

Case No: 2019-0076 Date of visit: 20/02/2019

Time spent on site: 6 hours Main Inspector: [redacted]

Site No: FS1287 Site Name: Corlarach

Business No: FB0440 Business Name: Grieg Seafood Shetland Ltd

Case Types: 1 ESC 2 [redacted] 3 [redacted] 4 [redacted] 5 [redacted] 6 [redacted]

Water Temp (°C): N/A Thermometer No: [redacted] FHI 045 completed [redacted]

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

Dead/weak/abnormally behaving fish present? N/A If yes, see additional information/clinical score sheet.

Clinical signs of disease observed? N/A If yes, see additional information/clinical score sheet.

Gross pathology observed? N/A If yes, see additional information/clinical score sheet.

Diagnostic samples taken? N/A

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

[redacted]

Case No: **2019-0076** Site No: **FS1287**
 Date of Visit: **20/02/2019** Inspector(s): **[Redacted]**

Registration/Authorisation Details

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

Site Details

Total No facilities	10	Facilities stocked	5	No facilities inspected	0
Species	sal				
Age group	17 S0's				
No Fish	179,243				
Mean Fish Wt	3.5kilos				
Next Fallow Date (Site)	March 2019	Next Input Date (Site)	October 2019		

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **Y**
 If yes, detail: **Suspected escape**

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **28/11/2018**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 6. Are health certificates for introductions (outwith GB) available? **N/A**

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)? **N**
 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? **[Redacted]**
 If other detail: **[Redacted]**
 3. Mortality records complete and correctly entered? **N/A**
 4. Recent mortality (last 4 wks): **[Redacted]**
 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, add MRT case and enter on mortality events sheet. **N/A**

1. Recent treatments (last 4 wks)?	<input type="text" value="N/A"/>
If yes, detail:	<input type="text"/>
If other, detail:	<input type="text"/>
2. Medicines records available for inspection?	<input type="text" value="N/A"/>
3. Are records complete and correctly entered?	<input type="text"/>
4. Are fish in a withdrawal period?	<input type="text" value="N/A"/>
5. If yes, what treatment(s)?	<input type="text"/>
If other, detail:	<input type="text"/>
6. Are medicines stored appropriately?	<input type="text" value="N/A"/>
Biosecurity Records	
1. Biosecurity records available for inspection?	<input type="text" value="Y"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="text" value="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="text" value="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="text" value="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="text" value="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="text" value="Y"/>
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="text" value="Y"/>
8. Have the biosecurity procedures been adequately implemented on site?	<input type="text" value="Y"/>
If no, detail:	<input type="text"/>
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="text" value="N/A"/>
2. If yes, are results available for inspection?	<input type="text"/>
3. Any significant results?	<input type="text"/>
If yes, detail (if not detailed under recent disease problems).	<input type="text"/>
<input type="text"/>	
Records checked between:	<input type="text" value="n/a"/>

Additional Case Information:

Accompanied by [REDACTED]

4/1/19 3 "major" holes discovered by divers and repaired with large patches. Major hole defined as being big enough for a person to swim through. Actual size of hole was not recorded. Because of a crossover of holidays and it being a weekend potential escape was not reported until the 6th. However only a 12cm hole was reported at the time. New Diving supervisor on duty at the time so didn't know about reporting procedure.

6/1/19 many small holes repaired by the divers (small described as being able to put your hand through) no actual size recorded in dive reports. Potential escape reported to the FHI. 12cm hole reported. Divers went back in due to presence of a seal.

9/1/19 5 holes, two large and 3 medium were discovered when pre checks for pen lifting was occurring. The holes were then repaired by the divers at the time.

11/1/19 after a passive grader was put in the pen. A panel sweep net was used to catch the spurdogs in the lifted net. After sweeping 3 times the site guys used hand nets to remove the spurdogs from the lifted pen. The site manager estimated that there could have been around 3000 spurdogs removed from the pen. The spurdogs were estimated to be between 3 and 6 kilos.

By the 15th all salmon had been removed from the pen and moved to Leinish, The fish were not counted when moved with wellboat it was just a straight uplift. No fish suspected to have escaped due to the fact that their appetite had not changed and same amount of food was being consumed.

Plans for the future. Pricing up dyneema nets, predator nets and seal pro nets to prevent spur dogs chewing through the nets in the future.

Discussion on-going as to whether site should be stocked in the future or possibly reducing the amount of fish on site (i.e. stocking north end of the grid away from where the spurdogs appeared before)

Managers and company in on-going talks in how to best prevent this problem occurring again in the future.

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0440	DATE OF VISIT	20/02/2019
SITE No	FS1287	SITE NAME	Corlarach
INSPECTOR	[REDACTED]	CASE No	20190076

The site was inspected following notification of circumstances which gave rise to a significant risk of escape of Atlantic Salmon on the 6/1/19 (Marine Scotland escape incident number MSe060119SAL1).

The visit consisted of an inspection of records and the provision of advice as the facilities could not be inspected due to adverse weather conditions. Subsequently, the site was inspected as fallow on 28/03/19 (Case number 20190137).

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.

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

During the inspection it was noted that two additional potential escape incidents had not been reported, this was discussed with the site manager who subsequently submitted initial notifications for these incidents.

Due to the timeframe of the escape investigation the following issues were noted as resolved:

a) Inspection of i) escape incidents and ii) contingency procedures

Following the reported containment issues a review was undertaken of the site specific escapes contingency plan and the procedures in place for the reporting of an escape or suspected escape to relevant stakeholders as required by the Code of Good Practice for Scottish Finfish Aquaculture (CoGP) Chapter 4, points 4.34 and 4.37 and regulation 31D of The Aquatic Animal Health (Scotland) Regulations 2009 (as amended), allowing the site to meet the requirement of current Scottish industry best practice.

b)i) Inspection of records relating to equipment, facilities and the site

Following the reported containment issues a review was undertaken of the nets in use and their system of deployment and weighting to mitigate against predator interaction in accordance with CoGP Chapter 4, point 5.8, allowing the site to meet the requirement of current Scottish industry best practice.

b)ii) Inspection of records relating to training

Following the changes in procedures and contingency plans identified by the reviews undertaken, staff received documented training in the updated procedures as required by the CoGP Chapter 7, point 1.8 and Chapter 4, point 1.6 to ensure the site meets the requirement of current Scottish industry best practice.

b)iii) Inspection of records relating to procedures and risk assessments

Due to the nature of the potential escape incidents the operator reviewed the predator risk assessment and implemented revised procedures to mitigate against damage caused by predator interaction in accordance with the CoGP Chapter 4 points 4.26 and 5.32 meeting the requirement of current Scottish industry best practice.

c) Inspection of site and site equipment

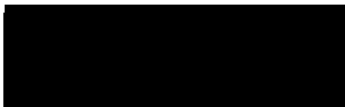
The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

d) Inspection of site specific procedures

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

Please do not hesitate to contact myself or the duty inspector should you require any further information or have any queries regarding this report.

Signed:



Fish Health Inspector

Date: 31/08/2021

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