

Case No: 2020-0481 Date of visit: 12/11/2020

Time spent on site: 4h Main Inspector: [Redacted]

Site No: FS1310 Site Name: Loch Pooltiel

Business No: FB0134 Business Name: Kames Fish Farming Ltd

Case Types: 1 ECI 2 CNI 3 SLI 4 VMD 5 [] 6 []

Water Temp (°C): 11.5 Thermometer No: T173 FHI 045 completed []

Observations: Region: HI Water type: S CoGP MA: M-25

Dead/weak/abnormally behaving fish present? n If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? n If yes, see additional information/clinical score sheet.
Gross pathology observed? n If yes, see additional information/clinical score sheet.
Diagnostic samples taken? n

UNI/REG only - if unable to carry out intended visit detail reason below:
[Redacted]

Additional Case Information:

Paperwork completed on 9/11/2020 remotely, site inspection completed 12/11/2020

Failed fish syndrome' reported to be an issue, this is being managed by grading, functional feeds and pre transfer health checks in the hatchery. Some gill health issues were observed earlier in the cycle, qPCR gill swabs confirmed gill amoeba.

Fish in good condition, shoaling well and feeding well.

No clinical signs of disease or gross pathology observed in the fish sampled for VMD.

Records of dead haul harvests were maintained in the movement book until April 2020, after this they are recorded in a harvest book, this was available for inspection.

Looking to get a barge for the next cycle.

The future of the other three sites (owned by Grieg) in the management area has been in doubt for some time, this has hampered efforts to co-ordinate treatments and fallow in the area. It is hoped that production synchronisation will be able to occur once the future of the management area is decided.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="6"/>	Facilities stocked	<input type="text" value="1"/>	No facilities inspected	<input type="text" value="6"/>
Species	<input type="text" value="RTR Q3"/>				
Age group	<input type="text" value="2019"/>				
No Fish	<input type="text" value="23,992"/>				
Mean Fish Wt	<input type="text" value="3.9kg"/>				
Next Fallow Date (Site)	<input type="text" value="January 2021"/>	Next Input Date (Site)	<input type="text" value="April 2021"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

4. Are movement records available for dead fish and waste?

5. Are records complete and correctly entered?

6. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

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

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	<input type="checkbox"/>	Y
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 <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>	Y
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.)?	<input type="checkbox"/>	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>	Y
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>	Y
If no, detail:		

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	Y
If yes, detail (if not detailed under recent disease problems).	AGD	

Records checked between:	15/10/2019 to 12/11/2020
--------------------------	--------------------------

Case no: Site No: Date of visit/
Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No													
Fish nos	1												
Pool Group													
Species	RTR												
Average weight	4kg												
Sex	N/A												
Water Type	SW												
Stock Details		Selcoth											
	Stock Origin												
Facility No	3												

Additional Sample Information:

Total Tests assigned

Case Number:	2020-0481	Site No:	FS1310	Insp:		
Date of Visit	12/11/2020	No of movements/supp./dest.			Score	
Live fish movements		0	1-5	6-10	>10	
Movements on (from out with GB) of susceptible species	Frequency of movements on from equivalent MS	0	5	10	14	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	0
	Number of destinations	0	3	6	10	0
Exposure via water	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species susceptible to same diseases)	Farm is protected (secure water supply through disinfection or borehole)	0				
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		2
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		
Management practices		None	Secure	Unsecure		
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				
	Processing own fish (re-cycling risk)	1				1
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				
	Common processes with other farms	3				3
	Collection point for waste from other farms	5				
Use of unpasteurised feeds	No feeding of unpasteurised feed	0				0
	Feeding unpasteurised feed	5				
Biosecurity	Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating from single shorebase	0	1	2		0
	Sites sharing staff and equipment	0	1	2		
Disinfection of equipment between sites, use of footbaths etc	Yes	0				0
	No	1				
CoGP/Regulator						
Practices in accordance with regulator or industry code of practice	Yes	0				0
	No	3				
Platform access to cages	Yes	0				0
	No	2				
Total Rank					6	LOW

Case No: **2020-0481**

Site No: **FS1310**

Sea Lice Inspection (Seawater Sites Only)

1. Has the site experienced sea lice problems in the previous 4 years?
2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, etc) and if so, have these be deployed in a reasonable period of time?
4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm M...
5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Anne...
7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period...
8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above (prior to w/b 10/...
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5...
10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded...
11. Has any other action been taken (where applicable)?
12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
13. Are treatments, where conducted, carried out in cooperation between participating farms?
14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment?
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with rec...
16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons.

Containment Inspection

1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)
- | | | | |
|----------|----------------|-----|-------------------|
| top nets | tensioned nets | ADD | False bottom nets |
|----------|----------------|-----|-------------------|
- If other, detail below:
3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
 - If Yes proceed with questions 4 – 9. If No skip to question 10
 4. Have these been reported to Scottish Ministers?
 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5...
 7. Were methods (if any) used to recover escapees? If yes give detail
 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottis...
 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

	<input type="checkbox"/> N
	<input type="checkbox"/> N
azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can	<input type="checkbox"/> Y
management Area (or equivalent)?	<input type="checkbox"/> Y
	<input type="checkbox"/> Y
x 6)	<input type="checkbox"/> Y
that records are inspected? (CoGP Annex 6)	<input type="checkbox"/> Y
/6/19) or 2 or above (from w/b 10/6/19) during the period that records are inspected?	<input type="checkbox"/> N
	<input type="checkbox"/> N/A
5.3.50)	<input type="checkbox"/> N
the suggested criteria for treatment or where <i>C. elongatus</i> is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)	<input type="checkbox"/> N/A
	<input type="checkbox"/> N/A
	<input type="checkbox"/> Y
nt for sea lice?	<input type="checkbox"/> N/A
	<input type="checkbox"/> N
cognised scenarios during the escalation of a sea lice infestation?	<input type="checkbox"/> N
	<input type="checkbox"/> Y
	<input type="checkbox"/> N
	<input type="checkbox"/> Y
	<input type="checkbox"/> N
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
.4.17)	<input type="checkbox"/>
	<input type="checkbox"/>
sh Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/> Y
	<input type="checkbox"/>
	<input type="checkbox"/>

Case No: 2020-0481

Site No: FS1310

Date of Visit: 12/11/2020

Inspector: [REDACTED]

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?



Site No: FS1310

Case No: 2020-0481

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



Case No:	2020-0481	Date of visit:	12/11/2020
Site No:	FS1310	Inspector:	

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI,CNI,SLI,VMD	25/11/2020		
case completeion	20/01/2020		

[REDACTED]
Kames Fish Farming Ltd
Kilmelford
Oban
Argyll
PA34 4XA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0134	DATE OF VISIT	12/11/2020
SITE No	FS1310	SITE NAME	Loch Pooltiel
INSPECTOR	[REDACTED]	CASE No	20200481

Case completion report

Recommendations in relation to the above case were made for implementation by 16/1/2021. Following submission of the required documentation, evidence has now been provided to Marine Scotland to demonstrate that the recommendations have been implemented.

This case will now be closed. This site may be subject to further audit and recommendations in the future.

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

Signed:

[REDACTED]

Date: 20/01/2021

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <https://www.gov.scot/publications/fish-health-inspectorate-service-charter/>

[REDACTED]
Kames Fish Farming Ltd
Kilmelford
Oban
Argyll
PA34 4XA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0134	DATE OF VISIT	12/11/2020
SITE No	FS1310	SITE NAME	Loch Pooltiel
INSPECTOR	[REDACTED]	CASE No	20200481

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The surveillance frequency category of the site was assessed as low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every third year. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to containment.

Recommendations were issued in relation to sea lice management and records:

- **The Code of Good Practice (CoGP) farm Management Area (M-25) is not followed synchronously on a single year class basis, to meet the requirements of the CoGP chapter 4, 3.101 the following should be provided;**
 - **A documented risk assessment, which considers the risks to the company's own operations and to the operations of other companies operating within the FMA and in any adjacent FMA, should be undertaken and management systems adopted that maintain risks at a satisfactorily low level;**
 - **This risk assessment should include detailed information on strategies to be followed for pathogen and parasite control in the absence of following;**
- **The site did not have a harvesting strategy where fewer populations or part populations are held without treatment for sea lice;**
- **There was no site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation.**

The farm management statement was inspected and found to be inadequately maintained. Please see the attached annex detailing the points that must be addressed.

Please ensure that these points have been addressed by **16/1/2021** Records or documentation demonstrating that these points have been addressed should be sent to the Fish Health Inspectorate (contact details below). The site may be subject to further inspection or enforcement action should the appropriate action regarding the above points not be taken within the time period stipulated.

R25

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed:



Fish Health Inspector

Date: 8/12/2020

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <https://www.gov.scot/publications/fish-health-inspectorate-service-charter/>

Annex - The Aquaculture and Fisheries (Scotland) Act 2007

Section 4A of the Aquaculture and Fisheries (Scotland) Act 2007, as amended, introduces the requirement for a person carrying out the business of fish farming within a farm management area⁽¹⁾ to;

(a) be party to a farm management agreement, or prepare and maintain a farm management statement, in relation to the fish farm, and

(b) ensure that the fish farm is managed and operated in accordance with the agreement or statement.

To ensure compliance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, the following points must be addressed in the farm management agreement/statement

The statement or agreement must include arrangements for;

- **The management of parasites⁽²⁾**
This must include arrangements for the synchronisation of treatments.
- **Fallowing of the farms after harvesting**
This must identify whether broodstock or potential broodstock are to be kept on the site.

⁽¹⁾ Farm management area means an area specified as such in the Code of Good Practice for Scottish Finfish Aquaculture

⁽²⁾ Parasites as defined in The Aquaculture and Fisheries (Scotland) Act 2007 which means *Caligus elongatus* and *Lepeophtheirus salmonis*

Case No: 2020-0482 Date of visit: 11/11/2020

Time spent on site: 3h Main Inspector: [Redacted]

Site No: FS0234 Site Name: Torridon
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 REP 2 DIA 3 VMD 4 [] 5 [] 6 []

Water Temp (°C): 8.5 Thermometer No: T173 FHI 045 completed []

Observations: Region: HI Water type: S CoGP MA: M-17

Dead/weak/abnormally behaving fish present? [Y] If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? [Y] If yes, see additional information/clinical score sheet.
Gross pathology observed? [Y] If yes, see additional information/clinical score sheet.
Diagnostic samples taken? [Y]

UNI/REG only - if unable to carry out intended visit detail reason below:
[Redacted]

Additional Case Information:

Elevated mortalities due to gill issues currently an issue. Mortalities related to gill issues began during week 35 with a marked increase in week 39.

Salmon mortalities week 39 4689 (0.54%), week 40 7448 (0.86%), week 41 14571 (1.69%), wk 42 5691 (0.84%), wk 43 32494 (4.86%), wk 44 (2.02%) 11109, wk 45 10074 (2.08%)

Additional mortality peak recorded in week 26 6906 (0.82%) and week 27 4287 (0.49%) attributed to post treatment losses, this also affected cleaner fish mortalities with 9947 and 5389 recorded.

Cleaner fish mortalities have been elevated also with 2324 recorded for the last four week in the wrasse being attributed to atypical furunculosis, lumpfish mortalities have been 5938 due to pseudomonas and handling.

Sea lice numbers have been above the CoGP recommended threshold for treatment since week 39 with a breach of the reporting threshold in week 45 (4.72) and week 42 (4.93)

Gill anaemia a significant problem. At the time of inspection two boats were conducting freshwater treatments. A number of lethargic fish were observed in the pens however these difficult to catch with a hand net but five fish were removed for further examination and diagnostic sampling.

Extremely poor weather condition made stock inspection difficult.

Due to ongoing issues on site a meeting with the manager could not be arranged as he just too busy therefore some records could not be inspected and some details not clarified. Sea lice and mortality data was provided prior to the inspection as well as stock details for the salmon however some information was not available.

Results of animal health surveillance discussed on site with company biologist.

Case No: Site No:

Date of Visit: Inspector(s):

Registration/Authorisation Details

1. Business/site details summary checked by site representative?

2. Changes made to details?

Site Details (include cleaner fish for all sections)

Total No facilities	<input type="text" value="10"/>	Facilities stocked	<input type="text" value="10"/>	No facilities inspected	<input type="text" value="8"/>
Species	<input type="text" value="sal"/>	LUM	<input type="text" value="WRS"/>		
Age group	<input type="text" value="2019 Q4"/>	<input type="text" value="adult"/>	<input type="text" value="adult"/>		
No Fish	<input type="text" value="460,000"/>	<input type="text" value="49,151"/>	<input type="text" value="45,448"/>		
Mean Fish Wt	<input type="text" value="3.45kg"/>	<input type="text" value="mix"/>	<input type="text" value="mix"/>		
Next Fallow Date (Site)	<input type="text" value="Not Provided"/>		Next Input Date (Site)	<input type="text" value="Not provided"/>	
Recent (last 4 wks) disease problems?			Y	Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value="gill issues"/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

4. Are movement records available for dead fish and waste?

5. Are records complete and correctly entered?

6. Are health certificates for introductions (outwith GB) available?

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)?

If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked?

If yes, detail:

7. Have increased (unexplained) mortalities been reported to vet or FHI?

If yes, detail action:

8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (see comment)?	<input type="checkbox"/>	Y
If yes, detail:	H2O2, Salmosan TMS	
If other, detail:	Freshwater Hydrolicer	
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	Y
5. If yes, what treatment(s)?	TMS	
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	<input type="checkbox"/>
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 <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>
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.)?	<input type="checkbox"/>
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>
If no, detail:	

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	N/A
3. Any significant results?	<input type="checkbox"/>	N/A
If yes, detail (if not detailed under recent disease problems).		

Records checked between:	26/2/2020 (mortality/sea lice only)
--------------------------	-------------------------------------

Case no: Site No: Date of visit/
Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	F1	F2	F3	F4	F5	P1							
Fish nos	1	2	3	4	5	1-5	6	7					
Pool Group	P1	P1	P1	P1	P1								
Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL					
Average weight	4kg	4kg	4kg	4kg	4kg	4kg	4kg	4kg					
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
Water Type	SW	SW	SW	SW	SW	SW	SW	SW					
Stock Details		Glenfinnan	Glenfinnan	Loch Garry	Glenfinnan	Glenfinnan		Glenfinnan	Glenfinnan				
	Stock Origin												
Facility No	2	2	3	7	2		6	2					

11/2020 Additional Sample Information:
Additional pooled kidney sample taken into a dry tube.

Total Tests assigned

Case no: **2020-0482**

Site No: **FS0234**

Method of killing: **Percussive**

Date of visit: **11/11/2020**

Inspector(s): **[REDACTED]**

Sheet Relevant: **Y**

S for strong presence: M for medium presence: W for weak presence

Fish Number	1	2	3	4	5				
Time sampled after death (if > 45 minutes)	1.5h	1.5h	1.5h	1.5h	1.5h				
External Signs									
Behaviour				S					
Moribund									
Lethargic	S	S	S		S				
Hanging vertical									
Spiralling									
Flashing									
Loss of equilibrium									
Body									
Dark									
Distended abdomen									
Anorexic									
Scale Oedema									
Opercula									
Shortened									
Flared									
Haemorrhaging									
Throat									
Ventrum									
Base of fins									
Elsewhere									
Eyes									
Exophthalmic									
Enophthalmic (sunken)									
Cataract									
Haemorrhagic									
Gills									
Pale	S	S	S	S	S				
Zoned	w	w	w	w	w				
Necrotic	m	w	W	M	M				
Lesions									
Flank									
Elsewhere									
Vent									
Inflamed									
Trailing faeces									
Lice Load									
Estimate numbers									
Internal Signs									
Ascites									
Clear									
Bloody									
Oedema									
In tissues									
Heart									
Pale/anaemic	w	w	w	m	w				
Granulomas		M		M					
Deformed									
Liver									
Petechial haem									
Gross haem									
Tissue breakdown									
Enlarged									
Colour number(s)									
Granulomas									
Lesions									
Pyloric caeca									
Petechial haem									
Tubules mauve									
Lack of fat									
Spleen									
Enlarged									
Granulomas				w					
Gut									
No food present									
Yellow pseudo-faeces									
External haem									
Internal haem									
Body wall									
Haemorrhaging									
Swim bladder									
Fluid filled									
Kidney									
Swollen									
Grey	w	w	w	w	w				
Granular	w	w	w	w	w				
Liquefied									
General									
Parasites present									
Anaemia									

Case no: 2020-0482

Date of visit: 11/11/2020

S for strong presence: **M** for medium presence: **W** for weak presence

Fish Number											
Time sampled after death (if > 45 minutes)											
External Signs											
Behaviour	Moribund										
	Lethargic										
	Hanging vertical										
	Spiralling										
	Flashing										
	Loss of equilibrium										
Body	Dark										
	Distended abdomen										
	Anorexic										
	Scale Oedema										
Opercula	Shortened										
	Flared										
Haemorrhaging	Throat										
	Ventrum										
	Base of fins										
	Elsewhere										
Eyes	Exophthalmic										
	Enophthalmic (sunken)										
	Cataract										
	Haemorrhagic										
Gills	Pale										
	Zoned										
	Necrotic										
Lesions	Flank										
	Elsewhere										
Vent	Inflamed										
	Trailing faeces										
Lice Load	Estimate numbers										
Internal Signs											
Ascites	Clear										
	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic										
	Granulomas										
	Deformed										
Liver	Petechial haem										
	Gross haem										
	Tissue breakdown										
	Enlarged										
	Colour number(s)										
	Granulomas										
	Lesions										
Pyloric caeca	Petechial haem										
	Tubules mauve										
	Lack of fat										
Spleen	Enlarged										
	Granulomas										
Gut	No food present										
	Yellow pseudo-faeces										
	External haem										
	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
	Fluid filled										
Kidney	Swollen										
	Grey										
	Granular										
	Liquefied										
General	Parasites present										
	Anaemia										

Additional comments:

Fish were not sampled until after one hour due to boat logistics and poor weather conditions

Site No: FS0234
Case No: 2020-0482
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



Case No: **2020-0482** Date of visit: **11/11/2020**
 Site No: **FS0234** Inspector: **[REDACTED]**

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
AGD (Neoparamoeba perurans) (PCR)	3/5	19/11/2020		19/11/2020		17/12/2020		
IHN (PCR) - IHNP	0/1	19/11/2020		19/11/2020		17/12/2020		
IPN (PCR) - IPNM	0/1	19/11/2020		19/11/2020		17/12/2020		
ISA (real time qPCR - heart & kidney) - ISAQ	0/1	19/11/2020		19/11/2020		17/12/2020		
Paranucleospora theridion (PCR) - PNST	5/5	19/11/2020		19/11/2020		17/12/2020		
Salmon gill poxvirus (PCR) - SPVP	5/5	19/11/2020		19/11/2020		17/12/2020		
Salmonid alphavirus (SAV) (PCR) - SALP	0/1	19/11/2020		19/11/2020		17/12/2020		
VHS (PCR) - VHSP	0/1	19/11/2020		19/11/2020		17/12/2020		
Complex gill issues (histology) - CGDH	5/5	26/11/2020		26/11/2020		17/12/2020		
Epitheliocystis - EPIT	5/5	26/11/2020		26/11/2020		17/12/2020		
Heart pathology - HPA	5/5	26/11/2020		26/11/2020		17/12/2020		
Liver pathology - LPATT	5/5	26/11/2020		26/11/2020		17/12/2020		
Spleen pathology - SPAT	5/5	26/11/2020		26/11/2020		17/12/2020		
Bacteria NSIG	1/5	03/12/2020				17/12/2020		

Report Summary			
Case Type	Date	Insp	2 nd Insp
REP, VMD	25/11/2020		
DIA	17/12/2020		

[REDACTED]
Mowi Scotland Ltd
Stob Ban House
Glen Nevis Business Park
Fort William
PH33 6RX
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	11/11/2020
SITE No	FS0234	SITE NAME	Torridon
INSPECTOR	[REDACTED]	CASE No	20200482

Section 1: Summary

An inspection was conducted to follow up mortality event reports caused by gill health issues. Four lethargic and one moribund fish were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed mixed pathology. All fish showed evidence of complex gill issues with mild multifocal hyperplastic branchitis, presence of epitheliocystis and some vascular damage (lamellar vasculitis). Individual gill samples were taken from all fish and were screened by qPCR. All five fish tested positive for *Paranucleospora theridion* (syn, *Desmozoon lepeophtherii*) and also salmon gill poxvirus. Three fish tested positive for the presence of *Neoparamoeba perurans* the causative agent of amoebic gill disease (AGD).

Fish also displayed a very mild myocarditis, mild splenitis and mild multifocal hepatic necrosis. In addition, a very mild peritonitis likely associated with vaccine administration was observed.

Please contact myself or the duty inspector should you require any further information, have any queries regarding this report or if any problems develop. Due to the continuance and level of mortalities reported the site was subject to a site inspection to collect diagnostic samples.

Section 2: Case Detail

Observations

Recurring weekly mortality events had been reported to the Fish Health Inspectorate beginning in October 2020. The mortalities were reportedly attributed to gill issues including AGD and proliferative gill disease (PGD) and also post treatment mortalities.

R09

On inspection of the site lethargic fish were observed in all pens inspected but only one moribund fish was observed. Freshwater treatments were being administered to the whole site at the time of inspection.

All fish sampled had pale gills, some zonation and appeared necrotic. The hearts were pale with granulomas present on F2 and F4. The spleen of F4 had granulomas present with all fish having a grey and granular kidney.

Samples

Samples were collected from five fish according to the table below:

Fish number	Pool number	Facility number	Species	Stage	Origin
F1, 2 and 5	1	2	Atlantic salmon	3.45 kg, 2019 Q4	Glenfinnan
F3	1	3	Atlantic salmon	3.45 kg, 2019 Q4	Loch Garry
F4	1	7	Atlantic salmon	3.45 kg, 2019 Q4	Glenfinnan

Results

Bacteriology: Kidney and gill material from F1 to F5 were inoculated onto appropriate media for the isolation of bacteria.

No significant bacteria were isolated.

Virology: Tissue samples were tested for segments of nucleic acid indicative of the presence of the pathogens specified below using real-time PCR (qPCR).

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control value	Cp	Cp Values			Reported Result (qPCR)
F1	19.13		31.41	31.41	31.44	POSITIVE
F2	19.53		36.21	36.72	35.56	POSITIVE
F3	17.99		31.39	31.12	31.08	POSITIVE
F4	18.29		31.36	31.91	31.78	POSITIVE
F5	18.40		29.61	29.83	29.89	POSITIVE

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), infectious salmon anaemia virus (ISAV), salmonid alphavirus (SAV) and viral haemorrhagic septicemia virus (VHSV).

Parasitology: Tissue samples were tested for segments of nucleic acid indicative of the presence of parasites specified below using real-time PCR (qPCR).

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (qPCR)
F1	19.13	24.23	24.38	24.33	POSITIVE
F2	19.53	25.98	25.92	25.99	POSITIVE
F3	17.99	23.83	23.56	22.87	POSITIVE
F4	18.29	25.11	25.33	25.14	POSITIVE
F5	18.40	23.14	23.29	23.30	POSITIVE

Neoparamoeba perurans

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (qPCR)
F1	19.13	33.01	32.97	32.76	POSITIVE
F2	19.53	34.68	-	35.19	Negative
F3	17.99	-	-	-	Negative
F4	18.29	29.15	28.91	29.20	POSITIVE
F5	18.40	32.69	33.21	32.93	POSITIVE

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1 to F5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Minimal to mild multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris (F1-F4) and in F5 mainly noted at the gill filament tips, moderate displacement of chloride cells and hypertrophy some lamellar epithelial thickness. Several basophilic epithelial inclusions (likely epitheliocystis) (F1). Several scattered aneurysmal dilation/telangiectasia and thrombi (F1-F5).

Skin & Muscle: Mild skeletal white muscle degeneration (F2 & F3) and in F3 also noted in skeletal red muscle.

Heart: Presence of few nests of basophilic nuclei, indicative of inflammation and several cardiac myofibre degeneration, displaying some shrunken myofibre (F1-F5). F3 also displayed infiltration at the junction of the compact and spongy cardiac ventricular.

Gut and pyloric caeca: Some fibrous adhesions likely associated with vaccine administration (F3). Cell sloughing (likely associated with post-mortem artefact).

Pancreas: Within normal range.

Liver: Mild multifocal hepatic necrosis (F1-F5) and mild diffuse hepatocyte vacuolation (F1-F5).

Kidney: Within normal range.

Spleen: focal to diffused mild reduction of white pulp (F2 & F4)

Signed:



Date: 17/12/2020

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <https://www.gov.scot/publications/fish-health-inspectorate-service-charter/>

R09

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 0131 244 0944 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

Case No: 2020-0486 Date of visit: 10/11/2020

Time spent on site: 4 hours Main Inspector: [Redacted]

Site No: FS0426 Site Name: Loch Creran (B)
Business No: FB0125 Business Name: Scottish Sea Farms Ltd

Case Types: 1 REP 2 WEL 3 SLI 4 [] 5 [] 6 []

Water Temp (°C): [] Thermometer No: [] FHI 045 completed []

Observations: Region: ST Water type: S CoGP MA: M-36

Dead/weak/abnormally behaving fish present? Y If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? N If yes, see additional information/clinical score sheet.
Gross pathology observed? N If yes, see additional information/clinical score sheet.
Diagnostic samples taken? N

UNI/REG only - if unable to carry out intended visit detail reason below:
[Redacted]

Additional Case Information:

Visit was organised in conjunction with APHA in relation to a welfare complaint made by a third party.
41730 - no of Fish harvested to date.

Timeline of events in relation to mortality and sea lice levels:

Start of September samples were taken for suspected CMS and gills insult, heart inflammation and damage to gills noted. Gill damage from possible environmental insult - CMS was negative in all samples. Minor levels of AGD detected. Slice treatment conducted on 20th of September 2020

Sea lice treatments were planned - 30/09/2020 - but cancelled due to plankton event. Asterionellopsis and Chaetoceros species observed- Event lasted for about a week going by plankton numbers per litre - no abnormal weather.

as soon as mortality increased - mort recovery increased, air lift systems installed the following week, and aeration systems installed as well.

Vets visited the following week - decision was made to halt lice treatments to give fish time to recover from gill issues caused by environmental insult.

Sea lice numbers are now back below the reporting threshold following a round of physical treatments. Thermolicer treatments resumed 15nd of October 2020, with a second round on the 22nd of October 2020 - Selective harvesting was also ongoing during this period.

Diagnostic samples taken throughout mortality event, negatives for CMS. heart inflammation and significant environment type damage to gills noted.

most of badly affected fish have now been removed or harvested through targeted harvesting.

footage shown from the feeding cameras (06/11/2020) - fish looking healthy, no lice damage observed.

Site visit completed with APHA vet on 10/11/2020 - Windy conditions with lots of fresh water present. 9 pens remain stocked after worst affected pens were harvested out. Residual lice damage was observed on some fish in all pens. Damage is now healing and no fresh damage was observed anywhere on site. 2-3 fish were observed hanging near the surface in each pen, however would elicit a escape response when approached with hand net. Site staff netted out 3 fish that that sustained physical damage from pen furniture, these fish had increased numbers of pre adult lice and fish and showed signs of slight gill damage consistent with historic environmental insult, No AGD was observed on these fish. No moribund fish were observed in any of the pens, hanging fish appeared to be flushing gills in freshwater layer near surface. Further mechanical lice treatments are planned for when adult lice numbers start to rise again. Site manager and company vet expressed that gills were looking good considering the recent environmental insult.

Case No: **2020-0486** Site No: **FS0426**
 Date of Visit: **10/11/2020** 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	14	Facilities stocked	12	No facilities inspected	12
Species	SAL				
Age group	19S0				
No Fish	263,999				
Mean Fish Wt	3.1kilos				
Next Fallow Date (Site)	Sep-21		Next Input Date (Site)	oct 2021	
Recent (last 4 wks) disease problems?		Y	Any escapes (since last visit)?		N
If yes, detail:	see additional information				

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 (out with 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? **Incinerated - on site**
 If other detail: **[REDACTED]**
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **week 44 0.57% (1769) week 43 8.64 (29101) week 42 (6.66 - 24021) week 41**
 5. Evidence of recent increased/atypical mortalities? **Y**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
see additional info
 6. Any other peaks in mortality during period checked? **Y**
 If yes, detail: **see additional info**
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**
 If yes, detail action: **Company vets and FHI notified**
 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)?	<input type="checkbox"/>	Y
If yes, detail:	TMS Slice	
If other, detail:	Thermolicer	
2. Medicines records available for inspection?	<input type="checkbox"/>	Y
3. Are records complete and correctly entered?	<input type="checkbox"/>	Y
4. Are fish in a withdrawal period?	<input type="checkbox"/>	N
5. If yes, what treatment(s)?	<input type="checkbox"/>	
If other, detail:	<input type="checkbox"/>	
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained) mortality</i> at the site been included?	<input type="checkbox"/>
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 <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>
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.)?	<input type="checkbox"/>
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>
If no, detail:	<input type="checkbox"/>

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	Y
If yes, detail (if not detailed under recent disease problems).	see additional info	

Records checked between:	10/03/2020 - 10/11/2020
--------------------------	-------------------------

Case No:

Site No:

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and are these being used in a responsible and timely manner?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above (prior to w/b 10/6/19) or If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
- 13. Are treatments, where conducted, carried out in cooperation between participating farms?
- 14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised
- 16. Do the sea lice levels observed on stocks reflect sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)
- If other, detail below:
- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2020-0486

Date of visit: 10/11/2020

Site No: FS0426

Inspector: [Redacted]

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp

Report Summary			
Case Type	Date	Insp	2 nd Insp
REP WEL SLI	21/01/2021		

██████████
Scottish Sea Farms Ltd
Laurel House
Laurelhill Business Park
Polmaise Road Stirling
FK7 9JQ
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0125	DATE OF VISIT	10/11/2020
SITE No	FS0426	SITE NAME	Loch Creran (B)
INSPECTOR	██████████	CASE No	20200486

The above site was inspected in conjunction with a veterinary officer from the Animal and Plant Health Agency (APHA) following a report of a potential welfare issue by a member of the public.

A separate report will be issued by the Animal and Plant Health Agency.

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015

Medicine records were inspected and found to be adequately maintained.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

On this occasion the site was found to be satisfactory with regards to parasites.

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



Signed:

Date: 21/01/2021

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <https://www.gov.scot/publications/fish-health-inspectorate-service-charter/>