINGLE SOLID BUILDING WITH CONTROLLED AIRFLOW AND WITH A SINGLE DOUBLE-DOOR EXIT AND ENTRY SYSTEM.
- 5.3.2 be constructed of solid walls and double glazed windows, with a solid ceiling.



- 5.3.3 have no gaps in the construction. All air inlets and drains must be constructed with filters to prevent entry of vectors and filters must be checked before each quarantine intake and changed regularly.
- 5.3.4 be sufficiently robust that the horses to be quarantined are not able to cause damage that would create a breach of protection from vectors.
- 5.3.5 provide enough space, light, ventilation and other features (including a walking ring, treadmill, or equivalent exercise area) necessary to safeguard the welfare of the horses throughout the quarantine period. The indoor exercise facilities are not required if the quarantine station is located in the African horse sickness free zone.
- 5.3.6 have an alarmed double door entry system whereby at least one of the doors (inner or outer) is prevented from being opened if the other door is open. An SOP must be in place for entry through these doors. Each door of the double-door entry system must be fitted so that the door seals tightly with the entrance (no spaces may be present under the door and there may not be keyholes in the door), or be otherwise constructed to prevent midges getting through (e.g. draught proofing foam strips impregnated with insecticide). The space between the doors must be large enough to accommodate any person, animal or object likely to enter or leave the facility during the period of protection from vector attack to enable either the inner or the outer door to be closed at all times. **Note:** In order to minimise traffic through the entrance, piped drinking water must be provided and there must be an SOP to take feed into the facility and remove manure and bedding.
- 5.3.7 contain at least three working tamperproof ultraviolet insect traps. Traps must be erected inside and outside the facility throughout the quarantine period to audit the level of vector protection. Onderstepoort light traps manufactured by the ARC-OVI must be used as they were chosen by the OIE as the gold standard for the collection of *Culicoides* midges. Collections must be consigned to an approved laboratory for analysis once a week throughout the quarantine period under supervision of the responsible state veterinarian or authorised official who will be responsible for recording the data. The last traps must be emptied within 4 days before the end of the quarantine period and the results must be available by the time the veterinary health certificate is to be issued.
- 5.3.8 have positive pressure ventilation within the establishment (with circulated air). 12 incoming volumes/ air changes and 8 outgoing per hour will create the positive air pressure. An engineering certificate and monitoring system is required. The system must be serviced before each quarantine period and a service certificate must be available.
- 5.3.9 have a floor constructed from material that is easy to clean (this excludes dirt floors), and does not allow pooling of water.
- 5.3.10 have no openable windows, or doors, other than the main double entry/exit door.
- 5.3.11 Before the start of quarantine, the space and surfaces inside of the vector-protected building must be treated with a residual insecticide spray containing alphacypermethrin (for example BASF Fendona 6 for indoor residual spraying). The product must be registered in terms of the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947).
- 5.3.12 have a functioning automatic insecticide (alphacypermethrin or cypermethrin) dispenser inside the facility as well as inside the double door entry system.

## **6. FOOT BATHS AT THE ENTRANCE TO THE SITE**

- 6.1 Foot baths must be placed at the main entrance to the quarantine site (the office could serve as an entry point and the footbath placed outside the office entrance to the site).
- 6.2 Foot baths should contain disinfectant which is registered and active in the presence of organic material.
- 6.3 Disinfectants in the foot baths must be replaced at least once a day. Foot baths must be constructed in such a way that people entering or leaving the quarantine site cannot easily bypass the foot bath.
- 6.4 There should be evidence that the footbaths are in use.

## **7. PEST CONTROL**

- 7.1 An effective pest (mice, rats, mites, and flies) control programme should be documented and followed.
- 7.2 A map of the bait stations for rodent control must be supplied as well as evidence of routine surveillance and follow up corrective actions where required.
- 7.3 Access of rats and mice to feed should be prevented, for example by keeping feed in bins, bags or closed store rooms.

## **8. DISEASE CONTROL AND SURVEILLANCE**

- 8.1 The horses must be checked daily for signs of disease. Temperatures must be taken and recorded daily. Any signs of AHS or other infectious or notifiable disease must be reported immediately to the state veterinarian responsible for the facility.
- 8.2 In the case of a suspected infectious disease, an SOP must be followed and the official veterinarian must be notified.
- 8.3 Records must be kept of all testing performed. A copy of all results must be kept on file at the quarantine station.
- 8.4 If an importing country requires testing for any specific diseases this must be done to enable the state veterinarian to provide export certification.
- 8.5 All tests for export purposes must be done at an accredited official laboratory or any DAFF approved laboratory.

## **9. GUIDANCE ON INSECTICIDE AND REPELLANT TREATMENT**

### **9.1 General**

- 9.1.1 Insect repellents and insecticides must be used simultaneously. There is currently no product registered for use on horses with a *Culicoides* repellent or insecticide claim in South Africa.
- 9.1.2 Insecticide and insect repellent must be applied daily at different sites on the body, during late afternoon, 2 hours before sunset.

### **9.2 Insect repellents**

- 9.2.1 Published data is available supporting DEET as a repellent, and (alpha) cypermethrin as an insecticide in laboratory trials. Tabard (containing DEET) is currently undergoing registration at Act 36 for use on horses. Informed owner consent must be obtained for extra label use of the product and a prescription is required from the responsible state / private veterinarian.

For details regarding DEET use on horses contact Dr DG Catton Tel:(012)665 5157 / (012 665-3438)

9.2.2 Horses not treated with insect repellent may not be housed in the vector protected export quarantine.

### 9.3 Insecticides

Insecticides used in the vector-protected building must be registered for use in animal housing and used in accordance with manufacturer's instructions.

With regards to treatment of the horses with insecticide, only insecticides registered in terms of the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947) must be used. The insecticide must be registered for use on horses and must be used in accordance with the manufacturer's instructions, including the interval between repeat treatments. The recommended active ingredients are cypermethrin or alphacypermethrin.

9.3.1 Product details are as follows: The following products, containing cypermethrin, are registered for use on horses in South Africa: Buzz Off Spray (Healthtech), Equiworld Fly Repellent (Stride), Intervet Quadrepel (Intervet). Consult the IVS for further details.

## 10. MANAGEMENT OF A VECTOR PROTECTED FACILITY

10.1 Before horses are placed in the facility, it must be cleaned and disinfected and treated with insecticide. Sealing of the building and the functioning of the double door entry system must be checked carefully.

10.2 The horses must be treated with insecticide and insect repellent before they are introduced into the facility. The period of protection from vectors begins when the last animal enters the facility. Quarantine must be operated on an "all in, all out" basis. No horse may be removed from the facility without the permission of the state veterinarian.

10.3 Feed bales must be opened outside the vector-protected building and spread in the sun or soaked in water, or frozen at -18°C (for a week), prior to introduction into the vector-protected building.

10.4 Movement of people and objects into and out of the facility should be kept to a minimum. People must not enter the vector-protected building during the period 2 hours before sunset and the 2 hours after sunrise. When entering the facility, the outer door must be closed, clothing brushed down, and the person should wait for 1 minute, standing near to the ultraviolet trap before opening the inner door. On leaving the facility the inner door must be closed before opening the outer one. Both doors should remain securely closed at all other times when not in use. The outer door should be protected against unauthorised access through the use of a warning notice or a lock or both. There must be an SOP in place to evacuate people and horses in the event of an emergency.

10.5 If a horse is removed from the unit for any reason, it may not re-enter or be replaced with an alternative horse without restarting the full period of protection required. When moving an animal, precautions must be taken to avoid the entry of midges, for example through the spraying of insecticide and minimising the time that the outer door is open or through

moving the animal when the temperature is below 5°C or during the middle of the day when vector activity is reduced

## **11. MOVEMENT OF HORSES FROM THE QUARANTINE FACILITY TO THE AIRPORT**

- 11.1 An SOP is required for the protection of horses from vector attacks during loading of horses and transport to the airport, taking into account the local ecology of the vector. Specialised trucks and loading equipment are required.
- 11.2 Potential risk management strategies include:
  - 11.2.1 treating horses with insect repellents prior to transportation and insecticide prior to and during transportation;
  - 11.2.2 Prior to loading the horses, the crates, containers or jet stalls must be sprayed with a registered insecticide. Empty insecticide containers must be retained as evidence.
  - 11.2.3 loading, transporting and unloading horses at times of low vector activity (i.e. bright sunshine, low temperature);
  - 11.2.4 ensuring vehicles do not stop *en route*
  - 11.2.5 the roof and sides of the vehicle, must be covered with 70% shade cloth;
  - 11.2.6 using historical information and/or information from appropriately verified and validated AHS epidemiological models to identify low risk ports and transport routes.
  - 11.2.7 The cargo hold of the aircraft must also be sprayed with an approved insecticide just after the doors to the aircraft are closed and prior to takeoff, or immediately prior to the closing of the aircraft doors after loading.
- 11.3 Before the facility is registered, there must be a “trial run” of the loading process witnessed by the state veterinarian.
- 11.4 The loading of the horses into vector protected jet stalls must be done inside the quarantine facility or via vector protected docking seals. The vector protected jet stalls must be loaded onto the truck, transported to the airport and loaded onto the plane. There must be no transferring of the horses out of the jet stalls.

(Logo of Controlling Authority)

## ANNEX A APPLICATION FOR EXPORT APPROVAL

Reference no

### A. GENERAL INFORMATION ON THE ESTABLISHMENT

DATE		
NAME OF REPORTING PROVINCIAL OFFICER		
NAME OF HOLDING		
APPROVAL NUMBER		
PHYSICAL ADDRESS		
POSTAL ADDRESS		
POSTAL CODE		
TOWN		
PROVINCE		
TELEPHONE NUMBER		
FAX NUMBER		
NAME OF THE MANAGER / OWNER		
E-MAIL ADDRESS OF MANAGER / OWNER		
NAME OF THE HYGIENE MANAGER		
E-MAIL ADDRESS OF HYGIENE MANAGER		
NAME OF CONSULTING VETERINARIAN		
CONTACT DETAILS OF CONSULTING VETERINARIAN		
NAME OF AUTHORISED VETERINARIAN RESPONSIBLE FOR VETERINARY INSPECTIONS AND EXPORT CERTIFICATION		
NAMES OF AUTHORISED PROVINCIAL OFFICERS RESPONSIBLE FOR INSPECTING THE HOLDING ON A REGULAR BASIS		
EXPORTING TO (COUNTRIES)		
IMPORTING FROM (COUNTRIES)		
TYPE OF ESTABLISHMENT	LIVE ANIMALS FOR BREEDING	
	LIVE ANIMALS FOR SLAUGHTER	
	SEMEN	
	EMBRYOS/OVA	
	EMBRYONATED EGGS	
	TANNERY	
	TAXIDERMY	
	CANNED FEED FOR ANIMALS	
DRY FEED FOR ANIMALS		

	OTHER (SPECIFY)	
SPECIES	CATTLE	
	SHEEP	
	GOATS	
	PIGS	
	HORSES	
	WILD GAME	
	POULTRY	
	CAGE REPTILES	
	OSTRICH	
	CROCODILE	
	PRIMATES	
	OTHER (SPECIFY)	

**B. DECLARATION BY STATE VETERINARIAN**

I \_\_\_\_\_ the veterinarian responsible for providing an inspection and certification service at the facility mentioned in the preceding pages hereby declare that:

Drawings of the establishment and a comprehensive inspection report are attached to this application; and

I agree to abide by all the conditions set by the Department of Agriculture, Forestry & Fisheries and importing countries for the export of animals/animal products obtained from this facility.

Signed at (place) \_\_\_\_\_ on, (date) \_\_\_\_\_

\_\_\_\_\_  
(signature of official veterinarian)

Stamp

\_\_\_\_\_  
(name in capital letters, title and qualification)

**C. DECLARATION BY OWNER/MANAGER**

I, \_\_\_\_\_ the owner/manager of the quarantine facility mentioned in the preceding pages, hereby declare that I will:

1. Cooperate with the state veterinary officials and adhere to the requirements for a veterinary approved vector-protected equine quarantine;
2. Report any outbreak or suspected outbreak of diseases to the state veterinary official within 12 hours;
3. Enforce the biosecurity measures as required for a veterinary approved vector-protected equine quarantine.
4. Contact the state veterinary officials 3 months prior to expiry of the registration of the quarantine facility to arrange for the annual re-registration.
5. I have read the content of Part II of the VPN/44/2012-06 and agree to comply with all requirements..
6. I agree to abide by all the conditions set by the Department of Agriculture, Forestry & Fisheries and importing countries for the export of animals/animal products from this facility.

Signed at \_\_\_\_\_ on \_\_\_\_\_

.....

Signature

Name.....

Capacity.....

**ANNEX B**

**INSPECTION REPORT FOR APPROVAL AS A VECTOR-PROTECTED EQUINE QUARANTINE FACILITY FOR EXPORT**

**1. GENERAL**

In which African horse sickness zone of the country is the establishment (please tick the correct box):

The African horse sickness free zone

The African horse sickness surveillance zone

The African horse sickness protection zone

The African horse sickness infected zone

**2. RECORD KEEPING**

2.1 Are all registers and records kept in an auditable and transparent manner and readily accessible at the quarantine? **YES/NO**

2.2 Are registers, records and SOP's available regarding staff training – the programme for educating and training workers to ensure that all persons involved are knowledgeable and informed on biosecurity principles and practices of vector control? **YES/NO**

2.3 Is there a register and full movement records for all horses taken into the premises, ensuring full traceability regarding source and destination (the date and time when each animal is added to or removed from the vector protected unit must be recorded and the date and time of the start of the vector protected period must be clearly recorded)? **YES/NO**

Please provide a copy of a page from the register.

2.4 Is a register and full records relating to disease diagnosis and treatments, available? **YES/NO**

Is a register and full records relating to vaccinations available? **YES/NO**

Are the temperatures of all horses recorded on a daily basis? **YES/NO**

2.5 Is all medication administered recorded (all medication must also be registered and may only be administered with permission of the official veterinarian) **YES/NO**

2.6 Is a register, records and results for vector monitoring available? **YES/NO**

2.7 Each occasion when application of insecticide is undertaken must be recorded in a register. Is such a register available? **YES/NO**

Please provide a copy of a page from the register.

2.8 Are horses individually identified at the start of the quarantine period with a microchip and a passport that complies with international standards for export? **YES/NO**

If any of the above-mentioned points, under point 2, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---



---

---

---

**3. ACCESS CONTROL**

**3.1 ONTO THE QUARANTINE FACILITY SITE**

**3.1.1 Fencing.**

- a. The vector-protected building is fenced off by a 2m high, horse and pony proof fence or wall, with alarmed electric fencing. **YES/NO**
- b. The fence is sufficient to restrict access of animals, ground birds and unauthorised people to the site. **YES/NO**
- c. This barrier is a sturdy construction and the entrance is always locked when not in use. **YES/NO**
- d. The inner complex is at least 10 m from the perimeter barrier, to create an animal free zone. **YES/NO**
- e. Integrity of the fence is checked and maintained on a continuous basis. **YES/NO**
- f. Please describe the fencing around the quarantine facility site: \_\_\_\_\_

---

---

---

- 3.1.2 Access to the premises is controlled. **YES/NO**  
Gates that are not manned are locked. **YES/NO**

- 3.1.3 A warning sign is placed at all entrances to the quarantine, indicating that it is a biosecure area with no unauthorised access allowed. **YES/NO**

**3.1.4 Visitors**

- a. No unauthorised visitors are allowed entry onto the quarantine site. **YES/NO**
- b. A register is kept, indicating date and time of visit, name of visitor, purpose of visit, designation, date and place of most recent contact with horses, contact details and a signature. **YES/NO**
- c. Authorization for visitors is included in the register. **YES/NO**
- d. Workers and management sign a register upon entry. **YES/NO**

If any of the above-mentioned points, under point 3.1, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

**3.2 INTO THE VECTOR PROTECTED BUILDING**

**3.2.1 Visitors**

- a. Visitors are not allowed entry into the vector protected building. **YES/NO**

- b. The only people permitted entry to the vector-protected building are dedicated grooms, the manager, the responsible state veterinarian and the responsible private veterinarian.
- c. A register is kept, indicating date and time of visit, name of visitor, purpose of visit, designation, date and place of most recent contact with horses, contact details and a signature. (Visitors may not have been in contact with other horses for 24 hours or must have showered and changed clothing and footwear). **YES/NO**

3.2.2 Access to the vector protected building is by means of a double door entry system whereby at least one of the doors (inner or outer) is prevented from being opened if the other door is open. An SOP is in place for entry through these doors. **YES/NO**

If any of the above-mentioned points, under point 3.2, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

---

---

#### 4. WORKERS

- 4.1 Instructions are given to staff about biosecurity and introducing vectors to the quarantine. (This should be contained in an SOP and there should be documented evidence of training). **YES/NO**
- 4.2 Workers may not have been in contact with other horses for 24 hours, and if so how is this achieved (by means of a declaration etc)? **YES/NO**

---

---

---

---

#### 4.3 Protective clothing.

- a. The wearing of protective clothing is enforced for all workers. At the start of each working day or shift, the owner provides personnel with clean protective clothing, including gumboots. **YES/NO**  
Where is protective clothing cleaned?

---

---

---

- b. A gumboot wash facility that does not cause pooling of wash water is available. **YES/NO**
- c. Protective clothing includes a complete change of clothes and footwear.. **YES/NO**
- d. Such clean protective clothing is stored and handled so that it does not make contact with "private" or civilian clothing. **YES/NO**
- e. Private clothes are kept in a locker that is reserved for that purpose only. **YES/NO**

If any of the above-mentioned points, under point 4, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

---

## 5. STRUCTURAL REQUIREMENTS

### 5.1 GENERAL STRUCTURAL REQUIREMENTS

- 5.1.1 An office is available at the quarantine facility for storage of records and for use by the official veterinarian. YES/NO
- 5.1.2 The buildings on the site are dedicated to specific activities. YES/NO
- 5.1.3 There is a changing room and hygiene facility, equipped with showers. The showering facilities have sufficient hot and cold water as well as clean towels. Soap and shampoo is provided in the shower. YES/NO
- 5.1.4 An adequate number of toilets are available for all workers on the site, with toilet paper and hand washing facilities with sufficient liquid soap. YES/NO
- 5.1.5 There is sufficient storage space for all equipment to be used during quarantine. YES/NO
- 5.1.6 Loading and vehicle disinfection facilities are available. The loading bay is such that a closed vehicle or jet stall can be docked at the door of the vector protected building to facilitate loading under vector protected conditions. YES/NO
- 5.1.7 Approved disposal methods are available for garbage / waste of all kinds and discarded equipment. YES/NO

If any of the above-mentioned points, under 5.1, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

---

---

### 5.2 REQUIREMENTS FOR THE QUARANTINE FACILITY

- 5.2.1 The site is located away from vleis, rivers, animal housing and yards that are likely midge breeding sites. YES/NO
- 5.2.2 The area surrounding the vector protected building is de-vegetated, in a 10m radius. YES/NO
- 5.2.3 The area surrounding the vector protected building is kept free of manure to minimize the likelihood of midges accidentally entering the building trapped on people and in feed etc. YES/NO
- 5.2.4 Is pooling of water noticed in the area surrounding the building? YES/NO
- 5.2.5 A concrete apron has been constructed around the vector protected building. YES/NO
- 5.2.6 Vector surveillance and control is carried out around the vector protected building (the purpose is to detect changes in vector density during a quarantine period). YES/NO  
Onderstepoort light traps are used and are activated every night during quarantine from 2 hours before sunset to 2 hours after sunrise and catches are analysed every week. YES/NO

If any of the above-mentioned points, under point 5.2, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---





---

---

**6. FOOT BATHS AT THE ENTRANCE TO THE SITE**

6.1 Foot baths have been placed at the main entrance to the quarantine site **YES/NO**

6.2 Foot baths contain disinfectant which is registered and active in the presence of organic material. **YES/NO**  
Which disinfectant is used? \_\_\_\_\_

6.3 Disinfectants in the foot baths are replaced at least once a day. **YES/NO**

6.4 Foot baths are constructed in such a way that people entering or leaving the quarantine site cannot easily bypass the foot bath. There is evidence that the footbaths are in use **YES/NO**

If any of the above-mentioned points, under point 6, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

**7. PEST CONTROL**

7.1 An effective pest (mice, rats, mites, and flies) control programme has been documented and followed. **YES/NO**  
Please describe the pest control programme \_\_\_\_\_

---

---

---

---

---

7.2 A map of the bait stations for rodent control has been supplied as well as evidence of routine surveillance and follow up corrective actions where required. **YES/NO**

7.3 Access of rats and mice to feed is prevented. **YES/NO**

If any of the above-mentioned points, under point 7, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

**8. DISEASE CONTROL AND SURVEILLANCE**

**8.1 Daily disease monitoring:**

a. The horses are checked daily for signs of disease. **YES/NO**

b. How is this documented, enforced and verified?

---

---

---

---

---

c. Temperatures are taken and recorded daily. **YES/NO**

d. Please provide a copy of the register

e. Any signs of AHS or other infectious or notifiable disease are reported immediately to the state veterinarian responsible for the facility. **YES/NO**

8.2 In the case of a suspected infectious disease, an SOP is followed and the official veterinarian is notified. **YES/NO**

8.3 Records are kept of all testing performed. **YES/NO**

A copy of all results is kept on file at the quarantine station. **YES/NO**

8.4 Testing for any specific diseases, as required by the importing country, is done to enable the state veterinarian to provide export certification. **YES/NO**

8.5 All tests for export purposes are done at an accredited official laboratory or any DAFF approved laboratory. **YES/NO**

Which laboratory is used? \_\_\_\_\_

---

If any of the above-mentioned points, under point 8, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

**9. GUIDANCE ON INSECTICIDE AND REPELLANT TREATMENT**

**9.1 General**

9.1.1 Insect repellents and insecticides are used simultaneously. **YES/NO**

9.1.2 Insecticide and insect repellent must be applied daily at different sites on the horse's body, during late afternoon, 2 hours before sunset. How will this be documented and enforced?

---

---

---

---

**9.2 Insect repellents**

9.2.1 Published data is available supporting DEET as a repellent, and (alpha) cypermethrin as an insecticide in laboratory trials. Tabard (containing DEET) is currently undergoing registration at Act 36 for use on horses.

Informed owner consent has been / will be obtained for extra label use of the product and a prescription has been provided by the responsible state / private veterinarian. **YES/NO**  
Which insect repellent is used? \_\_\_\_\_

9.2.2 Horses not treated with insect repellent may not be housed in the vector protected export quarantine. **YES/NO**

**9.3 Insecticides**

a. Insecticides used in the vector-protected building are registered for use in animal housing and used in accordance with manufacturer's instructions. **YES/NO**

b. With regards to treatment of the horses with insecticide, only insecticides registered in terms of the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947) are used. Which insecticide is used?

---

---

---

---

---

c. The insecticide is used in accordance with the manufacturer's instructions, including the interval between repeat treatments. **YES/NO**

If any of the above-mentioned points, under point 9, have not been complied with please explain the non-compliance and the date by when corrective measures will be implemented

---

---

---

---

---

---

---

**10. MANAGEMENT OF A VECTOR PROTECTED FACILITY**

10.1 Before horses are placed in the facility, the facility is cleaned and disinfected and treated with insecticide. **YES/NO**

Please describe the cleaning programme

---

---

---



10.2 Sealing of the building and the functioning of the double door entry system is checked carefully. **YES/NO**

Describe how this is checked

---

---

---

---

---

10.3 Horses are treated with insecticide and insect repellent before they are introduced into the facility. **YES/NO**

Please describe how this is documented, enforced and verified

---

---

---

---

10.4 Quarantine will be operated on an "all in, all out" basis. **YES/NO**  
Please describe how this will be documented, enforced and verified:

---

---

---

---

---

10.5 Horses may be removed from the facility without the permission of the state veterinarian. **YES/NO**

10.6 What method is used to prevent introduction of vectors to the building via feed?

---

---

---

10.7 Movement of people and objects into and out of the facility is kept to a minimum. **YES/NO**

Please describe how this will be enforced and verified

---

---

---

---

---

10.8 People may not enter the vector-protected building during the period 2 hours before sunset and the 2 hours after sunrise. Please describe how this will be enforced and verified

---

---

---

---

10.9 When entering the facility, the outer door must be closed, clothing brushed down, and the person should wait for 1 minute, standing near to the ultraviolet trap before opening the inner door. On leaving the facility the inner door must be closed before opening the outer one. Both doors should remain securely closed at all other times when not in use. Please describe how this is enforced and verified



11.2 Please describe, step by step, the process that is followed to load the horses on the aeroplane

---

---

---

---

---

---

---

---

---

---

**ANNEX C**

**CHECKLIST OF DOCUMENTS TO ACCOMPANY THE APPLICATION**

DOCUMENT	TICK IF ATTACHED	OFFICE USE ONLY
Application form		
Inspection report		
Site Plan		
Detailed plan		
A copy of a page from the intake register		
A copy of a page from the register for insecticide treatment		
A copy of a page from the register where the horse's temperatures are recorded		
An SOP to be followed when entering the vector-protected building		
An SOP for taking feed into the facility and removing bedding/ manure from the facility		
An SOP to monitor and audit the efficacy of vector protection including monitoring of positive pressure.		
An SOP for protecting horses against vector attack during loading and transport to the airport		
An SOP to be followed in the case of the suspicion of an infectious disease.		
An SOP for the evacuation of a horse / horses in the event of an emergency		
An SOP for exercise outside (only applicable to vector protected quarantine stations located in the African horse sickness free area)		
An SOP for veterinarians entering the quarantine facility (the veterinarian must visit the quarantine station first in the morning after showering the night before, clean clothes that have not been in contact with horses must be worn, the veterinarian must sign compliance every time he / she enters).		
An SOP for vector control and surveillance outside.		