

## SUPPLEMENTARY GAZETTE



THE SOUTH AUSTRALIAN  
GOVERNMENT GAZETTE

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 PUBLISHED BY AUTHORITY
 

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ALL PUBLIC ACTS appearing in this GAZETTE are to be considered official, and obeyed as such

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 ADELAIDE, FRIDAY, 2 FEBRUARY 2001
 

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## FISHERIES ACT 1982: SECTION 43

TAKE notice that pursuant to section 43 of the Fisheries Act 1982, it is hereby declared that it shall be unlawful for any persons to engage in the act or an act preparatory to or involved in the taking of species of the family cephalopoda (squid, cuttlefish and octopus) from those waters specified in Schedule 1 during the periods specified in Schedule 2.

## SCHEDULE 1

All waters of Spencer Gulf within an area bounded by a line commencing at Point Lowly lighthouse, then to the southern end of the Port Bonython jetty, then in a generally south westerly direction to the eastern most point of the BHP jetty, position latitude 33°02.3'S, longitude 137°35.95'E, near Whyalla, then to the high water mark at the base of the jetty, then following the high water mark along the shoreline in an easterly direction back to the point of commencement.

## SCHEDULE 2

From 1 March 2001 to 30 September 2001 inclusive.  
Dated 29 January 2001.

W. ZACHARIN, Director of Fisheries

## FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00001  
(PREVIOUS LICENCE NO. F608)

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Emily Krstina (Australia) Pty Ltd (13053)  
P.O. Box 792  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:

- 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
- 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
- 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
- 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
- 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. Sea Cages

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
586382E 6156505N	8
586048E 6156740N	
586156E 6156896N	
586487E 6156663N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 10

*Stocking Rates*

The maximum weight of fish introduced into the site must not exceed 25 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 8 at \$49 each.....	392.00
TEMP Environmental Monitoring Fee per hectare 8 at \$164 each.....	1 312.00
Base Licence Fee per hectare 8 at \$228 each .....	1 824.00
Fisheries Research and Development Corporation per hectare 8 at \$364 each.....	2 912.00
<b>Total Annual Licence Fee .....</b>	<b>6 440.00</b>
Quarterly Instalments.....	1 610.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00002  
(PREVIOUS LICENCE NO. F600)

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Fishing Enterprises Pty Ltd (13227)  
Tuna Growers Pty Ltd (13231)  
P.O. Box 1073  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. *Marking and Maintaining the Site*

The licensee:

7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;

7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;

7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and

7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. *Site Inspection and Supervision*

The licensee:

8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and

8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. *Fees and Returns*

The licensee:

9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;

9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a

certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. *Guarantee or Indemnity Scheme*

The licensee must either:

11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or

11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. *Variation and Cancellation*

13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;

13.1.2 the results of any other monitoring as may from time to time be carried out; or

13.1.3 such other relevant information within the knowledge of the Minister.

13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or

13.2.2 cancel this licence for failure to comply with such requirements for rectification.

13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;

13.3.2 an order is made for the winding up or liquidation of the licensee;

13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;

13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or

13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
583950E 6158186N	20
584092E 6157815N	
583621E 6157649N	
583476E 6158024N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 10

*Stocking Rates*

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 162 tonnes in total during the term of the licence.

SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee</b> .....	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.

3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00003  
(PREVIOUS LICENCE NO. F601)*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Rocky Island Industries Pty Ltd (13980)  
Southern Bluefin Farmers Pty Ltd (13628)  
62 Lincoln Highway  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.

- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;

13.1.2 the results of any other monitoring as may from time to time be carried out; or

13.1.3 such other relevant information within the knowledge of the Minister.

13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or

13.2.2 cancel this licence for failure to comply with such requirements for rectification.

13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;

13.3.2 an order is made for the winding up or liquidation of the licensee;

13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;

13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or

13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

#### SCHEDULE 1

##### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
586597E 6154606N	20
586400E 6154264N	
585971E 6154499N	
586170E 6154841N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

##### Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.



## SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 10

*Stocking Rates*

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 162 tonnes in total during the term of the licence.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee .....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

Approximate layout of all structures on the site including location, number and size;

Stocking density of the permitted species held on the site;

Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00004  
(PREVIOUS LICENCE NO. F603)

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Southern Bluefin Tuna Farmers Pty Ltd (13046)  
Tuna Farmers Pty Ltd (13074)  
P.O. Box 2013  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.

4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;

4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;

9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or

13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

#### SCHEDULE 1

##### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
584541E 6156850N	20
584684E 6156480N	
584219E 6156303N	
584077E 6156673N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

##### Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

#### SCHEDULE 2

##### Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

##### Permitted Farming Methods

Sea Cages 10

##### Stocking Rates

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 162 tonnes in total during the term of the licence.

#### SCHEDULE 3

##### Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

##### Item 2—Insurance

Five million dollars (\$5 000 000).

##### Item 3—Guarantee

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 12 October 2000, on page number 2427, being the first notice on that page, through to page number 2430 and referring to Navajo Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

## FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00005  
(PREVIOUS LICENCE NO. F607)

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Navajo Pty Ltd (13006)  
2/11 Flinders Highway  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.

1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and

2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:

4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;

4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;

4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;

4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;

4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.

4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;

4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

##### 7. *Marking and Maintaining the Site*

The licensee:

7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;

7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;

7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and

7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

##### 8. *Site Inspection and Supervision*

The licensee:

8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and

8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

##### 9. *Fees and Returns*

The licensee:

9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;

9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

##### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

13. *Variation and Cancellation*

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.

- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
587797E 6155738N	20
587445E 6155547N	
587697E 6155116N	
588045E 6155308N	

*All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.*

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Snapper (*Pagrus auratus*)  
 Southern Bluefin Tuna (*Thunnus maccoyii*)  
 Australian Herring (Tommy Ruff) (*Arripis georgianus*)  
 Yellowtail King Fish (*Seriola lalandi*)  
 Silver Trevally (*Pseudocaranx dentex*)

*Permitted Farming Methods*

Sea Cages 12

*Stocking Rates*

The maximum weight of fish introduced into the site must not exceed 162 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) held on the site must not exceed 4 kg/m<sup>3</sup> or the maximum stocking rate of other finfish held on the site must not exceed 10 kg/m<sup>3</sup>.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 8 December 2000, on page number 3500, being the second notice on that page, through to page number 3503 and referring to AKJA Pty Ltd, Australian Bluefin Pty Ltd, Emily Krstina (Australia) Pty Ltd and Kinkawooka Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

## FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00006  
(PREVIOUS LICENCE NO. F605)

*Licence to Farm Fish under section 53 of the Fisheries  
Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

AJKA Pty Ltd (1673)  
Australian Bluefin Pty Ltd (1720)  
Emily Krstina (Australia) Pty Ltd (13053)  
Kinkawooka Pty Ltd (13225)  
P.O. Box 462  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;

4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.



## 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

## 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

## 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

## 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

## 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

- 13.3.5 a mortgagee, chargee or other encumbrance is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.

- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

## Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
583256E 6161976N	20
583173E 6161587N	
582678E 6161676N	
582761E 6162067N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

## Item 2—Marked-off Areas

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

## Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

## Permitted Farming Methods

Sea Cages 10

## Stocking Rates

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of Southern Bluefish Tuna (*Thunnus maccoyii*) must not exceed 162 tonnes in total during the term of the licence.

## SCHEDULE 3

## Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 8 December 2000, on page number 3503, being the second notice on that page, through to page number 3505 and referring to Australian Bluefin Pty Ltd, Australian Tuna Fisheries Pty Ltd, Blaslov Fishing Pty Ltd, Emily Krstina (Australia) Pty Ltd and Sarunic and Sons Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

## FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00007  
(PREVIOUS LICENCE NO. F606)

*Licence to Farm Fish under section 53 of the Fisheries  
Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Bluefin Pty Ltd (1720)  
Australian Tuna Fisheries Pty Ltd (13912)  
Blaslov Fishing Pty Ltd (14231)  
Emily Krstina (Australia) Pty Ltd (13053)  
Sarunic & Sons Pty Ltd (14034)  
P.O. Box 792  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;

4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;

9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

#### SCHEDULE 1

##### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
585888E 6156478N	20
585752E 6156106N	
585306E 6156277N	
585440E 6156648N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

##### Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

#### SCHEDULE 2

##### Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

##### Permitted Farming Methods

Sea Cages 10

##### Stocking Rates

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 162 tonnes in total during the term of the Licence.

#### SCHEDULE 3

##### Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

##### Item 2—Insurance

Five million dollars (\$5 000 000).

##### Item 3—Guarantee

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00008

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Fishing Enterprises Pty Ltd (13227)  
Billy Lights Point  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

## 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

## I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

## Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
588016E 6162075N	30
588676E 6161977N	
588610E 6161532N	
587950E 6161630N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

## Item 2—Marked-off Areas

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

## Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

## Permitted Farming Methods

Sea Cages 14

## Stocking Rates

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

## SCHEDULE 3

## Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee.....</b>	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

## Item 2—Insurance

Five million dollars (\$5 000 000).

## Item 3—Guarantee

Ten thousand dollars (\$10 000).

## SCHEDULE 4

## Returns

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.

16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

FISHERIES ACT 1982

MARINE TUNA FARMING LICENCE FB00009

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Fishing Enterprises Pty Ltd (13227)  
Billy Lights Point  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;



- 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. Sea Cages

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
586561E 6160681N	30
587137E 6161016N	
587363E 6160627N	
586786E 6160292N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 14

*Stocking Rates*

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee</b> .....	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

#### *Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

#### *Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00010

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Emily Krstina (Australia) Pty Ltd (13053)  
P.O. Box 792  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. *Variation and Cancellation*

13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.

13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.

13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

## Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
589078E 6160618N	30
589634E 6160846N	
589824E 6160383N	
589269E 6160155N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

## Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

## Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

## Permitted Farming Methods

Sea Cages 14

## Stocking Rates

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

## SCHEDULE 3

## Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee</b> .....	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

## Item 2—Insurance

Five million dollars (\$5 000 000).

## Item 3—Guarantee

Ten thousand dollars (\$10 000).

## SCHEDULE 4

## Returns

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.

7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

## Environmental Monitoring Program

The monitoring program should address the following matters in relation to the permitted use:

## Farm Management

Approximate layout of all structures on the site including location, number and size;

Stocking density of the permitted species held on the site;

Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

## Benthic Sediments

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

## Draft Environmental Monitoring Program

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

## Sediment Cores

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

## Video Transects

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

#### Report

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 12 October 2000, on page number 2430, being the second notice on that page, through to page number 2433 and referring to AJKA Pty Ltd and Marnikol Fisheries Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00011

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

AJKA Pty Ltd (1673)  
Marnikol Fisheries Pty Ltd (13228)  
P.O. Box 10  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

### 5. Sea Cages

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

### 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

#### SCHEDULE 1

#### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
587548E 6159578N	30
588196E 6159954N	
588397E 6159608N	
587748E 6159232N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 14

*Stocking Rates*

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee</b> .....	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.

15. Signature, date and telephone number.

16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

Approximate layout of all structures on the site including location, number and size;

Stocking density of the permitted species held on the site;

Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.



The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00012

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Bluefin Pty Ltd (1720)  
Stehr, M. A. (13911)  
17 Freezer Road  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;

4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;

4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.

4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;

4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

##### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

##### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

## 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

## 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

## 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

## 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

## 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

- 13.3.5 a mortgagee, chargee or other encumbrance is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.

- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

## Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
587284E 6158017N	30
587664E 6158142N	
587898E 6157430N	
587518E 6157305N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

## Item 2—Marked-off Areas

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

## Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

## Permitted Farming Methods

Sea Cages 14

## Stocking Rates

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

## SCHEDULE 3

## Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee</b> .....	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

## Item 2—Insurance

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 26 October 2000, on page number 2789, being the fourth notice on that page, through to page number 2792 and referring to Di Fishing Co. Pty Ltd and MG Kalis Tuna Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00013

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Di Fishing Co. Pty Ltd (13643)  
MG Kailis Tuna (13229)  
P.O. Box 1491  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.

1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:

- 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
- 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
- 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
- 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
- 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

##### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

##### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

##### 9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

##### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

##### 11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.

13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.

13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

### SCHEDULE 1

#### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
589843E 6159284N	30
590213E 6159436N	
590498E 6158742N	
590128E 6158590N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

#### Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

### SCHEDULE 2

#### Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

#### Permitted Farming Methods

Sea Cages 14

#### Stocking Rates

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

### SCHEDULE 3

#### Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee.....</b>	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

#### Item 2—Insurance

Five million dollars (\$5 000 000).

#### Item 3—Guarantee

Ten thousand dollars (\$10 000).

### SCHEDULE 4

#### Returns

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.

6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

#### SCHEDULE 5

##### *Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

##### *Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

##### *Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

#### METHODOLOGY

##### *Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

##### *Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

##### *Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

##### *Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

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#### FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 8 December 2000, on page number 3510, being the second notice on that page, through to page number 3513 and referring to Australian Bluefin Pty Ltd is hereby revoked.

Dated 28 January 2001.

I, NIGHTINGALE, General Manager Aquaculture as the delegate of the Minister for Primary Industries

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#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00014

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Bluefin Pty Ltd (1720)  
17 Freezer Road  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

SCHEDULE 1

Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
588575E 6158555N	30
588991E 6158726N	
589245E 6158109N	
588829E 6157938N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

Item 2—Marked-off Areas

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

SCHEDULE 2

Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

Permitted Farming Methods

Sea Cages 14

Stocking Rates

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

SCHEDULE 3

Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee</b> .....	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

Item 2—Insurance

Five million dollars (\$5 000 000).

Item 3—Guarantee

Ten thousand dollars (\$10 000).

SCHEDULE 4

Returns

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.



15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 19 October 2000, on page number 2691, being the fifth notice on that page, through to page number 2694 and referring to Emily Krstina (Australia) Pty Ltd, Kinkawooka Pty Ltd, and Sea Marine Holdings Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00015

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Emily Krstina (Australia) Pty Ltd (13053)  
Kinkawooka Pty Ltd (13225)  
Sea Marine Holdings Pty Ltd (13230)  
P.O. Box 1829  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

#### 4. Permitted Methods

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
- 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. Sea Cages

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and

7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
585749E 6162066N	30
586179E 6162321N	
586485E 6161805N	
586055E 6161550N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 14

*Stocking Rates*

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee.....</b>	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00016

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Sekol Farmed Tuna (14032)  
Unit 5, 5 North Quay Boulevard  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. *Guarantee or Indemnity Scheme*

The licensee must either:

11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or

11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. *Variation and Cancellation*

13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;

13.1.2 the results of any other monitoring as may from time to time be carried out; or

13.1.3 such other relevant information within the knowledge of the Minister.

13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or

13.2.2 cancel this licence for failure to comply with such requirements for rectification.

13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;

13.3.2 an order is made for the winding up or liquidation of the licensee;

13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;

13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or

13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
591724E 6170923N	20
591728E 6171422N	
591328E 6171426N	
591323E 6170927N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 7

*Stocking Rates*

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of all fish introduced to the site must not exceed 300 tonnes in total during the term of the licence.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee</b> .....	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.

6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

Approximate layout of all structures on the site including location, number and size;

Stocking density of the permitted species held on the site;

Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

#### Report

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00017

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Tuna Fisheries Pty Ltd (13912)  
Blaslov Tuna Farm Pty Ltd (14035)  
Sarunic & Sons Pty Ltd (14034)  
1 North Quay Boulevard  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or

13.1.3 such other relevant information within the knowledge of the Minister.

13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or

13.2.2 cancel this licence for failure to comply with such requirements for rectification.

13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;

13.3.2 an order is made for the winding up or liquidation of the licensee;

13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;

13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or

13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

#### SCHEDULE 1

##### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
594576E 6170835N	20
594580E 6171334N	
594180E 6171338N	
594175E 6170839N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

##### Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

#### SCHEDULE 2

##### Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)



*Permitted Farming Methods*

Sea Cages 7

*Stocking Rates*

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

The maximum weight of all fish introduced to the site must not exceed 300 tonnes in total during the term of the licence.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee</b> .....	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

Approximate layout of all structures on the site including location, number and size;

Stocking density of the permitted species held on the site;

Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 19 October 2000, on page number 2695, being the first notice on that page, through to page number 2698 and referring to Australian Tuna Fisheries Pty Ltd and Blaslov Tuna Farm Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00018

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Tuna Fisheries Pty Ltd (13912)  
Blaslov Tuna Farm Pty Ltd (14035)  
P.O. Box 6  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;

4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;

4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.

4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;

4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

##### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

##### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

## 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

## 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

## 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

## 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

## 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

- 13.3.5 a mortgagee, chargee or other encumbrance is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.

- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

## Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
595221E 6173129N	20
595225E 6173628N	
594825E 6173632N	
594820E 6173133N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

## Item 2—Marked-off Areas

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

## Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

## Permitted Farming Methods

Sea Cages 7

## Stocking Rates

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of all fish introduced into the site must not exceed 300 tonnes in total during the term of the licence.

## SCHEDULE 3

## Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee</b> .....	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

## Item 2—Insurance

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 3 November 2000, on page number 2945, being the second notice on that page, through to page number 2949 and referring to AJKA Pty Ltd and Marnikol Fisheries Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00019

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

AJKA Pty Ltd (1673)  
Marnikol Fisheries Pty Ltd (13228)  
7 Riversdale Avenue  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.

1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:

- 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
- 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
- 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
- 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
- 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

##### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

##### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

##### 9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

##### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

##### 11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.

13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.

13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

### SCHEDULE 1

#### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
591746E 6173100N	20
591750E 6173599N	
591350E 6173603N	
591345E 6173104N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

#### Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

### SCHEDULE 2

#### Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

#### Permitted Farming Methods

Sea Cages 7

#### Stocking Rates

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of all fish introduced to the site must not exceed 300 tonnes in total during the term of the licence.

### SCHEDULE 3

#### Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

#### Item 2—Insurance

Five million dollars (\$5 000 000).

#### Item 3—Guarantee

Ten thousand dollars (\$10 000).

### SCHEDULE 4

#### Returns

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.

6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

#### SCHEDULE 5

##### *Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

##### *Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

##### *Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

#### METHODOLOGY

##### *Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

##### *Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

##### *Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The

underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

##### *Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 19 October 2000, on page number 2698, being the second notice on that page, through to page number 2701 and referring to Sea Marine Holdings Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00025

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Sea Marine Holdings Pty Ltd (13230)  
P.O. Box 1829  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.

- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

## 2. Permitted Species

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

## 3. Permitted Use

The licensee must not use the site for any purpose other than the permitted use.

## 4. Permitted Methods

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
- 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
- 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
- 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
- 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
- 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

## 5. Sea Cages

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

## 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

## 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

## 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

## 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

## 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

## 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

## 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

## 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:



- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

SCHEDULE 1

Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
591724E 6168710N	20
591727E 6169208N	
591327E 6169212N	
591323E 6168713N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

Item 2—Marked-off Areas

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

SCHEDULE 2

Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

Permitted Farming Methods

Sea Cages 7

Stocking Rates

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

The maximum weight of all fish introduced into the site must not exceed 300 tonnes in total during the term of the licence.

SCHEDULE 3

Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

Item 2—Insurance

Five million dollars (\$5 000 000).

Item 3—Guarantee

Ten thousand dollars (\$10 000).

SCHEDULE 4

Returns

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00026

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Fishing Enterprises Pty Ltd (13227)  
Billy Lights Point  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.

- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. Sea Cages

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;

- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.

- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.

- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or

13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

#### SCHEDULE 1

##### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
590238E 6162678N	30
590898E 6162580N	
590832E 6162135N	
590172E 6162233N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

##### Item 2—Marked-off Areas

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

#### SCHEDULE 2

##### Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

##### Permitted Farming Methods

Sea Cages 14

##### Stocking Rates

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

#### SCHEDULE 3

##### Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each .....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each .....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee .....</b>	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

##### Item 2—Insurance

Five million dollars (\$5 000 000).

##### Item 3—Guarantee

Ten thousand dollars (\$10 000).

#### SCHEDULE 4

##### Returns

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

#### SCHEDULE 5

##### Environmental Monitoring Program

The monitoring program should address the following matters in relation to the permitted use:

##### Farm Management

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

##### Benthic Sediments

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

##### METHODOLOGY

##### Draft Environmental Monitoring Program

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

##### Sediment Cores

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

#### *Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

#### *Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00027

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

S. & Z. Lukin Pty Ltd (19697)  
62 Lincoln Highway  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

#### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

#### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

#### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

#### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

#### 9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

#### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

#### 11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

#### 12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

#### 13. *Variation and Cancellation*

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
- 13.1.2 the results of any other monitoring as may from time to time be carried out; or
- 13.1.3 such other relevant information within the knowledge of the Minister.

- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.

- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:

- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.

- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
591247E 6159551N	30
591617E 6159703N	
591902E 6159009N	
591532E 6158857N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 14

*Stocking Rates*

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each .....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each .....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee .....</b>	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.

5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

Approximate layout of all structures on the site including location, number and size;

Stocking density of the permitted species held on the site;

Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982: SECTION 53

TAKE note that the licence to farm fish made under section 53 of the Fisheries Act 1982 and published in the *South Australian Government Gazette*, dated 8 December 2000, on page number 3513, being the second notice on that page, through to page number 3516 and referring to Australian Bluefin Pty Ltd is hereby revoked.

Dated 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture  
as the delegate of the Minister for Primary  
Industries

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00028

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Bluefin Pty Ltd (1720)  
17 Freezer Road  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

## CONDITIONS OF THIS LICENCE

1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
  - 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
  - 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
  - 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
  - 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
  - 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.



### 5. Sea Cages

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

### 6. Location of Sea Cages

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

### 7. Marking and Maintaining the Site

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

### 8. Site Inspection and Supervision

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

### 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

### 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

### 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

### 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

### 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

#### SCHEDULE 1

#### Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
591856E 6161449N	30
592046E 6160986N	
591491E 6160758N	
591300E 6161221N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 14

*Stocking Rates*

The maximum weight of fish introduced into the site must not exceed 400 tonnes in total during the term of the licence.

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>2</sup>.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 30 at \$49 each.....	1 470.00
TEMP Environmental Monitoring Fee per hectare 30 at \$164 each.....	4 920.00
Base Licence Fee per hectare 30 at \$228 each.....	6 840.00
Fisheries Research and Development Corporation per hectare 30 at \$364 each.....	10 920.00
<b>Total Annual Licence Fee .....</b>	<b>24 150.00</b>
Quarterly Instalments.....	6 037.50

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.

15. Signature, date and telephone number.

16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

Approximate layout of all structures on the site including location, number and size;

Stocking density of the permitted species held on the site;

Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00029

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Tuna Farmers Pty Ltd (13074)  
Proper Bay Road  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
  - 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
  - 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
  - 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
  - 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;

4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.

4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;

4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.

4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;

4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

##### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

##### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

## 9. Fees and Returns

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

## 10. Public Risk Insurance

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

## 11. Guarantee or Indemnity Scheme

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

## 12. No Assignment

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

## 13. Variation and Cancellation

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or

13.3.5 a mortgagee, chargee or other encumbrance is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.

13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:

- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.

13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

## Item 1—The Site

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
588980E 6166762N	20
589426E 6166763N	
589426E 6166316N	
588980E 6166315N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

## Item 2—Marked-off Areas

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

## Permitted Species

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

## Permitted Farming Methods

Sea Cages 7

## Stocking Rates

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of all fish introduced to the site must not exceed 300 tonnes in total during the term of the licence.

## SCHEDULE 3

## Item 1—Fees

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

## Item 2—Insurance

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.
5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

## SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

*Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

## METHODOLOGY

*Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

*Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 m mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

*Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

*Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

## SCHEDULE 6

*Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

## FISHERIES ACT 1982

## MARINE TUNA FARMING LICENCE FB00030

*Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Australian Tuna Fisheries Pty Ltd (13912)  
1 North Quay Boulevard  
Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.

1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and
- 2.2 must not take any wild fish from the site except for recreational purposes.

##### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

##### 4. *Permitted Methods*

4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:

- 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
- 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
- 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
- 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
- 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.

4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.

4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

##### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

##### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

##### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;
- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;
- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and
- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

##### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and
- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

##### 9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;
- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

##### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or
- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

13. *Variation and Cancellation*

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:
  - 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;
  - 13.1.2 the results of any other monitoring as may from time to time be carried out; or
  - 13.1.3 such other relevant information within the knowledge of the Minister.
- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:
  - 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
  - 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
  - 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
  - 13.3.2 an order is made for the winding up or liquidation of the licensee;
  - 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
  - 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
  - 13.3.5 a mortgagee, chargee or other encumbrancee is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
  - 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
  - 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

## SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
594120E 6168717N	20
594124E 6169215N	
593724E 6169220N	
593719E 6168721N	

All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less than 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

## SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 7

*Stocking Rates*

The maximum stocking density of Southern Bluefin Tuna (*Thunnus maccoyii*) must not exceed 4 kg/m<sup>3</sup>.

The maximum weight of all fish introduced to the site must not exceed 300 tonnes in total during the term of the licence.

## SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee</b> .....	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

## SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

1. Name of licensee.
2. Address of licensee.
3. Species of fish farmed and held on the site.
4. Location of aquaculture operation.

5. Period covered by return.
6. Number of life stage of each species of fish held.
7. Number, weight and value of each species of fish held.
8. Details of any disease detected in any fish kept.
9. Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
10. If any fish were brought into the State, the number of fish and the life stage of the fish.
11. If fish were brought into the State, the purpose for which they were brought in.
12. Method of disposal of water and packaging use for transporting the fish.
13. If any disease or symptom of disease occurred in the acquired fish.
14. Method of disposal of diseased or dead fish and the number disposed of.
15. Signature, date and telephone number.
16. Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

#### SCHEDULE 5

##### *Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

##### *Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and
- Occurrence of disease incidents in the permitted species on the site.

##### *Benthic Sediments*

- Redox potential;
- Benthic fauna and flora;
- Infauna communities including composition and abundance;
- Benthic macro-flora communities including composition and abundance; and
- Benthic macro-fauna communities including composition and abundance.

#### METHODOLOGY

##### *Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

##### *Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

##### *Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

##### *Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.

#### FISHERIES ACT 1982

##### MARINE TUNA FARMING LICENCE FB00032

##### *Licence to Farm Fish under section 53 of the Fisheries Act 1982*

THE Minister for Primary Industries and Resources ('the Minister') hereby grants to:

Alastair R. Smart (13200)  
 Philippa A. Mawby (19674)  
 29 Hall Street  
 Port Lincoln, S.A. 5606

a licence to occupy and use the waters and airspace over the land specified in Item 1 of Schedule 1 of this licence ('the site') for the purpose of farming and taking the permitted species ('the permitted use') for the period commencing on 28 January 2001 and ending, subject to any earlier termination under this licence, on 30 June 2001 ('the term') subject to the following terms and conditions:

#### CONDITIONS OF THIS LICENCE

##### 1. *Marked-off Areas*

- 1.1 Subject to section 53A of the Fisheries Act 1982, this licence does not entitle the licensee to exclusive rights of entry to and occupation of the site. The rights granted by this licence are exercisable by the licensee in common with any other occupiers of the site from time to time.
- 1.2 For the purposes of section 53A of the Fisheries Act 1982, the marked-off areas within the site are that area or those areas marked-off or indicated in the manner set out in Item 2 of Schedule 1 of this licence.

##### 2. *Permitted Species*

The licensee:

- 2.1 must not farm or introduce any species at the site other than the permitted species referred to in Schedule 2; and



- 2.2 must not take any wild fish from the site except for recreational purposes.

### 3. *Permitted Use*

The licensee must not use the site for any purpose other than the permitted use.

### 4. *Permitted Methods*

- 4.1 The licensee must, in undertaking the permitted use, take all reasonable and practicable measures to prevent or minimise damage to the environment. Without limiting the generality of the foregoing, the licensee:
- 4.1.1 must not stock the permitted species at a rate greater than that specified in Schedule 2 of this licence;
- 4.1.2 must not use the anti-fouling chemical tributyltin (TBT) on any equipment used at the site;
- 4.1.3 must not use any chemical or drug for either therapeutic or prophylactic purpose except with the prior approval of the Minister;
- 4.1.4 must apply the permitted farming methods set out in Schedule 2 of this licence;
- 4.1.5 must undertake an environmental monitoring program approved by the Minister and as specified in Clause 4.2.
- 4.1.6 must not introduce the permitted species to the site before the approval of the environmental monitoring program referred to in 4.1.5 by the Minister;
- 4.1.7 must comply with the schedule of reporting for the environmental monitoring program as prescribed in Schedule 6 and submit the final results of the environmental monitoring program to the Minister 30 days before expiry of the term of this licence.
- 4.1.8 must implement a management strategy approved by the Minister and as specified in Clause 4.3 to manage interactions with seabirds and marine mammals;
- 4.1.9 must not introduce the permitted species to the site before approval of the management strategy specified in 4.1.8 by the Minister.
- 4.2 The licensee must submit a draft environmental monitoring program to the Minister for approval within 60 days of the grant of the licence by the Minister. The draft environmental monitoring program must include the qualifications and experience of the person(s) designing and undertaking the program and address the matters listed in Schedule 5.
- 4.3 The licensee must submit a draft strategy for managing interactions with sea birds and marine mammals to the Minister within 60 days of the grant of the licence by the Minister. The draft strategy must identify potential interactions with and risks to sea birds and marine mammals and the measures proposed to minimise interactions with and risks to seabirds and marine mammals.

### 5. *Sea Cages*

The licensee must immediately inform an officer of PIRSA (Fisheries) on 1800 065 522 or such other officer as the Minister from time to time notifies to the licensee in writing if any marine animal, other than the permitted species, is caught in any sea cage or other farm structure used by the licensee on the site.

### 6. *Location of Sea Cages*

The licensee must not erect or use any sea cages in any location on the site where stocked sea cages have been used in the immediately preceding two year period.

### 7. *Marking and Maintaining the Site*

The licensee:

- 7.1 must ensure that the site is maintained in a good, tidy and safe condition to the satisfaction of the Minister;

- 7.2 must remove and lawfully dispose of any waste or debris on the site as soon as is reasonably practicable and in particular must comply with any guidelines issued from time to time by the Minister in relation to the removal from the site of any unhealthy or dead fish;

- 7.3 must maintain all buoys, crosses, and markers on the site in good condition and in accordance with the colours specified in Schedule 1 of this licence; and

- 7.4 must mark the site boundary in accordance with the requirements of the Minister for Transport.

### 8. *Site Inspection and Supervision*

The licensee:

- 8.1 must at all times permit the Minister, his employees, agents or contractors or any employees, agents or contractors of the Crown to enter the site for the purposes of inspecting the site, the sea floor and the flora and fauna on or in the vicinity of the site; and

- 8.2 must comply with all reasonable directions of any such person authorised by the Director of Fisheries to inspect the conduct of the licensee's activities at the site.

### 9. *Fees and Returns*

The licensee:

- 9.1 must pay to the Minister the licence fee in accordance with Item 1 of Schedule 3 of this licence;

- 9.2 must on or before 31 January and 31 July during the term, submit to the Minister a return supplying all of the information described in Schedule 4 of this licence.

### 10. *Public Risk Insurance*

The licensee must at its own cost during the term maintain in full force and effect in respect of the site and the permitted use a policy of public risk insurance in the joint names of the licensee and the Minister. The limits of public risk must not be less than the amount specified in Item 2 of Schedule 3 of this licence, or such other amount as the Minister may from time to time reasonably require. A policy of insurance or copy thereof or a certificate of insurance must be produced by the licensee to the Minister on written request.

### 11. *Guarantee or Indemnity Scheme*

The licensee must either:

- 11.1 provide a guarantee from its bankers to the amount specified in Item 3 of Schedule 3; or

- 11.2 contribute to an indemnity scheme established for the aquaculture and fisheries industry and approved by the Minister,

to and in favour of and for the benefit of the Minister by way of security for the due and punctual performance by the licensee of the terms and conditions of this licence and in particular the obligations of the licensee to rehabilitate the site immediately prior to the expiration or sooner determination of the term of this licence. Such guarantee or indemnity scheme must have effect from the date of commencement of the term.

### 12. *No Assignment*

The licensee must not assign or sublet or deal in any other way with any interest in this licence.

### 13. *Variation and Cancellation*

- 13.1 The Minister may without prior notice vary or cancel this licence immediately during the term for the purposes of preventing or minimising any damage or threat of damage to the environment. For the purpose of this condition the Minister may have regard to but is not limited by the following considerations:

- 13.1.1 the results of monitoring undertaken pursuant to Clause 4.1.5;

- 13.1.2 the results of any other monitoring as may from time to time be carried out; or

- 13.1.3 such other relevant information within the knowledge of the Minister.

- 13.2 Subject to and without limiting Condition 13.1, in the event of breach by the licensee of any term or condition of this licence, the Minister may:

- 13.2.1 give to the licensee written notice of such breach and the Minister's requirements for rectification thereof; or
- 13.2.2 cancel this licence for failure to comply with such requirements for rectification.
- 13.3 The Minister may cancel this licence if the licensee is a body corporate, and any of the following occur:
- 13.3.1 the licensee is unable to pay its debts as and when they fall due or is otherwise insolvent;
- 13.3.2 an order is made for the winding up or liquidation of the licensee;
- 13.3.3 the licensee enters into a scheme of arrangement, compromise, moratorium or other form of composition with its creditors or any class of its creditors;
- 13.3.4 a receiver, a manager or a receiver and manager, a company administrator or other insolvency administrator is appointed to the licensee; or
- 13.3.5 a mortgagee, chargee or other encumbrance is appointed over or takes possession of or appoints an agent to take possession of all or any of the licensee's assets.
- 13.4 The Minister may cancel this licence if the licensee is an individual, and the licensee:
- 13.4.1 becomes bankrupt or assigns its estate or enters into a deed of arrangement or other form of composition for the benefit of the licensee's creditors; or
- 13.4.2 is convicted of an indictable offence.
- 13.5 Cancellation of this licence by the Minister shall be without prejudice to any rights, remedies or actions that the Minister may have against the licensee in respect of any antecedent breach by the licensee of the terms and conditions contained in this licence.

Granted by the General Manager Aquaculture, delegate for the purposes of section 53 of the Minister responsible for administration of the Fisheries Act 1982, on 28 January 2001.

I. NIGHTINGALE, General Manager Aquaculture

SCHEDULE 1

*Item 1—The Site*

Area applicable to this licence:

Licensed Area	Licensed Hectares
AGD 66—Zone 53	
586650E 6162105N	20
586935E 6161613N	
587242E 6161781N	
586958E 6162274N	

*All sea cages on the site must be marked with a unique sea cage number and the site's unique 'FB number'; that is, the licence number. All St Andrew's crosses must be marked with the site's unique 'FB number'; that is the licence number.*

*Item 2—Marked-off Areas*

Marked-off areas must be marked with no less the 8 equally spaced white buoys, each of at least 12 inches in diameter, each positioned no more than 70 m from each relevant sea cage situated on the site.

SCHEDULE 2

*Permitted Species*

The Director of Fisheries has, pursuant to section 50 (2) of the Act, issued a permit for the release of the fish specified in this Schedule.

Southern Bluefin Tuna (*Thunnus maccoyii*)

*Permitted Farming Methods*

Sea Cages 4

*Stocking Rates*

The maximum stocking density of fish introduced into the site must not exceed 4 kg/m<sup>3</sup>.

No more than 4 sea cages each with a maximum diameter of 40 m may be used at any one time.

SCHEDULE 3

*Item 1—Fees*

Annual licence fees are:

	\$
ESD Study (Seafood Council) per hectare 20 at \$49 each.....	980.00
TEMP Environmental Monitoring Fee per hectare 20 at \$164 each.....	3 280.00
Base Licence Fee per hectare 20 at \$228 each.....	4 560.00
Fisheries Research and Development Corporation per hectare 20 at \$364 each.....	7 280.00
<b>Total Annual Licence Fee.....</b>	<b>16 100.00</b>
Quarterly Instalments.....	4 025.00

*Item 2—Insurance*

Five million dollars (\$5 000 000).

*Item 3—Guarantee*

Ten thousand dollars (\$10 000).

SCHEDULE 4

*Returns*

The licensee must submit the following information to the Minister, c/o General Manager Aquaculture SA, 14th Floor, 25 Grenfell Street, G.P.O. Box 1625, Adelaide, S.A. 5000 on or before 31 January and 31 July during the term of this licence:

- Name of licensee.
- Address of licensee.
- Species of fish farmed and held on the site.
- Location of aquaculture operation.
- Period covered by return.
- Number of life stage of each species of fish held.
- Number, weight and value of each species of fish held.
- Details of any disease detected in any fish kept.
- Source (whether interstate or intrastate) of any stock acquired and date of acquisition (if relevant, include name of authority that provided certification that stock was free from disease).
- If any fish were brought into the State, the number of fish and the life stage of the fish.
- If fish were brought into the State, the purpose for which they were brought in.
- Method of disposal of water and packaging use for transporting the fish.
- If any disease or symptom of disease occurred in the acquired fish.
- Method of disposal of diseased or dead fish and the number disposed of.
- Signature, date and telephone number.
- Use of any chemicals for fish husbandry—type of chemical and quantity used, purpose and date of use.

SCHEDULE 5

*Environmental Monitoring Program*

The monitoring program should address the following matters in relation to the permitted use:

*Farm Management*

- Approximate layout of all structures on the site including location, number and size;
- Stocking density of the permitted species held on the site;
- Dates and numbers of the permitted species stocked and harvesting on the site; and

Occurrence of disease incidents in the permitted species on the site.

#### *Benthic Sediments*

Redox potential;

Benthic fauna and flora;

Infauna communities including composition and abundance;

Benthic macro-flora communities including composition and abundance; and

Benthic macro-fauna communities including composition and abundance.

#### METHODOLOGY

##### *Draft Environmental Monitoring Program*

The draft environmental monitoring program needs to detail the site layout and sampling sites, including control sites.

##### *Sediment Cores*

Sediment cores should be used to assess the infauna composition and abundance of the sediments. Sediment cores should be 50 mm wide and inserted into the sediments to 150 mm. Samples need to be rinsed through a 1 000 µm mesh. Collection of the cores should be visible on the videos when possible.

Infauna samples must be preserved in Bennett's solution and stained with Thyloxin-B initially. After sorting the samples should be labelled inside and outside the containers with details of the date of collection, site location, collection method, and the collector's and identifier's name. The samples must be preserved in 70% alcohol and kept in storage for two years to allow for auditing or further analysis if required.

##### *Video Transects*

Video transects should be used to assess the broad scale changes in sediment consistency, presence of farming waste and the composition and abundance of macro-fauna and flora communities.

Video transects must be collected using equipment capable of producing a clear and well lit image in Hi-8 format for computerised image analysis using a Sony Hi-8 digital camera or equivalent capable of operating at a minimum of 3 lux. The underwater housing must be fitted with a minimum of two 50W lights. Transects must be at least 150 m long and a transect line marked at 5 m intervals must be visible at all times. The date and 'live' time should also be visible. The location and unique number of each transect must be clearly marked on a map that includes details of the site layout. The diver should gently disturb the sediment by hand at the start, middle and end of each transect to reveal the colour of the sediments below the surface.

##### *Report*

The environmental monitoring report must contain a synthesis of the data, statistical analysis and interpretation of the results. All raw data and video footage must also be presented to Aquaculture SA in electronic format and hard copy.

The environmental monitoring report must be legible and contain a declaration regarding the authenticity and source of all data and results contained in the report. This declaration must be signed by the licence holder and the person(s) conducting the monitoring program.

The report must include an assessment of the results of the monitoring program against the provisions of the Environment Protection (Marine) Policy 1994, and must be accompanied by all raw data, video footage and diver notes.

#### SCHEDULE 6

##### *Schedule of Environmental Monitoring Reports*

The licence holder will report to Aquaculture SA within 60 days of receiving the licence with details of the monitoring program as per Section 4.2. This will contain details of the proposed site layout and location of sampling sites (including control sites) and dates.

A final report must be presented to the General Manager, Aquaculture SA, G.P.O. Box 1625, Adelaide, S.A. 5000 by 1 October 2001. This will be reviewed and additional monitoring and reporting may be required after this date.