



Licence to import, move and keep prohibited soil for chemical and physical analysis

Licence No. 52716/198178/4

This licence is issued for the purposes of plant health legislation only and provides no authority in respect of any other matters, e.g. in relation to human or animal health. It is the applicant's responsibility to ensure that he/she complies with any other relevant regulations and requirements in addition to those relating to plant health.

In pursuance of Part 8 of the Plant Health (England) Order 2005 and of the Plant Health (Wales) Order 2006 (hereafter referred to as 'the Orders') the Secretary of State of the Department for Environment, Food and Rural Affairs (hereafter referred to as 'the Secretary of State') in relation to England, and the Welsh Government, in relation to Wales, hereby authorises:

SEAES
University of Manchester
Williamson Building
Oxford Road
Manchester
M13 9PL

('the licensee') to import, move and keep the material specified in Annex 1, subject to the limitations and conditions set out below.

The soil may be obtained or landed directly in England and Wales from the sources stated in Annex 1, and/or from licensed sources in England and Wales.

1. Validity

This licence is valid from 01/10/2014 but subject to annual review.

2. Person(s) responsible

The person(s) responsible for the soil and under whose direct supervision it shall be kept is:

Prof. D.A. Polya
Dr. C. Robinson

3. Containment facilities

The material covered by this licence shall be held and used in:

Geomicrobiology laboratories (B26, Constant Temperature Room, B29, B30 and/or the Inorganic & Organic Geochemistry Laboratories (1.18, inc. Balance Room, 1.22, 1.25A, 1.25B, 1.25C & 1.27 inc. class 1,000 Clean Room) at the above address.

All consignments imported under the terms of this licence must be accompanied by a letter of authority as provided with this licence. For further details please refer to explanatory leaflet PHI 1.

4. Precautions during transit

Any material obtained under the terms of this licence must be conveyed directly to the containment facilities authorised under this licence.

The material shall be transported within an unbreakable container, which is within two additional layers of secure, closed packaging

5. Standard Operating Procedures

Standard Operating Procedures must be drawn up for the handling, containment and culturing of the material, and circulated to all personnel authorised to enter the approved facilities. These procedures must be displayed at all entrances to the approved facilities and be available for inspection by an authorised officer of the Secretary of State or of the Welsh Government.

6. Notification

In the event of the discovery on the licensee's premises of any non-indigenous plant pest or pathogen, the licensee must immediately notify the Plant Health and Seeds Inspectorate of the Animal and Plant Health Agency, at Sand Hutton, York (hereafter referred to as "PHSI") or the local Plant Health and Seeds Inspector.

The licensee shall send to PHSI with any application for extension of this licence, full details of:

- (a) all the material obtained under the licence in the previous 12 months;
- (b) all material currently held under the licence;
- (c) all licensed material destroyed in the previous 12 months;
- (d) a list showing the personnel working with the licensed material and their relevant qualifications.

The licensee must notify PHSI when the activities to which this licence relates are completed and all materials have been destroyed.

The authority given by the licence shall be acknowledged, and the licence number quoted, in all publications relating to work with the licensed material.

7. Inspection

The licensee shall permit an authorised officer of the Secretary of State or of the Welsh Government to inspect the conditions under which the material is kept and shall allow samples of plants, plant pathogens and pests to be taken for scientific examinations. Records as required above (see 6. Notifications) must be made available on request during the inspection.

If required by an authorised officer of the Secretary of State or of the Secretary of State or of the Welsh Government, by written notice, the licensee must destroy or treat the licensed material at the licensee's own expense and risk, according to the terms specified in the notice.

8. Containment

All activities relating to the use of and keeping of the licensed material must be confined to the approved containment facilities. Except for destruction and disposal purposes (see 9. Destruction of Licensed Material and Associated waste), the material, including any infected/inoculated plants and control plants, must not be removed from the containment facilities without written permission from PHSI.

Access to the containment facilities shall be restricted to the licensee and personnel authorised by the licensee as specified in the sop.

The licensee must take all necessary precautions, as discussed and agreed with an authorised officer of the Secretary of State or of the Welsh Government, to prevent dissemination of the material from the containment facilities.

9. Destruction of Licensed Material and Associated waste

On arrival of the material at the licensee's premises, all accompanying packing material and any discarded or extraneous material, must be treated or destroyed according to the procedures described below.

When the activities using the licensed material are complete, the licensed material and any associated waste, infected/inoculated plants, control plants and soil must be treated on site as follows:

- a) i) Incinerated

or

- ii) Autoclaved. 121°C (15psi) must be maintained in the centre of the load for 30 minutes. If available, probes are to be used to monitor temperature and vacuuming or "free steaming" used to reduce the amount of air in the load. The autoclave must be loaded so as to comply with the manufacturers' instructions.

- b) Following treatment, as above, the remaining material should be disposed of at an authorised landfill or similar disposal site.

All equipment and containment facilities used in association with the licensed material must be suitably treated after use as detailed in the approved Standard Operating Procedure.

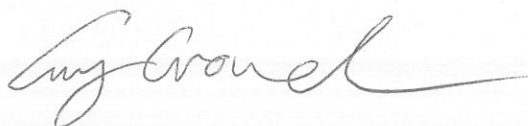
10. Sending licensed material to other persons or organisations

The Material covered by this licence may be sent to persons or organisations who hold a current Plant Health licence providing written agreement has first been obtained from PHSI. Material may also be sent to persons or organisations overseas who have authority from their national plant health authorities to receive such material.

11. Revocation/variation

This licence may be varied or revoked by the Secretary of State of the Department for Environment, Food and Rural Affairs and of the Welsh Government, at any time

Signed and Dated: 21 OCT 2014



GUY CROUCH

For and on behalf of the Secretary of State of the Department for Environment, Food and Rural Affairs and of the Welsh Government.

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1. The material covered by this licence:

Soil and sediment with accompanying water samples.
From: All Countries

Miscellaneous fungi isolated from licensed soil

2. The work to be undertaken is:

Investigation of mechanisms controlling the distribution of geogenic contaminants that occur in groundwaters.

Isolation of fungal cultures from Antarctic and Arctic soil.

3. Special Precautions

- a.) After identification of fungal cultures they should be destroyed as per licence condition 9. However if they are plant pathogens and further work is to be carried out on them, the plant health administration service team must be informed and a plant pathogen licence applied for.
 - b.) All work with the microorganisms isolated from the samples must be confined to in vitro work within the laboratories.
 - c.) Plants must not be grown in the imported samples.
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PHSI can be contacted at:

**Animal and Plant Health Agency
Plant Health and Seeds Inspectorate
Room 10GA01
Sand Hutton
York
YO41 1LZ**

Tel: 01904 405113

E-mail: guy.crouch@apha.gsi.gov.uk

Your local Plant Health and Seeds Inspector can be contacted at:

**Animal and Plant Health Agency
Room 001
Building 308
World Freight Terminal
Manchester Airport
Manchester
M90 5PZ**

Tel: 07767 357272

E-mail: ben.pye@apha.gsi.gov.uk