

Case No: 2021-0431 Date of visit: 19/10/2021

Time spent on site: n/a Main Inspector: [Redacted]

Site No: FS1286 Site Name: Muck
Business No: FB0119 Business Name: Mowi Scotland Ltd

Case Types: 1 PSI 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: HI Water type: S CoGP MA: None

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

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

Additional Case Information:

Targeted harvesting on-going on site. Pen 1 being harvested currently, pen 12 next. Likelihood that whole site will be harvested out will be quite high, but restricted with availability and weather.

Weather significant factor with harvesting, treatments and morting.

Operator fed through jellyfish bloom, July/August. Caused significant damage to gills.

Potential for whole site to be harvested.

Boat brought in to help with mortality disposal, being taken to Shetland.

Fresh water treatments concluded 14th of September. Fish took treatments fairly well considering poor gill health.

Lumpfish deployed to help with higher lice counts.

Mortality had reduced significantly in week 42, so far. But data for this week not complete.

Mortality (last 4 weeks)

Week 41 - 2.26% - 10365

week 40 - 1.85% - 10304

week 39 - 1.07% - 6017

week 38 - 5.94% - 37008

Case No: Site No:
 Date of case: Inspector(s):

Registration/Authorisation Details

Business/site contacts correct? (if no update site summary sheet)

Site Details

Total No facilities No facilities stocked
 Species
 Age group
 No Fish
 Mean Fish Wt
 Next Fallow Date (Site) Next Input Date (Site)

Date of last inspection: (ECI or PSI)

Mortality Information

1. Any recent increased or atypical mortalities? (last 4 weeks.)
 If yes, detail:
 2. Any increased mortalities? (since last inspection.)
 If yes, detail:
 3. How are mortalities disposed of?
 If other detail:

Treatments and Medicines

1. Any treatments? (since last inspection)
 If yes, detail:
 Other:

Health status and Results of Surveillance

1. Any disease on site? (since last inspection)
 If yes, detail:
 2. Has any animal health surveillance been carried out by, or on behalf of, the business?
 3. Any significant results?
 If yes, detail

Sea lice

1. Has the site experienced sea lice problems in the previous 4 years?
 If yes, detail:
 2. Have lice levels stayed below the suggested criteria for treatment in the CoGP since the last inspection?
 If no, detail:
 3. 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 2 or above (from w/b 10/6/19) since the last inspection?
 4. If yes to 3, have these been reported to the Fish Health Inspectorate? If no, see comment.
 5. Does the site have treatment discharge consents relevant to sea lice?
 If yes, detail:
 6. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels recorded?
 If no, detail:
 7. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
 8. Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single year class basis?

Escapes/Containment

1. Any reported escapes? (check prior to phone call)

	N
	N

2. Any escapes? (since last inspection)

If yes, detail:
(include date)

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Biosecurity Records

1. Any significant changes to your biosecurity procedures since previous visit?

	N
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If yes, detail:

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Case No: 2021-0431 Date of visit: 19/10/2021
Site No: FS1286 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
PSI	09/11/2021		

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	19/10/2021
SITE No	FS1286	SITE NAME	Muck
CASE No	20210431	INSPECTOR	

Passive Surveillance Inspection

A notification of mortality levels above the reporting criteria was received by the Fish Health Inspectorate on for the period of 16/08/2021 to 26/09/2021

A passive surveillance inspection was conducted by telephone to gather information in accordance with the Aquatic Animal Health (Scotland) Regulations 2009. Information was also gathered in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice).

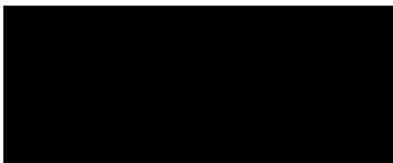
Site has been affected by environmental gill insult which has caused a prolonged period of increased mortality. Treatments have been conducted which have had a positive impact on mortality levels on site, targeted harvesting was also carried out on worst affected pens. Treatments and harvest plans have been complicated by adverse weather conditions. Business is conducting regular reviews of the situation and harvesting of the site to fallow is being considered if mortality does not significantly improve.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated.

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

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

Signed:



Date: 09/11/2021

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/>

Case No:	<input type="text" value="2021-0434"/>	Date of visit:	<input type="text" value="22/10/2021"/>			
Time spent on site:	<input type="text" value="2.5 hours"/>	Main Inspector:	<input type="text" value=""/>			
Site No:	<input type="text" value="FS0508"/>	Site Name:	<input type="text" value="Kinnaird Mill Trout"/>			
Business No:	<input type="text" value="FB0456"/>	Business Name:	<input type="text" value="Dawnfresh Farming Ltd"/>			
Case Types:	1 <input type="text" value="ECI"/>	2 <input type="text" value="CNI"/>	3 <input type="text" value="VMD"/>	4 <input type="text" value=""/>	5 <input type="text" value=""/>	6 <input type="text" value=""/>
Water Temp (°C):	<input type="text" value="9"/>	Thermometer No:	<input type="text" value="T172"/>	FHI 045 completed	<input type="text" value=""/>	
Observations:	Region:	TA	Water type:	F	CoGP MA	
Dead/weak/abnormally behaving fish present?	<input type="text" value="N"/>	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:

Additional Case Information:

Remote inspection undertaken on 21/10/2021 by [REDACTED] observed by [REDACTED], a lead assessor and technical assessor as part of a UKAS assessment. Physical inspection undertaken by [REDACTED] on 22/10/2021 observed by [REDACTED] a lead assessor and technical assessor as part of a UKAS assessment

No issues with eye fluke. This was historically a problem but no longer an issue due to the installation of a disc filter. The filter manufacturer (Sterner) will be onsite when water temperature drops below 8 degrees and the filter can be turned off. This is to find a way to improve the inspection of the filter without taking it apart allowing for more frequent inspections

Next batch of eggs due in from Spain due to restrictions with eggs from Denmark.

RTFS treated on Tuesday before inspection using florocol, the treatment was reportedly successful. Once out of hatchery the fish often get RTFS at about 5-6g. As fish are vaccinated at 60-120g. Once vaccinated RTFS is no longer an issue. RTFS diagnosed by Pharmaq. A company vet worked for Dawnfresh Farming, but left the week previous to the inspection.

Dawnfresh are looking at replacing the fish vet with an external vet working for FVG.

Gill issues recently. Once fish exposed to river water after living in borehole derived water they get some issues on the gills. Some amoeba identified on gills. Pharmaq now contracted as fish vet. There is a fish health representative on site that works for Dawnfresh. Cress and florocol used to treat issues. Treatments were reportedly very successful.

Aquatet used to treat peritonitis post vaccination.

All fish sent to Tervine and Loch Etive sites (Etive 2 and 3) for on-growing

Import dates since last insp: 11/06/19, 15/10/19, 20/11/19, 07/01/20, 31/03/20, 12/05/20, 25/09/20, 16/11/20, 26/01/21, 23/03/21, 21/09/21

Import came in from S.Africa on 25/09/2020 and culled as the triploid rate was not high enough. These eggs were replaced.

270,000 fish culled on site. Not reported to FHI as it was a cull, not a mortality event.

Usually 4 movements on from outside GB in average year.

2020: wk 42 (2.7%) 2020 and wk 46 (6.2%) increased mortality due to egg cull. These were culled after an import from S.Africa. No signs of disease observed.

2021: wk 25 (4.6%) mortality related to filter blockage, this has been reported to FHI and investigated by FHI and APHA

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="26"/>		Facilities stocked	<input type="text" value="9"/>		No facilities inspected	<input type="text" value="26"/>	
Species	<input type="text" value="RTR"/>	<input type="text" value="RTR"/>	<input type="text" value="RTR"/>	<input type="text" value="RTR"/>	<input type="text" value="RTR"/>			
Age group	<input type="text" value="2021 sept"/>	<input type="text" value="2020 oct"/>	<input type="text" value="2020 nov"/>	<input type="text" value="2021 jan"/>	<input type="text" value="2021 mar"/>			
No Fish	<input type="text" value="147,064"/>	<input type="text" value="42,572"/>	<input type="text" value="82,640"/>	<input type="text" value="186,383"/>	<input type="text" value="217,867"/>			
Mean Fish Wt	<input type="text" value="0.11g"/>	<input type="text" value="323.38g"/>	<input type="text" value="179.33g"/>	<input type="text" value="65.61g"/>	<input type="text" value="20.48g"/>			
Next Fallow Date (Site)	<input type="text" value="No plans"/>			Next Input Date (Site)	<input type="text" value="Nov 2021"/>			
Recent (last 4 wks) disease problems?				<input type="text" value="Y"/>	Any escapes (since last visit)?			<input type="text" value="N"/>
If yes, detail:	<input type="text" value="RTFS, some gill issues (see additional information)"/>							

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 Records1. Recent treatments (see comment)? Y

If yes, detail: Florfenicol,
Formalin,
T.M.S.

If other, detail: Cress

2. Medicines records available for inspection? Y3. Are records complete and correctly entered? Y4. Are fish in a withdrawal period? Y

5. If yes, what treatment(s)? Florfenicol, Formalin, T.M.S.

If other, detail: Cress

6. Are medicines stored appropriately? Y**Biosecurity Records**1. Biosecurity records available for inspection? Y2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y3. 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? Y4. 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? Y5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? Y6. 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.)? Y7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y8. Have the biosecurity procedures been adequately implemented on site? Y

If no, detail:

Results of Surveillance1. Has any animal health surveillance been carried out by, or on behalf of, the business? Y2. If yes, are results available for inspection? Y3. Any significant results? Y

If yes, detail (if not detailed under recent disease problems). Signs consistent with RTFS observed by fish

Records checked between:

11/03/2021 - 21/10/2021

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	0.3500											
Sex	N/A											
Water Type	FW											
Stock Details		Dunkeld (S.Africa)										
	Stock Origin											
Facility No	P3											

Case Number:	2021-0434	Site No:	FS0508	Insp:	
Date of Visit	22/10/2021	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
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26
	Number of suppliers	0	5	10	14
Movements off	Frequency of movements off	0	3	6	10
	Number of destinations	0	3	6	10
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	1
	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			0
	Processing own fish (re-cycling risk)	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			0
	Common processes with other farms	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	1
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	29 HIGH

Case No: **2021-0434**

Site No: **FS0508**

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) fallowed 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 can 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 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 2 or above (from w/b 10/6/19) during the period that records are inspected?
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 sea lice?
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
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? N
2. Are measures in place to mitigate against the predation experienced on site? (Detail below) Y

Bird nets, electric fence, some facilities in polytunnels, pest control contract, wildlife log maintained

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? N
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) Y

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0456	DATE OF VISIT	22/10/2021
SITE No	FS0508	SITE NAME	Kinnaird Mill Trout
CASE No	20210434	INSPECTOR	██████████

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

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 high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. 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.

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.

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.

R04

Samples were taken to be analysed for veterinary residues.

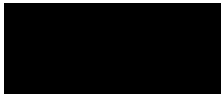
Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007 with respect to section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory

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

Signed:



Date: 05/11/2021

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/>

Case No: 2021-0435 Date of visit: 25/10/2021

Time spent on site: 1 hour Main Inspector: [Redacted]

Site No: SS0759 Site Name: Fearna
Business No: SB0530 Business Name: Loch Striven Mussel Farms Ltd

Case Types: 1 MOV 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: ST Water type: S CoGP MA: []

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:

Inspection at shorebase of consignment of 21.6 tonnes of mussels for export to Lenger Seafoods, Ireland (certificate number MS/2021/0028).

Mussels looked very clean and no other shellfish observed in bags.

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="30 lines"/>	Facilities stocked	<input type="text" value="28 lines"/>	No facilities inspected	<input type="text" value="0"/>
Species	<input type="text" value="MED"/>	<input type="text" value="MED"/>			
Age group	<input type="text" value="2020"/>	<input type="text" value="2021"/>			
No Fish	<input type="text" value="~649 t"/>	<input type="text" value="~10 t"/>			
Mean Fish Wt	<input type="text" value="JUV"/>	<input type="text" value="SPA"/>			
Next Fallow Date (Site)	<input type="text" value="N/A"/>		Next Input Date (Site)	<input type="text" value="Natural spat fall"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N/A"/>	
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)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	

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 <i>increased (unexplained)</i> 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 <i>how</i> and <i>when</i> 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?	N
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:	22/10/21 - 25/10/21
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Case No: 2021-0435

Date of visit: 25/10/2021

Site No: SS0759

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
MOV	02/11/2021		

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

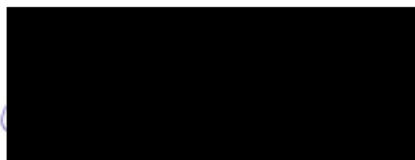
BUSINESS No	SB0530	DATES OF VISIT	25-29/10/2021
SITE No	SS0759	SITE NAME	Fearna
CASE Nos	20210435-0439	INSPECTOR	[REDACTED]

Inspection for export

The above site was visited and five consignments of *Mytilus edulis* spat for export to the Republic of Ireland were inspected. Health certificates were issued which must travel with the consignments to the destination.

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

Signed:



Date: 02/11/2021

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/>

Case No: 2021-0436 Date of visit: 26/10/2021

Time spent on site: 1 hour Main Inspector: [Redacted]

Site No: SS0759 Site Name: Fearna
Business No: SB0530 Business Name: Loch Striven Mussel Farms Ltd

Case Types: 1 MOV 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: ST Water type: S CoGP MA: []

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:

Inspection at shorebase of consignment of 21.6 tonnes of mussels for export to Lenger Seafoods, Ireland (certificate number MS/2021/0029).

Mussels looked very clean and no other shellfish observed in bags.

Case No: **2021-0436** Site No: **SS0759**
 Date of Visit: **26/10/2021** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	30 lines	Facilities stocked	28 lines	No facilities inspected	0
Species	MED	MED			
Age group	2020	2021			
No Fish	~628 t	~10 t			
Mean Fish Wt	JUV	SPA			
Next Fallow Date (Site)	N/A		Next Input Date (Site)	Natural spat fall	
Recent (last 4 wks) disease problems?			N	Any escapes (since last visit)?	N/A
If yes, detail:	[REDACTED]				

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **22/10/2021**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **N/A**
 5. Are records complete and correctly entered? **N/A**
 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? **N/A**
 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Empty shells fall to seabed**
 3. Mortality records complete and correctly entered? **N/A**
 4. Recent mortality (last 4 wks): **No observed mortality**
 5. Evidence of recent increased/atypical mortalities? **N/A**
 If yes, facility nos/no mortality per facility/no stock per facility/reason: **[REDACTED]**
 6. Any other peaks in mortality during period checked? **N/A**
 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. **N/A**

Treatments and Medicines Records

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

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 <i>increased (unexplained)</i> 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 <i>how</i> and <i>when</i> 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?	N
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:	25/10/21 - 26/10/21
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

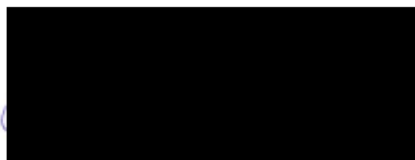
BUSINESS No	SB0530	DATES OF VISIT	25-29/10/2021
SITE No	SS0759	SITE NAME	Fearna
CASE Nos	20210435-0439	INSPECTOR	[REDACTED]

Inspection for export

The above site was visited and five consignments of *Mytilus edulis* spat for export to the Republic of Ireland were inspected. Health certificates were issued which must travel with the consignments to the destination.

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

Signed:



Date: 02/11/2021

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/>

Case No: 2021-0437 Date of visit: 27/10/2021

Time spent on site: 1 hour Main Inspector: [Redacted]

Site No: SS0759 Site Name: Fearna
Business No: SB0530 Business Name: Loch Striven Mussel Farms Ltd

Case Types: 1 MOV 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: ST Water type: S CoGP MA: []

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:

Inspection at shorebase of consignment of 21.6 tonnes of mussels for export to Lenger Seafoods, Ireland (certificate number MS/2021/0030).

Mussels looked very clean and no other shellfish observed in bags.

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="30 lines"/>	Facilities stocked	<input type="text" value="28 lines"/>	No facilities inspected	<input type="text" value="0"/>
Species	<input type="text" value="MED"/>	<input type="text" value="MED"/>			
Age group	<input type="text" value="2020"/>	<input type="text" value="2021"/>			
No Fish	<input type="text" value="~607 t"/>	<input type="text" value="~10 t"/>			
Mean Fish Wt	<input type="text" value="JUV"/>	<input type="text" value="SPA"/>			
Next Fallow Date (Site)	<input type="text" value="N/A"/>		Next Input Date (Site)	<input type="text" value="Natural spat fall"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N/A"/>	
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)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	

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 <i>increased (unexplained)</i> 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 <i>how</i> and <i>when</i> 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?	N
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:	26/10/21 - 27/10/21
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

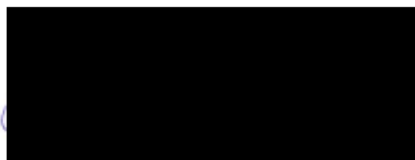
BUSINESS No	SB0530	DATES OF VISIT	25-29/10/2021
SITE No	SS0759	SITE NAME	Fearna
CASE Nos	20210435-0439	INSPECTOR	[REDACTED]

Inspection for export

The above site was visited and five consignments of *Mytilus edulis* spat for export to the Republic of Ireland were inspected. Health certificates were issued which must travel with the consignments to the destination.

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

Signed:



Date: 02/11/2021

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/>

Case No: 2021-0438 Date of visit: 28/10/2021

Time spent on site: 1 hour Main Inspector: [Redacted]

Site No: SS0759 Site Name: Fearna
Business No: SB0530 Business Name: Loch Striven Mussel Farms Ltd

Case Types: 1 MOV 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: ST Water type: S CoGP MA: []

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:

Inspection at shorebase of consignment of 21.6 tonnes of mussels for export to Lenger Seafoods, Ireland (certificate number MS/2021/0031).

Mussels looked very clean and no other shellfish observed in bags.

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="30 lines"/>	Facilities stocked	<input type="text" value="28 lines"/>	No facilities inspected	<input type="text" value="0"/>
Species	<input type="text" value="MED"/>	<input type="text" value="MED"/>			
Age group	<input type="text" value="2020"/>	<input type="text" value="2021"/>			
No Fish	<input type="text" value="~586 t"/>	<input type="text" value="~10 t"/>			
Mean Fish Wt	<input type="text" value="JUV"/>	<input type="text" value="SPA"/>			
Next Fallow Date (Site)	<input type="text" value="N/A"/>		Next Input Date (Site)	<input type="text" value="Natural spat fall"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N/A"/>	
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)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	

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 <i>increased (unexplained)</i> 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 <i>how</i> and <i>when</i> 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?	N
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:	27/10/21 - 28/10/21
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Case No: 2021-0438

Date of visit: 28/10/2021

Site No: SS0759

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
MOV	02/11/2021		



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0530	DATES OF VISIT	25-29/10/2021
SITE No	SS0759	SITE NAME	Fearna
CASE Nos	20210435-0439	INSPECTOR	[REDACTED]

Inspection for export

The above site was visited and five consignments of *Mytilus edulis* spat for export to the Republic of Ireland were inspected. Health certificates were issued which must travel with the consignments to the destination.

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

Signed:

Date: 02/11/2021

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/>

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: ST Water type: S CoGP MA:

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

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

Additional Case Information:

Inspection at shorebase of consignment of 21.6 tonnes of mussels for export to Lenger Seafoods, Ireland (certificate number MS/2021/0032).

Mussels looked very clean and no other shellfish observed in bags.

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="30 lines"/>	Facilities stocked	<input type="text" value="28 lines"/>	No facilities inspected	<input type="text" value="0"/>
Species	<input type="text" value="MED"/>	<input type="text" value="MED"/>			
Age group	<input type="text" value="2020"/>	<input type="text" value="2021"/>			
No Fish	<input type="text" value="~565 t"/>	<input type="text" value="~10 t"/>			
Mean Fish Wt	<input type="text" value="JUV"/>	<input type="text" value="SPA"/>			
Next Fallow Date (Site)	<input type="text" value="N/A"/>		Next Input Date (Site)	<input type="text" value="Natural spat fall"/>	
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N/A"/>	
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)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	

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 <i>increased (unexplained)</i> 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 <i>how</i> and <i>when</i> 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?	N
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:	28/10/21 - 29/10/21
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Case No:	2021-0439	Date of visit:	29/10/2021
Site No:	SS0759	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
MOV	02/11/2021		

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

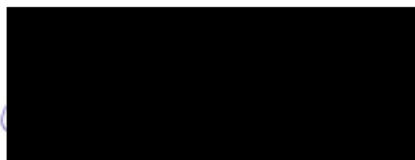
BUSINESS No	SB0530	DATES OF VISIT	25-29/10/2021
SITE No	SS0759	SITE NAME	Fearna
CASE Nos	20210435-0439	INSPECTOR	[REDACTED]

Inspection for export

The above site was visited and five consignments of *Mytilus edulis* spat for export to the Republic of Ireland were inspected. Health certificates were issued which must travel with the consignments to the destination.

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

Signed:



Date: 02/11/2021

Fish Health Inspector

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Case No: 2021-0452 Date of visit: 26/10/2021

Time spent on site: 5hrs Main Inspector: [Redacted]

Site No: FS1024 Site Name: Toyness
Business No: FB0125 Business Name: Scottish Sea Farms Ltd

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

Water Temp (°C): 11.3 Thermometer No: T152 FHI 045 completed [Redacted]

Observations: Region: OR Water type: S CoGP MA: O-3

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? N 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:

Fish came on from Barcaldine Smolt Unit (FS1328) over 3 inputs during September, October and November 2020.

Mortality event w/b 20/09 -

Sudden increase in mortality in cages 3,4,5,6,7,9 and 10, low ambient and in-cage dissolved oxygen. No signs of physical damage were observed on the fish (internal and external). Feeding rate also reduced during this time.

Mortality the week before was 0.25%. Cages 1,2 and 3 had a hydrolicer treatment and the mortality was attributed to this handling event and accounted for the majority of mortalities that week. IN general, mortalities at the site have been low since input with mortalities being attributed to planned handling events.

Fish have reportedly been in good physical health, with a low lice burden that was treated. AGD treatment shortly after input and recent swabs have returned moderate AGD positive. Treatment options are currently being arranged. Fish were feeding well prior to the mortality event and have had a demonstrated a high conversion rate.

Dissolved oxygen at the site dropped from >10mg/l down to <6mg/l during the week of the mortality event.

Current working diagnosis of the mortality event has been attributed to heart failure due to impaired respiration associated with CGD during a period of hypoxia.

Site emergency harvested the worst affected cages.

First cycle of stocking wildcaught wrasse. 12,187 wrasse were input to the site on 16/09/2021. 5,765 (47.3%) fish were removed at the same time the Salmon were harvested from the worst affected cages following the mortality event on 26/10/21. No other mortality has been recorded since input in September. Site manager reported that the wrasse were having a positive effect on reducing the lice count across the site. Albeit, sea lice counts have been low this cycle.

Weather was very poor on day of inspection. Inspector walked round 2/5 cages before the large swell was compromising safety. The remaining cages were inspected from the boat.

The fish were difficult to see as they were sitting deep in the water and were not surfacing for feed. No moribunds observed in any of the cages and only 1 mortality was noted across the site, although not fresh dead so not sampled.

Fish sampled for VMD appeared healthy.

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="5"/>	No facilities inspected	<input type="text" value="10"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="WRA"/>			
Age group	<input type="text" value="2020 S0"/>	<input type="text" value="Wildcaught"/>			
No Fish	<input type="text" value="100,000"/>	<input type="text" value="5,953"/>			
Mean Fish Wt	<input type="text" value="3kg"/>	<input type="text" value="Mixed"/>			
Next Fallow Date (Site)	<input type="text" value="July 22"/>		Next Input Date (Site)	<input type="text" value="Sept 22"/>	
Recent (last 4 wks) disease problems?		<input type="text" value="Y"/>	Any escapes (since last visit)?		<input type="text" value="N"/>
If yes, detail:	<input type="text" value="CGD"/>				

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:	T.M.S	
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)?	T.M.S	
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"/>	N
If yes, detail (if not detailed under recent disease problems).		

Records checked between:	20/03/2019 - 26/10/2021
--------------------------	-------------------------

Case Number:	2021-0452	Site No:	FS1024	Insp:		
Date of Visit	26/10/2021	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	
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	3
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				0
	Processing own fish (re-cycling risk)	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		1
	Sites sharing staff and equipment	0	1	2		1
Disinfection of equipment between sites, use of footbaths etc	Yes	0				
	No	1				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					21	MEDIUM

Case No: **2021-0452**

Site No: **FS1024**

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 can 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 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 2 or above (from w/b 10/6/19) during the period that records are inspected?
- 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 sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 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

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: 2021-0452

Site No: FS1024

Date of Visit: 26/10/2021

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?



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/Pool - click

	Pool/Fish No	F1	F2	F3	P1							
	Fish nos	1	2	3	1-3	4-5						
	Pool Group	P1	P1	P1								
Stock Details	Species	SAL	SAL	SAL	SAL	SAL						
	Average weight	3kg	3kg	3kg	3kg	3kg						
	Sex	N/A	N/A	N/A	N/A	N/A						
	Water Type	SW	SW	SW	SW	SW						
	Stock Origin	Barcaldine Smolt Unit FS1328	Barcaldine Smolt Unit FS1328	Barcaldine Smolt Unit FS1328	Barcaldine Smolt Unit FS1328	Barcaldine Smolt Unit FS1328						
	Facility No	3	3	3	3	7						

10/2021 Additional Sample Information:
Humanely dispatched by percussive blow.
Fish 4-5 were sampled first while fish for dignostic were being caught so unable to take diagnostic samples from F4-5.

Total Tests assigned

Case no: 2021-0452

Site No: FS1024

Method of killing: Percussive

Date of visit: 26/10/2021

Inspector(s):

Sheet Relevant: Y

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

Fish Number		1	2	3						
Time sampled after death (if > 45 minutes)			45mins	1hour						
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		M	S						
	Zoned									
	Necrotic									
Lesions	Flank									
	Elsewhere									
Vent	Inflamed									
	Trailing faeces									
Lice Load	Estimate numbers	3	4	3						
Internal Signs										
Ascites	Clear									
	Bloody									
Oedema	In tissues									
Heart	Pale/anaemic			M						
	Granulomas									
	Deformed									
Liver	Petechial haem									
	Gross haem									
	Tissue breakdown									
	Enlarged									
	Colour number(s)	3	4	6						
	Granulomas									
	Lesions									
Pyloric caeca	Petechial haem									
	Tubules mauve									
	Lack of fat									
Spleen	Enlarged									
	Granulomas									
Gut	No food present									
	Yellow pseudo-faeces	M	M	S						
	External haem									
	Internal haem									
Body wall	Haemorrhaging									
Swim bladder	Haemorrhaging									
	Fluid filled									
Kidney	Swollen									
	Grey									
	Granular									
	Liquefied									
General	Parasites present									
	Anaemia									

Case no: 2021-0452

Date of visit: 26/10/2021

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																	
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Opercula	Shortened																	
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	Elsewhere																	
Vent	Inflamed																	
	Trailing faeces																	
Lice Load	Estimate numbers																	
Internal Signs																		
Ascites	Clear																	
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	Granulomas																	
	Deformed																	
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	Gross haem																	
	Tissue breakdown																	
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	Colour number(s)																	
	Granulomas																	
	Lesions																	
Pyloric caeca	Petechial haem																	
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Swim bladder	Haemorrhaging																	
	Fluid filled																	
Kidney	Swollen																	
	Grey																	
	Granular																	
	Liquefied																	
General	Parasites present																	
	Anaemia																	

Additional comments:

Site No: FS1024
Case No: 2021-0452
Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



Case No: **2021-0452** Date of visit: **26/10/2021**
Site No: **FS1024** Inspector: **[REDACTED]**

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
MG_ISA	0/1	02/11/2021		02/11/2021		17/11/2021		
MG_IHNQ	0/1	02/11/2021		02/11/2021		18/11/2021		
MG_IPN	0/1	02/11/2021		02/11/2021		19/11/2021		
MG_SAV	0/1	02/11/2021		02/11/2021		20/11/2021		
MG_VHS	0/1	02/11/2021		02/11/2021		21/11/2021		
VSPE	2/3	09/11/2021		12/11/2021		22/11/2021		
NSIG	2/3	09/11/2021		12/11/2021		23/11/2021		
AMGD	2/3	08/11/2021		12/11/2021		24/11/2021		
GPAT	3/3	08/11/2021		12/11/2021		25/11/2021		
EPIT	1/3	08/11/2021		12/11/2021		26/11/2021		

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI, CNI, SLI, VMD	29/10/2021		
DIA	17/11/2021		

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0125	DATE OF VISIT	26/10/2021
SITE No	FS1024	SITE NAME	Toyness
CASE No	20210452	INSPECTOR	██████████

Section 1: Summary

The site was visited following continued reports of elevated mortality levels. During the inspection, the fish were sitting deep in the water and no moribund fish were observed in any of the pens. Three fish were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed mild multifactorial non-specific proliferative branchitis. Pathology was also consistent with amoebic gill disease (AGD) and epitheliocysts were also present. F3 displayed lesions resembling salmon gill poxvirus. Marked vascular disturbance potentially associated with water bourn insult. Mild multifocal hepatic necrosis (F1).

Vibrio sp. was identified on plates taken from kidney material of 2/3 fish. The level and purity would not suggest it would be implicated in morbidity.

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

Section 2: Case Detail

Observations

The site was inspected following continued reports of elevated mortality levels and to carry out a routine inspection. Increased mortalities had been attributed to gill health, AGD, a period of low dissolved oxygen and treatment losses.

Mortality levels have reduced significantly following a short period of low dissolved oxygen at the site and no moribund fish were observed during the inspection. Three fish were removed from pen 3 for diagnostic sampling.

Externally, no clinical signs of disease were noted on any of the fish, but the gills of F2 and F3 were moderately to strongly pale in colour.

Internally, F3 had a pale/anaemic heart and all three fish had yellow pseudo-faeces in their guts.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
F1-3	P1	3	Atlantic salmon	2020 S0 3kg	Barcaldine Smolt Unit (FS1328)

Results

Bacteriology: Kidney and gill material from three fish was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- *Vibrio* sp.
 - Fish 2-3 (Kidney)

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

- Infectious haematopoietic necrosis virus (IHNV)
- Infectious pancreatic necrosis virus (IPNV)
- Infectious salmon anaemia virus (ISAV)
- Salmonid alphavirus (SAV)
- Viral haemorrhagic septicemia virus (VHSV)

The samples tested negative for all the pathogens listed above.

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-3. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Minimal to mild multifocal hyperplasia and lamellar fusion, some lacunae (some filled with cell debris) observed on the hyperplastic plaques (F1 & F3), prominent goblet cells and chloride cells displacement and lamellar adhesions.

F3 displayed few lamellae with several apoptotic cells. Few amoeboid cells resembling *Neoparamoeba perurans* (F3) and basophilic epithelial inclusions (likely epitheliocystis) (F1).

F1 plankton-like structure walled off between two lamellae. Several aneurysmal dilations and thrombi observed in the lamellar vessels of all fish and F2 was more severe in two of gill filament tips.

All fish displayed free blood among gill filaments.

Skin & Muscle: Within normal range.

Heart: Small nest of inflammatory cell infiltration in the atrium chamber (F1) One thrombus in the ventricle (F1).

Gut and pyloric caeca: Within normal range.

Pancreas: Within normal range.

R09

Liver: Multiple small foci of hepatic cell necrosis (F1).

Kidney: Within normal range.

Spleen: Within normal range.



Signed:

Date: 17/11/2021

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/>

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0125	DATE OF VISIT	26/10/2021
SITE No	FS1024	SITE NAME	Toyness
CASE No	20210452	INSPECTOR	[REDACTED]

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

All epidemiological units were inspected. Samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second 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.

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.

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 parasites, fish farm management agreements and statements and containment and escapes.

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



Signed:

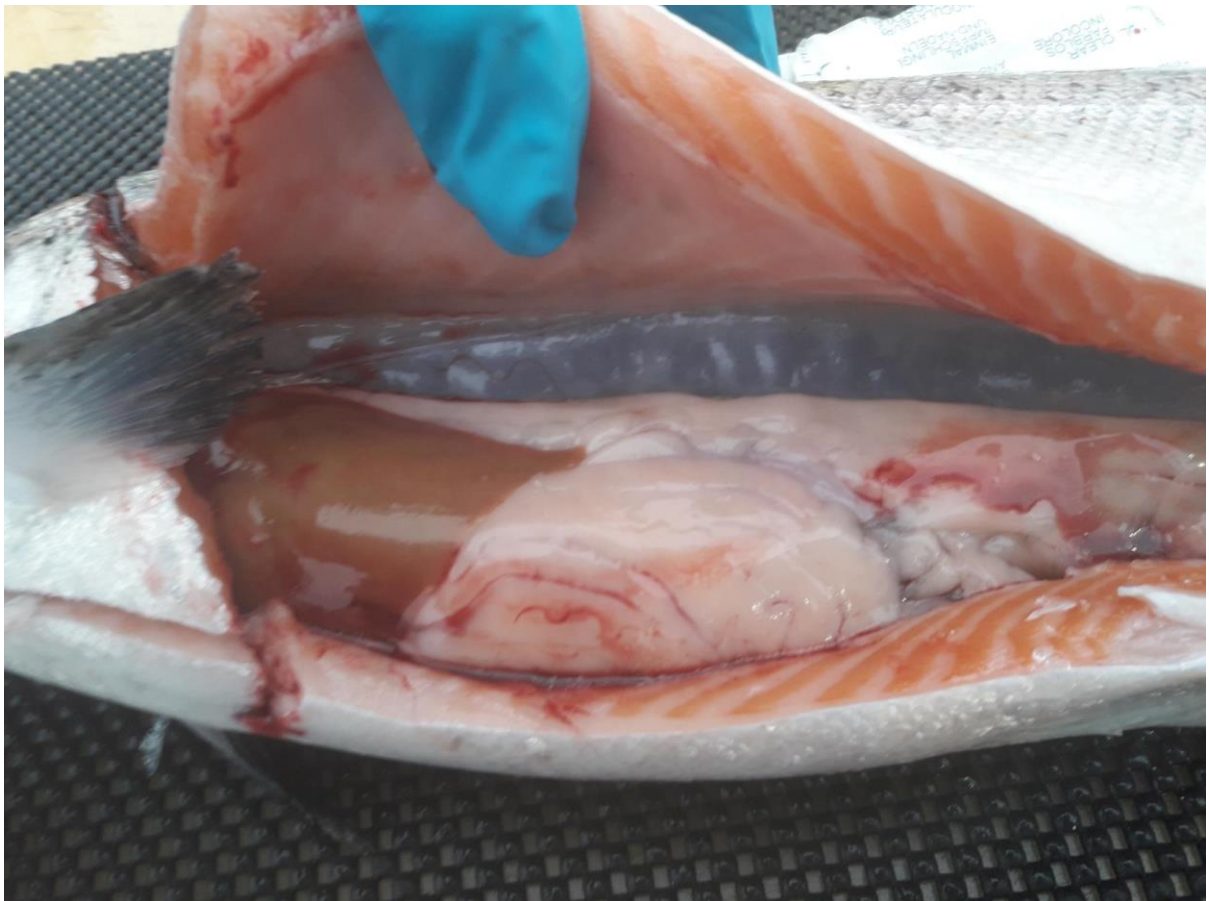
Date: 01/10/2021

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/>

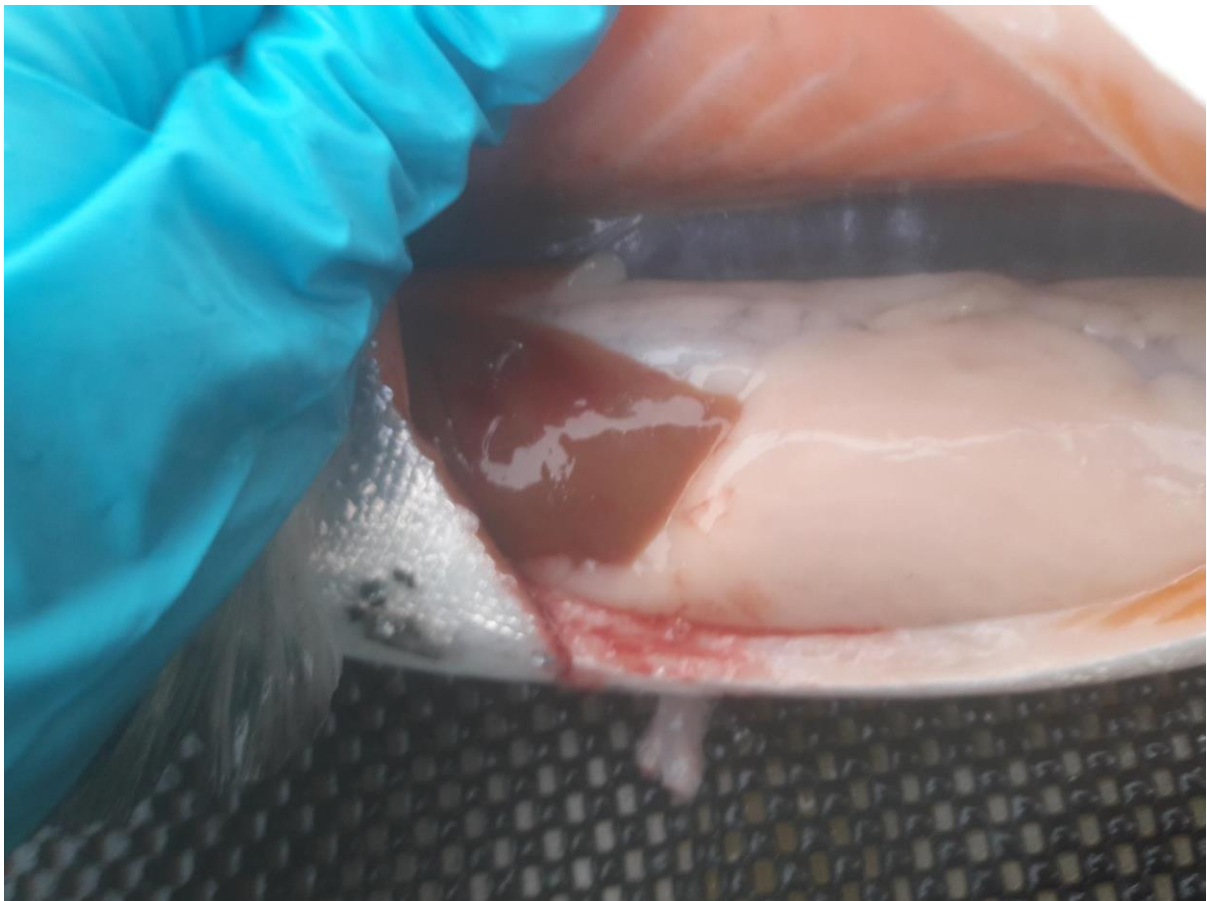


F1





F2



F3 – internal only



Case No: 2021-0453 Date of visit: 26/10/2021

Time spent on site: 30mins Main Inspector: [Redacted]

Site No: SS0548 Site Name: Lamb Holm
Business No: SB0553 Business Name: Orkney Shellfish Hatchery (OSH) Ltd

Case Types: 1 MOV 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: OR Water type: S CoGP MA: []

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:

Batch of O.edulis larvae inspected prior to export to the Netherlands.

Mortality records for the broodstock were inspected. A total fo 248 mortalities have been recorded since the beginning of August 21, with no increased or unexplained mortalities occurring since the last inspection.

Health certificate MS/2021/0027 was signed and issued for 500,000 O.edulis larvae and left with the site manager.

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="1"/>	Facilities stocked	<input type="text" value="1"/>	No facilities inspected	<input type="text" value="1"/>
Species	<input type="text" value="OED"/>	<input type="text" value="OED"/>	<input type="text" value="HGA"/>	<input type="text" value="HGA"/>	
Age group	<input type="text" value="Adult"/>	<input type="text" value="Spat"/>	<input type="text" value="Adult"/>	<input type="text" value="Juveniles"/>	
No Fish	<input type="text" value="388"/>	<input type="text" value="223,300"/>	<input type="text" value="1"/>	<input type="text" value="1,500"/>	
Mean Fish Wt	<input type="text" value="350g"/>	<input "<1g"="" type="text" value=""/>	<input type="text" value="850g"/>	<input "<1g"="" type="text" value=""/>	
Next Fallow Date (Site)	<input type="text" value="No plan."/>		Next Input Date (Site)	<input type="text" value="Jan 22"/>	
Recent (last 4 wks) disease problems?			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)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	

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 <i>increased (unexplained)</i> 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 <i>how</i> and <i>when</i> 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:	25/08/2021 - 26/10/2021
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Case No:	2021-0453	Date of visit:	26/10/2021
Site No:	SS0548	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
MOV	27/10/2021		

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0553	DATE OF VISIT	26/10/2021
SITE No	SS0548	SITE NAME	Lamb Holm
CASE No	20210453	INSPECTOR	[REDACTED]

Inspection for export

The above site was visited and a consignment of *Ostrea edulis* larvae for export to the Netherlands was inspected. A health certificate was issued which must travel with the consignment to the destination.

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



Signed:

Date: 27/10/2021

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/>

Case No: 2021-0458 Date of visit: 28/10/2021

Time spent on site: 0min Main Inspector: [Redacted]

Site No: FS0866 Site Name: Loch Garasdale
Business No: FB0235 Business Name: Cooke Aquaculture (Freshwater) Ltd

Case Types: 1 MIX 2 [] 3 [] 4 [] 5 [] 6 []

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

Observations: Region: ST Water type: F CoGP MA

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

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

Additional Case Information:

Inspection conducted remotely only. Site manager has confirmed that medicated feed has not been mixed on site for at least 6 years. Photos were submitted on 26/10/21 of facilities on site. Remote inspection conducted on 28/10/21.

Remote paperwork completed by [REDACTED]

Last EC inspection 22/01/2020

Last treatment conducted in March - Post vaccination Formalin treatment.

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=""/>	Facilities stocked	<input type="text" value=""/>	No facilities inspected	<input type="text" value=""/>
Species	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
Age group	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
No Fish	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
Mean Fish Wt	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
Next Fallow Date (Site)	<input type="text" value=""/>		Next Input Date (Site)	<input type="text" value=""/>	
Recent (last 4 wks) disease problems?	<input type="text" value=""/>		Any escapes (since last visit)?	<input type="text" value=""/>	
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:	Formalin 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"/>	N
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?	<input type="checkbox"/>	N/A

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"/>
2. If yes, are results available for inspection?	<input type="checkbox"/>
3. Any significant results?	<input type="checkbox"/>
If yes, detail (if not detailed under recent disease problems).	

Records checked between:	22/01/2020 - 26/10/21
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Case No: 2021-0458 Date of visit: 28/10/2021
 Site No: FS0866 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
MIX	01/12/2021		