CERTIFICATION ASSURANCE PROCEDURE CA-05

BIOSECURE TRANSPORT AND TREATMENT OF HOST PLANT MATERIAL DESTINED FOR RECYCLING OR WASTE

NUMBER CA05 VERSION 2.0

AUTHORISED BY Manager, Plant Product Integrity & Standards

AUTHORISED DATE 07/09/2017 EFFECTIVE DATE 07/09/2017

ISSUED BY Primary Industries, Biosecurity & Food Safety

SCOPE

PART A sets out the conditions you must comply with for the biosecure transport and certification of host plant material, consigned to be treated or disposed of by a business accredited under PART B of CA-05.

PART B sets out the conditions you must comply with to treat and certify host plant material under PART B of CA-05.

Pests

• Potato cyst nematode (Globodera rostochiensis), and
• Phylloxera (Daktulosphaira vitifolia).

Host Plant Material

• Any mulch or soil improving material (such as garden organics) that has, within the previous five years, been in contact with a grapevine plant within a Phylloxera Infested Area, and
• PCN linked potato processing waste.

Disclaimer
The information contained in this Procedure is based on knowledge and understanding at the time of writing (September 2017). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up-to-date and to check currency of the information with the appropriate officer of the Department or the user’s independent adviser.
CONDITIONS FOR PART A BUSINESSES

1. Facility requirements
You must ensure that your facility is at least 1.5 km from any sensitive industry.

2. Segregation of host plant material
You must ensure that all host plant material is segregated at least 10 m from other plant material at all times.
You must also ensure that host plant material that contains potato processing waste is segregated at least 10 m from any other host plant material at all times.

NOTE: Methods to assist with this requirement include using different coloured containers for different host plant material and for other soil or plant material, or separating the storage areas with a visual or physical barrier.

3. Cleaning and inspection of equipment
You must ensure that any equipment that has been in contact with host plant material is cleaned, inspected and free of soil and plant material before the equipment comes into contact with any other plant material.

4. Loading of host plant material
You must ensure that prior to transport the:
(a) host plant material is loaded on a hard surface
(b) host plant material is placed in a container, and
(c) external surfaces of the container and the transport vehicle are free of plant material.

5. Transporting of host plant material
You must ensure that the host plant material is consigned to a facility accredited under Part B of this procedure:
(a) by the most direct route
(b) accompanied by a spill management plan, and
(c) accompanied by a duly completed original PHAC.
You must ensure that the spill management plan includes your name and contact details and action required in the event of a spill including:

• immediate actions if the spill is near a sensitive industry
• actions to contain, salvage or dispose of the spill
• requirements to notify the Department’s hotline 1800 084 881 or an Authorised Officer and contact details for these people, and
• equipment required to implement the spill management plan including shovel, broom and mobile phone.
You must ensure that all equipment required to implement the spill management plan accompanies each consignment.
6. Record keeping

You must ensure that the following records are made and kept for four years:

A current **facility plan** that includes the following information:

- proximity to sensitive industry
- road access including street names
- internal roadways within the facility providing access to the receival, segregation and consignment areas
- the location and identification of buildings and facilities
- the location of any wash down or cleaning areas
- loading areas for receival and dispatch, and
- locations for host plant material to be consigned under this Procedure.

**NOTE:** An example of a facility plan can be found at Attachment 1.

An **equipment inspection record** that includes the following information:

- a description of the equipment; including make, model and serial number if applicable
- the date and results of each inspection
- details of any rejection, and
- the name and signature of the person who did the inspection.

**NOTE:** An example of an equipment inspection record can be found at Attachment 3.

The **duplicate** of each PHAC.

7. Certification

You must ensure that PHACs are duly completed, issued and distributed in accordance with the work instruction **WI-01 Guidelines for the completion of Plant Health Assurance Certificates**.

**NOTE:** Books of pre-printed PHACs are available from Biosecurity Certification, Department of Primary Industries, phone 02 6552 3000. Upon suspension, cancellation or withdrawal of accreditation, the PHAC book must be immediately returned to the Department.
CONDITIONS FOR PART B BUSINESSES

1. Facility requirements
You must ensure that your facility is at least 1.5 km from any sensitive industry.
You must maintain a vegetation free buffer zone of at least 10 m from any host plant material.
You must not accept PCN linked potato processing waste for treatment if your accredited business is located within the seed potato protected area.

2. Segregation of untreated and treated host plant material
You must ensure that all untreated host plant material is segregated at least 10m from other plant material at all times.
You must also ensure that untreated host plant material that contains potato processing waste is segregated at least 10 m from any other untreated host plant material at all times.

NOTE: Methods to assist with this requirement include using different coloured containers for different host plant material and for other soil or plant material, or separating the storage areas with a visual or physical barrier.

3. Cleaning of containers and equipment
You must ensure that any container or equipment that has come into contact with untreated host plant material is cleaned free of soil and plant material before it leaves the facility or before it comes into contact with any treated host plant material.
You must also ensure that any container or equipment that has come into contact with untreated host plant material that contains potato processing waste is cleaned free of soil and plant material before it leaves the facility or before it comes into contact with any other host plant material.

4. Treatment of host plant material
You must ensure that host plant material is treated using one of the following treatment methods:
For host plant material containing PCN linked potato processing waste:
(d) composting under AS 4454-2012 so that the whole mass is subjected to 55ºC for 7 days, or
(e) composting or pasteurisation in an open windrow so that the whole mass is subjected to a minimum of 3 turns with the internal temperature reaching a minimum of 55ºC for 7 consecutive days before each turn, or
(f) heat treatment by drum drying at 150ºC for 20 minutes prior to anaerobic digestion and extrusion treatment, or
(g) heat treatment by drum drying at 600ºC for 15 minutes, or
(h) burial in landfill, or
(i) burial in a bioreactor.
For **all other host plant material**:

(j) composting or pasteurisation by a business with current accreditation under the Australian Standards AS 4454-2012, or

(k) composting or pasteurisation in an open windrow so that the whole mass is subjected to a minimum of 3 turns with the internal temperature reaching a minimum of 55°C for 3 consecutive days before each turn, or

(l) composting or pasteurisation in a housed continuous windrow system so that the mass in a windrow in at least one (1) zone is subjected to the internal temperature reaching a minimum of 55°C for 3 consecutive days; and

(m) in the event where temperature data is not available for the facility, or where the mass in a windrow in at least one (1) zone has not reached 55°C, then the batch shall be segregated and shall not be released for certification until pathogen test results from a composite sample indicate < 1 *Salmonella* per 50 gram of final product and 100 *E. coli* (or thermotolerant coliforms) per gram of final product, or

(n) burial in landfill,

(o) burial in a bioreactor.

5. **Remote sensors**

You must ensure that each sensor is uniquely identified and matched to a specific data recorder.

6. **Calibration of thermometers**

You must ensure that all thermometers used in the treatment process are tested every 6 months and are accurate to within 1%.

7. **Frequency of temperature recording**

You must ensure that the following temperature readings are taken:

(a) For open windrow systems, at least 2 temperature recordings every 24 hours for each day of the treatment, with at least 6 hours between each reading.

(b) For housed continuous windrow systems at least 2 temperature recordings every 7 days, with at least 24 hours between each record. A temperature recording shall be taken from each zone within the facility.

8. **Rejected host plant material**

You must ensure that any host plant material which does not meet any PART B Conditions is rejected for certification and is segregated as untreated host plant material.

You must re-treat the host plant material according to all PART B Conditions or contact the Department on 1800 084 881 for further directions.

9. **Packed product identification**

You must ensure that treated host plant material is clearly marked on each package to be consigned:
• your IP number
• the words “MEETS CA-05”
• the date or date code when the host plant material was dispatched, and
• the batch code or package number of the host plant material.

10. Record keeping
You must ensure that the following records are made and kept for four years:

A current **facility plan** that includes the following information:

• proximity to sensitive industry
• road access including street name
• internal roadways within the facility providing access to the receival, segregation and consignment areas
• the location and identification of buildings and facilities
• the location of any wash down or cleaning areas
• loading areas for receival and dispatch, and
• locations for host plant material to be consigned under this Procedure.

**NOTE:** An example of a facility plan can be found at Attachment 1.

An **equipment inspection record** that includes the following information:

• a description of the equipment; including make, model and serial number if applicable
• the date and results of each inspection
• details of any rejection, and
• the name and signature of the person who did the inspection.

**NOTE:** An example of an equipment inspection record can be found at Attachment 3.

A **remote sensor plan** indicating the location and identity of each sensor.

An **equipment calibration record** that includes:

• the date of each calibration check
• details of the equipment calibrated
• all temperature readings and details of any corrections, and
• the name and signature of the person or recognised testing authority who conducted the calibration check.

A **treatment record** that includes the following information:

• the date of treatment commencement
• the treatment method used
• the type of host plant material (e.g., PCN linked potato processing waste or *Vitis* spp. host plant material)
• the date of each turning
• details of each temperature reading and the date taken
• the date the treatment is completed, and
• the name and signature of the person who took the temperature reading.

**NOTE:** An example of a treatment record can be found at Attachment 2.
The **original** PHAC issued by the Part A business that sent you the host plant material.

The **duplicate** of each PHAC issued by you or on your behalf.

**11. Certification**

You must ensure that PHACs are duly completed, issued and distributed in accordance with the work instruction *WI-01 Guidelines for the completion of Plant Health Assurance Certificates*.

**NOTE:** Books of pre-printed PHACs are available from Biosecurity Certification, Department of Primary Industries, phone 02 6552 3000. Upon suspension, cancellation or withdrawal of accreditation, the PHAC book must be immediately returned to the Department.
DEFINITIONS IN THIS PROCEDURE

Authorised Officer means an Authorised Officer under the Biosecurity Act 2015.

container means a fully enclosed truck body or bin with a sealable hatch or tarpaulin system that will prevent the enclosed material escaping during transport.

host plant material means:

(i) any soil, mulch or soil improving material (such as garden organics) that has, within the previous 5 years, been in contact with a grapevine plant within a Phylloxera Infested Area, and

(ii) PCN linked potato processing waste.

PCN linked Potato processing waste

means waste from a processing potato from PCN linked land

NOTE: the terms ‘processing potato’ and ‘PCN linked land’ have the same meaning as in the Biosecurity Order -Permitted Activities made under section 404A of the Biosecurity Act 2015.

PHAC means a Plant Health Assurance Certificate that is issued in accordance with this procedure.

Sensitive industry means an agricultural or horticultural industry which may be adversely affected by untreated host plant material including nurseries, vineyards, and seed potato growers.

Phylloxera Infested Area

has the same meaning as in Part 2 of Schedule 2 to the Biosecurity Act 2015.

You means the person accredited as a biosecurity certifier under the Biosecurity Act 2015.

ATTACHMENTS

Attachment 1 – Example Facility plan
Attachment 2 – Example Treatment record
Attachment 3 – Example Equipment inspection record

FURTHER INFORMATION

Biosecurity Act 2015
Accreditation of Biosecurity Certifiers
Biosecurity Audit Frequency
WI-01 – Guidelines for Completion of Plant Health Assurance Certificates
## REVISION HISTORY

<table>
<thead>
<tr>
<th>VERSION</th>
<th>DATE</th>
<th>AMENDMENTS</th>
<th>SECTION</th>
<th>DETAILS</th>
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<tr>
<td>1.0</td>
<td>27/06/2013</td>
<td>All</td>
<td>3</td>
<td>Include reference to O443 Plant Diseases (Potato Pest and Diseases and Seed Potato Protected Areas) Order 2013.</td>
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<tr>
<td>1.1</td>
<td>19/05/2014</td>
<td>All</td>
<td>7.2</td>
<td>Facility to include 10m vegetation free Zone.</td>
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<td></td>
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<td>7.4.7.2</td>
<td>Elements of a Spill Management Plan.</td>
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<td>2</td>
<td>28/08/2017</td>
<td>All</td>
<td>6</td>
<td>Changes made to align with the Biosecurity Act 2015. Updated definitions, removed details for accreditation, auditing procedures, sanctions policy and charging, and removed the application form and PHAC. Updated NSW Department of Primary Industries contact details.</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>8.6.5.5</td>
<td>Add requirement for pathogen testing of rejected treated host plant material from housed continuous windrow systems.</td>
</tr>
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<td></td>
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<td>8.6.6</td>
<td>Change requirement from manual temperature record every 12 hours, to six temperature recordings every three days, with at least six hours between each reading for open windrow systems. Add manual temperature record for housed continuous windrow system.</td>
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<tr>
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<td></td>
<td>8.6.7</td>
<td>Add sampling and pathogen test results of rejected treated host plant material from housed continuous windrow systems to enable certification.</td>
</tr>
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<td>8.9</td>
<td>Add action following failed pathogen test result.</td>
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<td>Clarify the requirement for rejected treated host plant material.</td>
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</table>
The Facility Plan is to include the following:
(a) vegetation free buffer zones
(b) proximity to sensitive industry
(c) road access including street names
(d) internal roadways within the facility providing access to the receival, segregation and consignment areas
(e) the location and identification of buildings and facilities
(f) the location of any wash down or cleaning areas
(g) loading areas for receival and dispatch, and
(h) locations for conforming and non-conforming host plant material.

NOTE: A Facility Plan (overleaf) must be included for each property covered by the Business’ Certification Assurance arrangement.

<table>
<thead>
<tr>
<th>Block Reference Code or No.</th>
<th>Name used on Facility for the block</th>
<th>Type of host plant material (e.g. PCN linked potato processing waste, other host plant material, treated or untreated)</th>
<th>Type of treatment (i.e. compost, drum drying, disposal, mine rehabilitation)</th>
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Facility Plan CA-05

Indicate North
## Treatment Record

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<th>Date</th>
<th>Treatment method</th>
<th>Type of host plant material</th>
<th>Treatment duration</th>
<th>Treatment temperature</th>
<th>Process Controller name</th>
<th>Process Controller signature</th>
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## Equipment Inspection Record

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<th>Serial No.</th>
<th>Inspection date</th>
<th>Details of inspection</th>
<th>Accepted (Y/N)</th>
<th>Process Controller name</th>
<th>Process Controller signature</th>
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