



Checklist for a Physical Containment Level 2 Aquatic Organism Facility

(Checklist against the requirements of the Gene Technology Regulator's
*Guidelines for Certification of a Physical Containment Level 2
Aquatic Organism Facility*)

Organisation Name

Facility Name

IBC Name

Is this checklist provided as part of an application for:

Certification of a new facility?

Variation to an existing Certification?

For variations please provide the OGTR Certification Number

Name(s) and signature(s) of person(s) inspecting the facility (please print name clearly)

Date of Inspection

Time taken to complete this form:

Hours		Minutes	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please read this page first

Important Notes

- If you require more space, please attach the information and indicate that you have added an attachment.
- If in answer to any of the questions below you have indicated there is work pending completion or procedures yet to be implemented, please provide the expected completion date. Please be aware that the OGTR will require confirmation when work has been completed and it is unlikely the facility will be certified until this confirmation has been received.

Requirements for a Physical Containment Level 2 Aquatic Organism Facility

Please tick the appropriate answer or provide the requested information for the following questions, which relate to the conditions applying to the specified PC2 Aquatic Organism Facility.

Section 1 – Facility requirements

Please answer all questions in this section.

Requirement 2. If the **facility** is located in an area that is prone to flooding or storm surges, approval of the application for certification will depend on an assessment of the risks of genetically modified organisms ('GMOs') escaping in a flood or storm surge event. The application must include details of the GMOs that will be kept in the **facility**; details about the magnitude and likelihood of flooding or storm surges; and details of **facility** design features and risk management procedures that will ensure no GMOs escape from the **facility** during a flood or storm surge event.

Q. 2.1 Is this requirement relevant to the facility?

- Yes. Answer 2.2
 No. Continue to Requirement 3

Q. 2.2 Does the facility comply with requirement 2?

- Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 3. The **facility** must be a fully enclosable space contained within walls, doors, windows, floors and ceilings. Doors and windows must be lockable. The **facility** must be designed to prevent the entry of surface run-off water or the surface run-off must be diverted around the facility.

Q. 3.1 Does the facility comply with requirement 3?

- Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 4. The floors of the **facility**, including any **bunding**, must be made of a durable material that is impervious to water and any joins between the floor and the **bunding** must be sealed.

Q. 4.1 Does the facility comply with requirement 4?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 5. The **facility** must have a system for the treatment of liquid effluent that contains, or is suspected of containing aquatic GMOs or GM pathogens. This effluent includes that from the wash-up of equipment such as primary and secondary containers, filters, nets, and any other equipment that does or may contain aquatic GMOs or GM pathogens.

Q. 5.1 Does the facility comply with requirement 5?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 6. If the **facility** has floor drainage exits, all effluent from these drains must be filtered, or **decontaminated** by heat or chemical treatment, before being discharged.

Q. 6.1 Is this requirement relevant to the facility?

Yes. Answer 6.2

No. Continue to Requirement 7

Q. 6.2 Does the facility comply with requirement 6?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 7. Open spaces between and under benches, cabinets and equipment must be accessible for cleaning.

Q. 7.1 Is this requirement relevant to the facility?

- Yes. Answer 7.2
- No. Continue to Requirement 8

Q. 7.2 Does the facility comply with requirement 7?

- Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 8. If the work in the **facility** will involve GM pathogens, or there will be hand contact with GMOs that could persist on the hands after exit from the **facility**, the **facility** must contain either a wash basin fitted with tap(s) of the hands-free operation type or some other means of decontaminating hands.

Q. 8.1 Is this requirement relevant to the facility?

- Yes. Answer 8.2
- No. Continue to Requirement 9

Q. 8.2 Does the facility comply with requirement 8?

- Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 9. Where any device or system will be connected directly or indirectly to the water supplied to the **facility** that may allow GMOs to escape into environment via the water supply to the **facility** water service, then backflow prevention measures must be implemented in accordance with the requirements of Section 4 of Australian Standards/ New Zealand Standards ('AS/NZS') 3500.1:2003.

Q. 9.1 Is this requirement relevant to the facility?

Yes. Answer 9.2

No. Continue to Requirement 10

Q. 9.2 Does the facility comply with requirement 9?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 10. If the work in the **facility** will involve GM pathogens, or there will be contact with any GMOs that could persist on clothing after exit from the **facility**, then designated storage or hanging provisions for protective clothing must be available in the **facility**.

Q. 10.1 Is this requirement relevant to your laboratory?

Yes. Answer 10.2

No. Continue to Requirement 11

Q. 10.2 Does the laboratory comply with requirement 10?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 11. The **facility** must be fitted with sufficient primary containers (eg tanks) to contain aquatic organisms to be kept in the **facility**. If there is any likelihood of the formation of aerosols containing GM pathogens or viable GMOs (such as the larvae of bivalves and some crustaceans, or viable aquatic plant material) then the **aerosols** must be prevented from escaping the **facility** by covering the primary containers or filtering any exhaust air.

Q. 11.1 Does the facility comply with requirement 11?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 12. Secondary containment must be provided to retain and **decontaminate** any spillage of water from:

- breakage of, leakage from, or overflow from, primary container(s); or
- overflow or leakage from aquarium water circulation systems that could contain GMOs.

In providing for retention of water from breakage, leakage or overflow, the total volume that must be able to be retained can be estimated as follows:

- where there are 10 or less primary containers, the volume of the largest primary container;
- where there are more than 10 primary containers of equal sizes, the sum of the volumes of 10% of the containers, rounded up to the next whole number of containers (e.g. for 11-20 containers of equal sizes this equals the total volume of any 2 of the containers);
- where there are more than 10 primary containers of different sizes, the sum of the volumes of the largest n containers, where n= 10% of the containers, rounded up to the next whole number of containers (e.g. for 11-20 containers of different sizes this would be the total volume of the largest 2 containers).

plus:

- the likely total volume of any overflow or leakage from aquarium water circulation systems that could contain GMOs;

plus:

- the volume of any disinfectant that might be used; and
- additional capacity to prevent any expected general fluid movement from splashing over the top of the secondary containment.

Q. 12.1 Does the **facility** comply with requirement 12?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.

Requirement 13. The **facility** must be able to demonstrate that it is capable of complying with the conditions of certification that will be applied to a certified PC2 Aquatic Organism Facility, as attached to the 'Requirements for Certification' in the *Guidelines for Certification of Physical Containment Facilities, PC2 Aquatic Organism Version 2.1.*

Q. 13.1 Will the facility be capable of complying with the conditions of certification that will be applied to a certified PC2 Aquatic Organism Facility?

Yes

No - please explain the reasons for non-compliance and details of EITHER any actions being taken to rectify the situation OR reasons why an exemption may be justified.