

CERTIFICATE OF ASSIGNMENT

of

AQUACULTURE LICENCE NO. 422

This is to certify that the Aquaculture Licence referred to has been assigned, with the approval of the Minister of State at the Department of Communications, Marine and Natural Resources, from:

AQUACULTURE DEVELOPMENT CENTRE,
DISTILLERY FIELDS,
UNIVERSITY COLLEGE,
CO. CORK

to

DAITHI O' MURCHU MARINE RESEARCH STATION,
GERAHIES,
BANTRY,
CO. CORK.

with effect from 28 February, 2006, subject to the terms and conditions thereof.

Signed: 

A person authorised under Section 15 of the Minister and Secretaries Act, 1924, to authenticate the seal of the Minister for Communications, Marine and Natural Resources.

28 February, 2006

AQUACULTURE LICENCE NO. 422

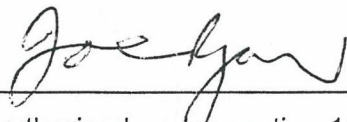
GRANTED UNDER THE FISHERIES (AMENDMENT) ACT, 1997 (NO. 23)

The Minister for Communications, Marine and Natural Resources, in exercise of the powers conferred on him by the Fisheries (Amendment) Act, 1997 (no.23), hereby grants an Aquaculture licence to:

AQUACULTURE DEVELOPMENT CENTRE
DISTILLERY FIELDS
UNIVERSITY COLLEGE
CO CORK

For the cultivation and retention of fish, algae and zooplankton at their Aquaculture Research Centre at Gerahies, Bantry, Co. Cork in accordance with plans approved by the Minister, subject to the provisions of the Act referred to and to the terms and conditions set out in the Schedule attached.

Subject as aforesaid, this Aquaculture Licence shall remain in force until for a maximum period of ten (10) years commencing on 26 January, 2004.



A person authorised under section 15(1) of the Ministers and Secretaries Act, 1924 to authenticate the Seal of the Minister for Communications, Marine and Natural Resources.

26 January 2004

**TERMS AND CONDITIONS OF 10 YEAR AQUACULTURE LICENCE FOR
UNIVERSITY COLLEGE CORK FOR THE AQUACULTURE RESEARCH CENTRE
AT GERAHIES, BANTRY, CO. CORK.**

General

- 1.(a) This Licence shall remain in force only for so long as the aquaculture research centre complies with both the planning permission granted by Cork County Council on 11 December 1991 (ref. W/1856/91) and the Effluent Discharge Licence granted by Cork County Council on 30 March, 1992 (ref. WP(W) 7/91) (or a further such Licence granted by the said Council or by the Environmental Protection Agency).
- (b) This Licence shall be reviewed by the Minister not later than 3 years after the date of the start of the Licence.
2. The Licensee shall comply with such instructions as the Minister may issue from time to time for the proper operation of the aquaculture research centre, including in particular instructions issued in relation to any of the matters referred to in the following paragraphs.
3. The Licensee shall indemnify and keep indemnified the State, the Minister, his officers, servants or agents against all actions, loss, claims, damages, costs, expenses or demands arising in any manner whatsoever in connection with the construction, maintenance or use of any structures, apparatus, equipment or other thing used in the exercise of the rights granted under this Licence and the Licensee shall take all steps specified in order to ensure compliance with this condition.
- 4.(a) The Licensee shall ensure that no derelict or redundant structure, apparatus, equipment or thing associated with the research centre is allowed to remain on the licensed area or on the adjoining land and that any such structure, apparatus, equipment or thing is properly removed for proper disposal elsewhere.
- (b) In the event of neglect or abandonment of the facility, the Minister shall take such action as he thinks fit (including revocation of this Licence or the disposal of any fish or any structure, apparatus, equipment or thing there) and the Licensee shall be liable to reimburse the Minister in respect of the expense involved in so doing.
5. This Licence is not to be construed as authorising the Licensee to interfere with or infringe in any way the rights of any other person.
6. The Minister shall be at liberty at any time to revoke or amend the Licence if he considers that it is in the public interest to do so, or if he is satisfied that there has been a breach of any condition specified in the Licence, or in the event of water quality results or general performance at the aquaculture research centre not meeting the standards set by the Department of Communications, Marine and Natural Resources (hereinafter referred to as the Department). Any such revocation or amendment shall be subject to the provisions of the Fisheries (Amendment) Act, 1997, or any amendment thereto.

Stocking etc., restrictions

7.(a) No fish, algae or zooplankton other than those specified shall be bred or handled at the research centre.

(b) The species that may be bred or handled at the research centre are as follows:-

FINFISH	MOLLUSCS	CRUSTACEANS	MISC
Salmon	Oyster	Lobsters	Microalgae
Brown Trout	Mussel	Crayfish	Macroalgae
Rainbow Trout	Scallop	Shrimps	Zooplankton
Char	Clam	Prawns	
Turbot	Abalone		
Halibut	Periwinkles		
Brill	Cockles		
Sole	Whelks		
Dab	Sea Urchins		
Flounder			
Haddock			
Cod			
Bass			
Bream			
Wrasse			
Lumpsucker			
Wolfishes			
Eel			

(c) Other species of native origin may be bred or handled at the research centre, with the prior consent of the Minister.

8. The total standing biomass at the research centre shall not exceed 2 tonnes at any time.
9. Such precautions shall be taken by the Licensee as the Minister may specify from time to time in relation to the introduction of stock into the aquaculture research centre, including disease-free certification and any adaptation of methods of operation or type of installation at the aquaculture research centre.
10. Live fish shall not be sold or disposed of by the licensee to any person or in any way removed or transferred outside the aquaculture research centre save in accordance with the prior written permission of the Department.

Hygiene, Fish Health & Monitoring of water quality

11. The licensee shall make adequate arrangements for the hygienic operation of the research centre (including proper selection and preparation of food, and proper disposal of wastes, environmental monitoring and where necessary, treatment of effluent) and shall carry out any instructions issued in this connection by the Department.
12. The Licensee shall make arrangements for the disposal of dead fish in accordance with the applicable statutory provisions and requirements.

13. The Licensee shall carry out such water quality monitoring and provide such data relating to such monitoring as may be required by the Department or Cork County Council.
14. The Licensee shall fit adequate anti-predator netting on research centre structures so as to prevent predation and the possible introduction or spreading of disease by predators and shall comply with any directions which may be issued by the Department from time to time in that regard.
15. The Licensee shall notify the Department (Coastal Zone Management Division), Leeson Lane, Dublin 2 and the Fish Health Unit, Marine Institute, Snugborough Road, Abbotstown, Dublin 15, within twenty-four hours of the appearance or suspected appearance of any disease or abnormal losses or mortalities at the research centre and shall send samples to the Fish Health Unit at the above address in a prescribed manner as, and when, requested to do so and shall comply with any directions issued by the Department including the treatment, disposal or destruction of stocks of fish at the research centre in the interests of safeguarding the stocks of fish in the State.
16. The licensee shall make adequate arrangements to prevent the escape of fish from the unit and shall carry out any instructions in that regard as may be required from time to time by the Minister.
17. The Licensee shall notify the Department (Coastal Zone Management Division) and the Fish Health Unit, Marine Institute, at the above address, within twenty-four hours of any escapes of fish from the research centre and shall keep records of fish escapes, including numbers, origin, types and year classes and shall make these records available to the Department, the Fish Health Unit and Southern Regional Fisheries Board on request.

Special requirements on chemical usage

18. All chemicals, antibiotics and disinfectants used at the research centre shall be used in accordance with instructions issued by the Veterinary Surgeon to the research centre.

Inspections, records and returns

19. The licensee shall keep records of all chemicals and antibiotics with which the fish have been treated, including quantities and times of use and shall furnish such records to the Department of Communications, Marine and Natural Resources, (Coastal Zone Management Division), Leeson Lane, Dublin 2, as and when requested.
20. The tanks and all equipment or premises used in connection with operations carried on at the research centre and the records referred to in condition 19 shall be open to inspection at any time by any authorised officer (within the meaning of the Fisheries Acts), or any other person appointed by the Minister for the purpose.
21. The Licensee shall furnish to the Department (Coastal Zone Management Division) Leeson Lane, Dublin 2 such returns from the records kept at the research centre as may be required from time to time by the Department.

DEPARTMENT OF THE MARINE AND NATURAL RESOURCES

Certificate of Authorisation under Section 14 of the Fisheries

(Consolidation) Act, 1959

The Minister for the Marine & Natural Resources in exercise of the powers conferred on him by the Fisheries Acts, 1959 to 1998, hereby authorises, subject to the conditions set out in the Schedule to this Certificate of Authorisation, The Environmental Research Institute of University College Galway (hereinafter referred to as the "Licensee") to have in possession a maximum of 400 rainbow trout to be held in aerated plastic tanks for the period from 28 June, 2001 until 31 July, 2001.

SCHEDULE

Conditions of Certificate of Authorisation

1. No fish other than rainbow trout shall be held under the terms of this Certificate of Authorisation.
2. The rainbow trout shall be held in aerated plastic tanks, details of which have been submitted to and approved by the Minister for the Marine and Natural Resources (hereinafter referred to as the "Minister").
3. The Licensee shall take all measures necessary to prevent escapement from the tanks and shall carry out any instructions as may be issued from time to time by the Minister in this connection.
4. The Licensee shall keep records of all rainbow trout held in the tanks and of all movement and transfers of rainbow trout to and from the tanks and such records shall be made available for inspection at all reasonable times by an authorised officer (within the meaning of the Fisheries Acts) or any other officer of the Minister.
5. The Licensee shall furnish to Coastal Zone Administration Division, Department of the Marine and Natural Resources, Leeson Lane, Dublin 2 such returns from the records referred to at Condition No. 4 above as may be required from time to time by the Minister.
6. Live rainbow trout shall not be sold or disposed of by the Licensee to any person or in any way removed or transferred by the Licensee outside the research facility save in accordance with the written permission of the Minister.
7. The tanks and all premises used in connection with this Certificate of Authorisation shall be open to inspection at any time by an authorised

officer (within the meaning of the Fisheries Acts) or any other officer of the Minister.

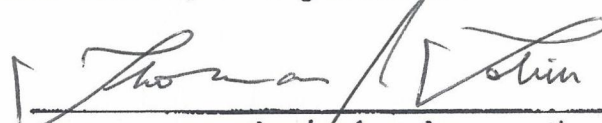
8. The Licensee shall operate the tanks and any premises or other structure concerned in a hygienic manner (including selection and preparation of food, environmental monitoring and where necessary, treatment of effluent) and shall carry out any instructions issued in this connection by the Minister.
9. The Licensee shall provide for the safe disposal of dead fish in a manner approved of by Cork County Council.
10. The Licensee shall indemnify and keep indemnified the State, the Minister, his officers, servants or agents against all actions, loss, claims, damages, costs, expenses and demands arising in any manner whatsoever in connection with the construction, maintenance or use of any aquaculture structures, apparatus or equipment in the exercise of the rights granted under this Certificate of Authorisation
11. The Licensee shall comply with such instructions as the Minister may issue from time to time for the proper management and control of all operations to which the Certificate of Authorisation relates.
12. In the event of neglect or abandonment of the fish, tanks or associated equipment the Minister shall revoke the Certificate of Authorisation and shall take further action as he thinks fit to dispose of the fish, tanks or associated equipment, and the Licensee shall reimburse the Minister all costs and expenses incurred by him in so doing.
13. This Certificate of Authorisation is non-transferable.
14. This Certificate of Authorisation is not to be construed as authorising the Licensee in any way to interfere with or infringe the rights of any other person.
15. The Licensee shall provide to the Minister, as soon as practicable after expiration of this certificate, a detailed report of the results of the experiments carried out under the terms of the certificate.

PRESENT when the Seal of Office of the

MINISTER FOR THE MARINE & NATURAL RESOURCES

was affixed and was authenticated by the Signature of :

THOMAS J. TOBIN


a person so authorised under section 15(1)
of the Ministers and Secretaries Act, 1924.

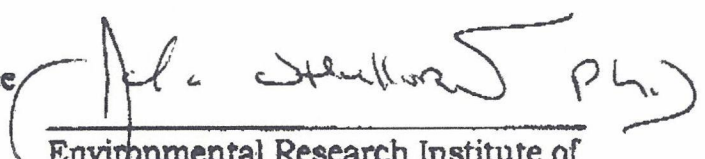
in the presence of:

WITNESS: Kevin Barry

OCCUPATION: Civil Servant

ADDRESS: Department of the Marine and Natural Resources
Leeson Lane
Dublin 2

SIGNED on behalf of Licensee


Environmental Research Institute of
University College Cork

in the presence of:

WITNESS: Michael Killema

OCCUPATION: Post-Doctoral Scientist

ADDRESS: Dept. Zoology and Animal Ecology,
U.C.C.
Cork.

DEPARTMENT OF THE MARINE

Certificate of authorisation under Section 14 of the Fisheries

(Consolidation) Act, 1959

The Minister for the Marine (hereinafter referred to as "the Minister") in exercise of the powers conferred on him by the Fisheries Acts, 1959 to 1995 hereby authorises, subject to the conditions set out in the schedule to this authorisation, The Zoology Department, University College Cork, (hereinafter referred to as "the Authorised Person") to have in possession fish, algae and zooplankton as listed under paragraph 23 of the Schedule to this authorisation, at the Authorised Person's Aquaculture Research Centre at Gerahies, Bantry, Co. Cork (hereinafter referred to as "the Fishery") for the period of five years from the 13th day of November, 1994.

SCHEDULE

Conditions of Authorisation

1. No fish, algae or zooplankton other than those specified shall be held under the terms of this Authorisation.
2. The fish, algae or zooplankton shall be held in tanks, details of which have been submitted to and approved by the Minister.
3. Live fish shall not be sold or disposed of by the Authorised Person to any person or in any way removed or transferred by the Authorised Person outside the tanks save in accordance with the written permission of the Minister.
4. The tanks and all premises used in connection with this Authorisation shall be open to inspection at any time by an authorised officer within the meaning of the Fisheries Acts.
5. The Authorised Person shall keep records of all fish, algae or zooplankton held in the tanks and records shall be made available by the Authorised Person for inspection at all reasonable times by an authorised officer within the meaning of the Fisheries Acts.
6. The Authorised Person shall furnish to the Secretary, Department of the Marine, (Aquaculture Section), Leeson Lane, Dublin 2 such returns from the records referred to at Condition No. 5 above as may be required from time to time by the Minister.

7. The Authorised Person shall operate the unit and any premises or other structure used in connection with operations carried out at the unit in a hygienic manner (including selection and preparation of food, environmental monitoring and where necessary, treatment of effluent) and shall carry out any instructions issued in this connection by the Minister.
8. The Authorised Person shall carry out such water quality monitoring and provide such data relating to such monitoring as may be requested by the Minister.
9. This Authorisation shall remain valid only so long as the licence granted by Cork County Council to discharge trade and sewage effluent from the fish farm remains valid.
10. The Authorised Person shall notify the Secretary, Department of the Marine and the Fisheries Research Centre, (Fish Pathology Unit), Abbotstown, Castleknock, Co. Dublin, within forty-eight hours of the appearance or suspected appearance of any disease at the fishery, or abnormal losses or mortalities and shall send samples to the Fish Pathology Unit, Abbotstown, Castleknock, Co. Dublin, in a prescribed manner as and when requested to do so and shall carry out any instructions issued as to the treatment, disposal or destruction of fish concerned.
11. All chemicals and antibiotics used in the fishery shall be used in accordance with instructions issued by the Minister from time to time.
12. The Authorised Person shall keep records of all chemicals and antibiotics with which the fish have been treated, including quantities and times of use and shall furnish such records to the Secretary, Department of the Marine (Aquaculture Section), Leeson Lane, Dublin 2, as and when requested to do so.
13. The Authorised Person shall make adequate arrangements to prevent the escape of fish from the unit and shall carry out any instructions in that regard as may be required from time to time by the Minister.
14. The Authorised Person shall notify the Secretary, Department of the Marine, Aquaculture Section, Leeson Lane, Dublin 2, within twenty-four hours of any escapes of fish from the fishery and shall keep records of fish escapes, including types and year classes and shall make these records available to the Secretary on request.
15. The Authorised Person shall fit adequate anti-predator netting on fish farm structures so as to prevent predation and the possible spreading of disease by predators and shall comply with any directions which may be issued by the Minister from time to time in that regard.
16. The Authorised Person shall dispose of all dead fish in a manner approved by the Minister and acceptable to the Local Authority.
17. The Authorised Person shall indemnify and keep indemnified the State, the Minister, his officers, servants or agents against all actions, loss, claims, damages,

costs, expenses and demands arising in any manner whatsoever in connection with the construction, maintenance or use of any aquaculture structures, apparatus or equipment in the exercise of the rights granted under this Authorisation.

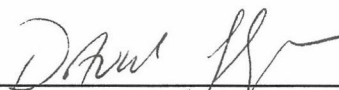
18. The Authorised Person shall comply with such instructions as the Minister may issue from time to time for the control of all fish culture activities concerned in the operation of the tanks and associated premises and structures.
19. In the event of neglect or abandonment of the fish in the tanks the Minister shall take such action as he thinks fit to dispose of the fish and associated fittings. Abandonment or neglect of the fishery will result in the Authorisation being immediately revoked.
20. The Minister shall be at liberty at any time to revoke or amend this Authorisation if he considers that it is in the public interest to do so or if he is satisfied that there has been a breach of any condition specified in the Authorisation or that the fishery to which the Authorisation relates is not being properly maintained.
21. This Authorisation is non transferable.
22. This Authorisation is not to be construed as authorising the Authorised Person in any way to interfere with or infringe the rights of any other person.
23. Species to be cultured at this unit are listed as follows:

FINFISH	MOLLUSCS	CRUSTACEANS	MISC
Salmon	Oyster	Lobsters	Microalgae
Brown trout	Mussel	Crayfish	Macroalgae
Rainbow trout	Scallop	Shrimps	Zooplankton
Char	Clam	Prawns	
Turbot	Abalone		
Halibut	Periwinkles		
Brill	Cockles		
Sole	Whelks		
Dab	Sea urchins		
Flounder			
Haddock			
Cod			
Bass			
Bream			
Wrasse			
Lumpsucker			
Wolfish			
Eel			

This Authorisation also covers other species of native origin as will be required from time to time subject to the approval of the Minister of individual species.

PRESENT when the Seal of Office
of the **MINISTER FOR THE MARINE**
was affixed and was authenticated
by the Signature of:

David Glynn


a person so authorised under Section
15(1) of the Ministers and Secretaries
Act, 1924.

WITNESS: Bernadette Kiely

ADDRESS: Department of the
Marine, Leeson Lane, DZ.

OCCUPATION: Civil Servant

PRESENT when the seal of the
authorised party was affixed hereto:

WITNESS: Bridget R. Hartnett

ADDRESS: M.C.C.

OCCUPATION: Administrative Officer


Deputy President


Governor


Secretary

Dated the 13th day of November, 1994

MINISTER FOR THE MARINE

WITH

UNIVERSITY COLLEGE CORK

Certificate of Authorisation