

Case No:	<input type="text" value="2021-0151"/>	Date of visit:	<input type="text" value="20/05/2021"/>			
Time spent on site:	<input type="text" value="3.5 hrs"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS0091"/>	Site Name:	<input type="text" value="Meall Mhor Loch Fyne"/>			
Business No:	<input type="text" value="FB0169"/>	Business Name:	<input type="text" value="The Scottish Salmon Company"/>			
Case Types:	1 <input type="text" value="REP"/>	2 <input type="text" value="SLA"/>	3 <input type="text" value=""/>	4 <input type="text" value=""/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="9.7"/>	Thermometer No:	<input type="text" value="T148"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	ST	Water type:	S	CoGP MA:	M-42
Dead/weak/abnormally behaving fish present?	<input type="text" value="Y"/>	If yes, see additional information/clinical score sheet.				
Clinical signs of disease observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Gross pathology observed?	<input type="text" value="N"/>	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	<input type="text" value="N"/>					
UNI/REG only - if unable to carry out intended visit detail reason below:						
<input type="text" value=""/>						

Additional Case Information:

Paperwork completed by [REDACTED] remotely 19/5/2021, physical site inspection by [REDACTED], shadowed by [REDACTED] on 20/05/2021

All treatments 2021: 14 & 21 January (wk. 2 & 3) 2021 Hydrolicer treatment; 05 May & 12 May (wk. 18 & 19) 2021. 5 cages treated on the 5th May with the remaining 2 treated on 12th May. (2 additional pens treated that were scheduled to be harvested but weren't so were treated, half of one of the cages was harvested)

From 6-19 March 2021, 2020 S1's from Lamlash FS0243 (Arran) were moved onto the site. Risk assessment for the transfer inspected (dated 4/3/2021). At the same time a few cages of 2019 S0's were left when the 2020 S1's were moved on site. 2019 S0's were harvested out by 13 May 2021. 2020 S1's were SLICE treated at Lamlash prior to being moved to Meall Mhor.

2021 wk. 16 (19 - 25 April) lice count: 4 AF with eggs strings and 5 AF without egg strings = 9 Total AF (10 fish per cage and 9 cages counted = 90 fish) 0.1AF average for site

Site use a box net to select a random selection of fish for lice count.

Sea lice: From 09 March 2020 until current figures have been below CoGP for average AF until 2021 wk13 1.09 average AF. Down to 0.0 AF following week - harvests took place of the 2019S1 which predominantly had lice on them, the 2020 S1's from Lamlash had a SLICE treatment before they came and had 0 lice.

Planned treatment next week: hydrolicer

During physical inspection, sea lice count was observed. Numbers counted on the day of inspection consistent with the numbers that had been reported prior to inspection. Waterproof notepad used for count on site has pre-printed table format for recording pen no., fish no and each stage of lice. This data is then immediately transferred to IT system used by company with notepad then wiped clean to be re-used. IT system immediately returned an average count of each stage equal to total number counted/number of fish.

Weather conditions on day of inspection were rough so bulk of stock remained deep in the pen and were not coming to surface when feed was presented. This resulted in the fish removed to carry out count mainly consisting of poor doers. The physical condition of the fish appeared good with only a few fish showing signs of minor physical damage.

Case No: **2021-0151** Site No: **FS0091**
 Date of Visit: **20/05/2021** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

1. Business/site details summary checked by site representative? **Y**
 2. Changes made to details? **N**

Site Details (include cleaner fish for all sections)

Total No facilities	12	Facilities stocked	7	No facilities inspected	7
Species	SAL				
Age group	2020 S1				
No Fish	73,974				
Mean Fish Wt	6.4kg				
Next Fallow Date (Site)	June 2021	Next Input Date (Site)	September 2021		
Recent (last 4 wks) disease problems?	N		Any escapes (since last visit)?	N	
If yes, detail:	[REDACTED]				

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **10/03/2020**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 6. Are health certificates for introductions (outwith GB) available? **N/A**

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)? **[REDACTED]**
 If yes, is there a system in place for maintenance of transportation records? **[REDACTED]**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Whole fish - Dundas Chemicals**
 If other detail: **[REDACTED]**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **2021 wk 16: 0.27%, 290 morts; wk 17 276 morts , 0.26%; wk18 1,231 morts,**
 5. Evidence of recent increased/atypical mortalities? **Y**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
2021 wk18 cages 1, 3, 9, 10 and 12 elevated due to treatment, wk 19 cages 1, 3, 5 and 12 elevated due to treatments
 6. Any other peaks in mortality during period checked? **Y**
2020 wk 35: 1.23%, 5,015 morts; 2020 wk 36: 2.32%, 7,296 morts; 2020 wk 37: 2.09%, 6,409 morts; 2020 wk 41: 1.36%, 4,038 morts; 2020 wk 42: 1.36%, 3,996 morts; 2021 wk 11 1.16%, 1445 morts
 If yes, detail: **[REDACTED]**
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action: **[REDACTED]**
 8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet. **Y**

Treatments and Medicines Records

1. Recent treatments (see comment)? Y
 If yes, detail:
- If other, detail:
2. Medicines records available for inspection? Y
3. Are records complete and correctly entered? Y
4. Are fish in a withdrawal period? Y
5. If yes, what treatment(s)?
- If other, detail:
6. Are medicines stored appropriately? Y

Biosecurity Records

1. Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?
8. Have the biosecurity procedures been adequately implemented on site?
- If no, detail:

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?
2. If yes, are results available for inspection?
3. Any significant results?
- If yes, detail (if not detailed under recent disease problems).

Records checked between:

Case No: 2021-0151 Site No: FS0091

Date of visit: 20/05/2021 Inspector(s):

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
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ENHANCED SEA LICE INSPECTION CHECKLIST

a. Inspection of sea lice records				
1.1 Are sea lice count records available for inspection?	Medium	Y	CoGP 1.2.1, 1.2.2, Annex 6 SSI 1,2,	no counts missed, counts generally done on a Monday
1.2 Do records adequately reflect the required standard specified in the SSI ¹ and the CoGP ² ? (Counts should be weekly, record the person making the count, date of the count, number of fish sampled (should be 25), pen or facility number recorded, water temperature ³ , number of parasites observed and correct stages recorded ⁴)	Low & Medium	Y		
1.3 Where weekly counts are not conducted is the reason for not conducting the count stated?	Low	N/A	SSI 1,2(g)	
1.4 Is that reason considered acceptable by the Inspector? Give detail.	Low	N/A		
1.5 Has the site experienced sea lice problems in the previous 4 years?		Y	Detail if necessary:	
b. Inspection of records relating to treatment and control of sea lice				
2.1 Has appropriate action been taken where: a) <i>L. salmonis</i> record levels have been above the suggested criteria for treatment?	High	Y	CoGP Annex 6	From 09 March 2020 until current: below CoGP for AF average until 2021 wk13 1.09 AF (down to 0.0 AF following week - harvests took place of the 2019 S1 which predominantly had lice on them, the 2020 S1's from Lamlash had a SLICE treatment before they came and had 0 lice)
b) <i>C. elongatus</i> infestation is at a level considered to cause significant welfare problems	High	N/A	CoGP 4.3.81, 5.3.50	
2.2 Is therapeutic treatment initiated ASAP where required?	Medium	Y	CoGP 4.3.130, 5.3.84	
2.3 Where medicines have been administered there should be a record of: the name / identity of the product	High	Y	VMD ¹² 19 SSI 1,3	Last SLICE treatment 18-24 May 2020, since then just mechanical treatments.
the date of administration	High	Y		
the quantity (concentration and amount) administered	High	Y		
the method of administration of the product	High	Y		
the identification of the fish / facilities treated	High	Y		
name of the person administering the treatment	Low	Y		
the withdrawal period	Medium	Y		

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
2.4 If the medicine is administered by a veterinary surgeon: the name of the veterinary surgeon name of the product batch number the date of administration amount administered identification of fish treated withdrawal period	High	N/A	VMD 18	No treatments required due to counts being below CoGP, see above. Harvest reduced numbers for the following week the one time it was above CoGP.
2.5 Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?	High	N/A		
Inspect records to confirm. Significant impact - ≥50% reduction in site average <i>L. salmonis</i> numbers (all stages)	High	N/A		
2.6 If other methods are employed on site to control sea lice and their impact is there a record of: the nature and date of the method employed; the identification number of all facilities subjected to the method; the name of the person employing the method	Low	Y	SSI, 1,4	
2.7 Where medicines have been acquired is there a record of: proof of purchase of the medicine concerned name of the product batch number the date of purchase the quantity purchased the name and address of the supplier	Medium	Y	VMD 19 VMD 17	
2.8 Where medicines have been disposed is there a record of: the date of disposal the quantity of product involved how and where it was disposed of	High	Y		
	High	Y		
	Medium	Y		
	High	Y		
	Medium	Y		
2.9 Are veterinary health plans available which detail bio-security protocols, preventative measures and treatments in relation to sea lice? Consider the following points over a percentage of treatments conducted on site	Medium	Y	VMD 19	Only required amount is delivered.
2.10 Has the recommended course of treatments been completed?	Medium	N/A	VMD 19	
2.11 If not, is there a recorded acceptable reason for not completing treatment?	Medium	N/A	CoGP 4.3.129, 5.3.83	
2.12 Was advice taken from the Veterinary surgeon in such circumstances?	Medium	N/A	CoGP 4.3.134, 5.3.88	
	Medium	N/A	CoGP 4.3.135, 5.3.89	
	Medium	N/A	CoGP 4.3.135, 5.3.89	

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
2.13 Are there clear written instructions regarding medicine use, available to those responsible for treatment administration?	Medium	Y	CoGP 4.3.133, 5.3.87	
2.14 Does the site have treatment discharge consents relevant to sea lice?		Y	Detail if necessary:	Consent for: SLICE, Alphamax, Salmosan
c. Inspection of records relating to farm management groups and farm management agreements or statements				
3.1 Is there a nominated farmer acting as coordinator and point of contact for this farm or area inclusive of this farm?	Low	Y	SSI 1,5,b CoGP 4.3.75, 5.3.44	TSSC only company operating in the area.
3.2 Is there a written undertaking that the farm will observe the provisions of the NTS ⁶ ?	Low	Y	CoGP 4.3.76, 5.3.45	
3.3 Has an area group been formed within the area containing the site?	Medium	N/A	CoGP 4.3.77, 5.3.46	
3.4 Does the remit of the area group have appropriate veterinary involvement? Consider: -agreed basis for monitoring sea lice -coordinated monitoring and treatment -co-operation between participating farms This may require follow up investigation conducted off site to determine	Medium	N/A	CoGP 4.3.77, 5.3.46 SSI 1,5, c	
3.5 Are records available of any decisions made by the FMG in relation to the prevention, control and reduction of parasites?	Low	N/A	SSI 1, 5, c	
3.6 Where treatments have been administered is this done in accordance with principles to maximise the effectiveness of treatments, promote the minimal use of medicines consistent with the maintenance of high standards of fish welfare and help preserve their efficacy? For example, the principles of ISLM include: Resistance monitoring – reporting suspected adverse drug event (SADE) to the VMD. The steps to determine if resistance is considered a reason for a suspected lack of efficacy (e.g. Bio-assay tests and results, seeking veterinary advice) Appropriate discharge consent in place Use of authorized medicines with veterinary instruction and advice as necessary Monitoring lice numbers Using an array of treatments where possible Treating all stocks on site at the same time Avoiding the simultaneous use of different active ingredients Avoiding consecutive treatments of the same active ingredient, and certainly not on the same cohort of lice	Medium	Y	4.3.82, 5.3.51	
				This is all done internally by the same company vet responsible for all sites. 2019 S0's have had 4 SLICE treatments in total. Nov 2019, Dec 2019, March 2020, May 2020 no other medicinal treatments administered to the 2019 S0's. SLICE treatments are synchronised in the CoGP area.

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
Routine removal of moribund fish and regular removal of mortalities.				
3.7 Are weekly monitoring results communicated to other farmers within the defined area?	High	N/A	CoGP 4.3.78, 5.3.47	All company internal, as the only company operating in the area.
3.8 Is this done 'as soon as reasonably possible where lice numbers exceed the suggested criteria for treatment?	High	N/A	CoGP 4.3.79, 5.3.48	
3.9 Is sea lice data and other information relevant to the management of sea lice provided to the SSPO?	Low	Y	CoGP 4.3.80, 5.3.49	
3.10 Are annual review meetings held by FMA groups to evaluate site performance against set criteria?	High	N/A	CoGP 4.3.83, 5.3.52	
3.11 Is there a signed documented farm management agreement or farm management statement relevant to the site and CoGP Farm Management Area (or equivalent)?		Y	AFSA ¹³ 4A	5 sites currently fallow in Loch Fyne and 5 farms remain stocked all will be harvest out in the next 5-6 weeks (End of June 2021). Risk assessment for fish transfer available and reviewed, 2020 S1 are being harvested in line with the 2019 S0's that were originally on site. Only largest fish were transferred from Lamlash.
3.12 Are up to date copies of FMS available from other APB operating within the same FMA?	Medium	N/A	Detail if necessary: CoGP 4.3.88, 5.3.57	
3.13 Are significant changes to FMS notified to other companies within the FMA?	Medium	N/A	CoGP 4.3.89, 5.3.58	
3.14 Is there co-operation between APB's operating within the FMA in the development and implementation of FMAg?	Medium	N/A	CoGP 4.3.90, 5.3.59	
3.15 Are copies of FMS or FMAg available for inspection?	Medium	Y	AFSA 4B	
3.16 Does the FMS or FMAg take into account the relevant aspects regarding a sea lice control strategy?	Medium	Y	CoGP 4.3.91, 5.3.60	
3.17 If the FMA has been redefined, is there documented evidence to demonstrate that the risks to health within and outwith the area is not increased by the proposal?	High ¹⁰	N/A	CoGP 4.3.92, 5.3.61	
3.18 Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single year class basis?	High	Y	CoGP 4.3.100	
3.19 If answered no to 3.18, then is there a documented risk assessment which meets the requirements of CoGP point 4.3.101?	High	Y	CoGP 4.3.101	
d. Inspection of records relating to training and procedures				
4.1 Is there a training programme or plan in place relevant to sea lice control for the site?	High	Y	CoGP 7.1.8	Company internal course, everyone who does lice counts has done the training. One new member of staff has not completed it but will in due course. One member of staff for boat handling who wouldn't normally do lice checks but will complete course.
4.2 Are training records available for relevant staff in relation to:			CoGP 4.1.6, 5.1.6 SSI, 1,1	
parasite identification	High	Y	CoGP 4.3.84-86,	
counting parasites (procedures for)	High	Y	5.3.53-55	
recording counts	High	Y		

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
<p>biology and life cycle of parasites</p> <p>symptoms of parasite infection in fish</p> <p>4.3 Have staff been trained in the administration of treatments?</p> <p>N.B. there is no legal requirement to maintain a record of this</p> <p>Where records exist regarding SOPs and site procedures these should be inspected to confirm suitability</p>	<p>Low</p> <p>Low</p> <p>High</p>	<p>Y</p> <p>Y</p> <p>Y</p>	<p>CoGP 4.1.6, 5.1.6</p> <p>CoGP 4.3.84, 5.3.53</p>	<p>Core of experienced staff will do bath treatments and less experienced staff will be inducted and taught by experienced staff during treatments. No bath treatments this cycle.</p>
e. Inspection of site and site stock				
<p>5.1 Are medicines used, stored and disposed of safely?</p> <p>5.2 Do the sea lice levels observed on stocks reflect sea lice count data?</p> <p>Refer to section e) of guidance notes</p> <p>5.3 Does the site appear satisfactory in terms of fish welfare relating to sea lice infestation?</p>	<p>Medium</p> <p>High</p> <p>High</p>	<p>N/A</p> <p>Y</p> <p>Y</p>	<p>VMD schedule 5</p>	<p>No medicinal treatments used during current cycle.</p>
f. Inspection of farm count procedures				
<p>6.1 Are pens and fish sampled at random?</p> <p>6.2 Have the personnel conducting counts had appropriate training in lice recognition and recording?</p> <p>(Cross reference to training records – Section d)</p> <p>6.3 Can such personnel demonstrate post training competence?</p> <p>6.4 Do the sample sizes and methods of sampling match the CoGP suggested protocol (detailed iii – vii)?</p> <p>N.B. Other strategies are acceptable if considered adequate in the control and reduction of sea lice</p> <p>6.5 Is identification and recording of sea lice count information including species and stages observed to be correct?</p> <p>Minimum recording requirements within the CoGP and NTS are: for Caligus elongatus all identifiable stages and for Lepeophtheirus salmonis chalimus, mobiles and adult females (with or without egg strings)¹¹</p> <p>6.6 Is the transfer of data from field counts to records observed to be satisfactory?</p>	<p>Low</p> <p>High</p> <p>High</p> <p>Medium</p> <p>High</p> <p>Medium</p>	<p>Y</p> <p>Y</p> <p>Y</p> <p>Y</p> <p>Y</p> <p>Y</p>	<p>CoGP Annex 6, 4.3.84-86, 5.3.53-55</p> <p>CoGP 4.3.85, 5.3.54</p> <p>Annex 6</p> <p>Annex 6</p>	<p>10 random fish selected from each stocked pen.</p>
g. Inspection of treatment administration procedures				
<p>7.1 Are treatments considered to be administered in an appropriate competent manner?</p> <p>Consider appropriate use of tarpaulins; completion of medication per prescription, correct concentrations, mixing and administrations, appropriate product used</p>	<p>High</p>	<p>N/A</p>		

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
7.2 Is accurate information provided to the attending veterinary surgeon for dosage calculation?	High	N/A	CoGP 4.3.131, 5.3.85	
7.3 Are the fish under consideration being given any other medication, or are they in a withdrawal period for any other medication?		N/A		
7.4 If so, has the prescribing veterinary surgeon been informed of this?	Medium	N/A	CoGP 4.3.132, 5.3.86	
7.5 Are clear instructions for medication, dosage and administration communicated to the staff responsible for treatment?	High	N/A	CoGP 4.3.133, 5.3.87	

Additional actions	Powers	Comments and advice given or action taken if necessary
h. FHI sea lice counts If necessary conduct a sea lice count in accordance with the protocol of the CoGP. Indicate where this procedure has been done and make a record of results within the comments box	Power granted under the Act – section 3 (2) (a)	
i. Collection of samples If necessary collect samples. Indicate if samples have been taken and detail what those samples are and the purpose of their collection	Power granted under the Act – section 3 (3) (a)	
j. Enforcement Notice. If an enforcement notice has been issued then maintain a copy / duplicate and record detail Guidance on completing the Enforcement Notice	Power granted under the Act – Section 6 (2)	

[1] Scottish Statutory Instrument – The Fish Farming Businesses (Record Keeping) (Scotland) Order 2008

[2] A Code of Good Practice for Scottish Finfish Aquaculture

[3] Water temperature to be measured at the half way point of the depth of the facility containing the fish, or as close to as possible. For SW cage sites one reading per count may be s

[4] Recording requirements:- for C. elongatus – all identifiable stages and for L. salmonis - mobiles and adult females (with or without egg strings)

[5] Area refers to management area as specified within Part 3 of the industry CoGP or as redefined appropriately

[6] For reference Annex 6 of the CoGP provides the detail of the NTS

[7] FMA = Farm Management Area

[8] FMS = Farm Management Statement

[9] FMAg = Farm Management Agreement

[10] No further action may be required when answering no to this point and yes to 3.18

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
[11] Legal recording requirements within the SSI stipulate – for <i>Caligus elongatus</i> : mobiles; and for <i>Lepeophtheirus salmonis</i> : non-gravid mobiles and gravid females.				
[12] VMD - The Veterinary Medicines Regulations 2013 (SI 2013 No 2033)				
[13] AFSA - Aquaculture and Fisheries (Scotland) Act 2007 (as amended)				

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0169	DATE OF VISIT	20/05/2021
SITE No	FS0091	SITE NAME	Meall Mhor Loch Fyne
CASE No	20210151	INSPECTOR	[REDACTED]

ENHANCED SEA LICE INSPECTION

An enhanced sea lice inspection to ascertain the levels of sea lice and for assessing the measures in place for the prevention, control and reduction of sea lice was conducted in accordance with the Aquaculture and Fisheries (Scotland) Act 2007.

The visit consisted of an inspection of records with regards to sea lice, site procedures with regards to sea lice and the provision of advice.

a) Inspection of sea lice records

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

b) Inspection of records relating to treatment and control of sea lice

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

c) Inspection of records relating to farm management groups and area management agreements.

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

d) Inspection of records relating to training and procedures

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

e) Inspection of site and site stock

The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

f) Inspection of farm count procedures

An inspection of site staff conducting and recording a sea lice count was carried out. This met the requirements of The Fish Farming Business (Record Keeping) (Scotland) Order 2008 and CoGP. No further recommendations or further action required.

g) Inspection of treatment administration procedures

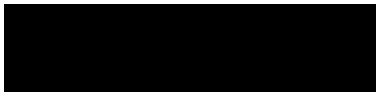
Procedures were not inspected as a treatment was not taking place at the time of inspection. However, discussions on procedures with the company correspondent would suggest that the site meets the requirement of current Scottish industry best practice.

Further Action

The site meets the requirement of current Scottish industry best practice. No further recommendations are made, or further action required.

Please contact myself or the duty inspector should you require any further information or have any queries regarding this report.

Signed:



Fish Health Inspector

Date: 03/06/2021

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter