

Case No: 2023-0246 Date of visit: 07/06/2023

Time spent on site: 1 hour Main Inspector:

Site No: FS1067 Site Name: Inverawe (East) Etive 2
Business No: FB0456 Business Name: Dawnfresh Farming Ltd

Case Types: 1 REP 2 REG 3 4 5 6

Water Temp (°C): 13.12 Thermometer No: Site FHI 045 completed

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

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:

Additional Case Information:

Business reported unexplained increased mortality for wk 22 2023. Site inspection was scheduled for 07/06/2023.

During site inspection, only two pens were stocked on site which were both experiencing increased mortality in week 22. Following the inspection of stock, no moribund fish were observed. Fish were observed feeding well and no clinical signs of disease were seen so no fish were removed for further inspection. Fish in these two pens have been placed on starve to reduce stress and see if this lowers mortality.

Site had deployed data loggers, measuring DO and temperature since wk 22. Trends in data showed that DO drops to ~71% over night. In addition, from the plankton trawls conducted, there are no signs of harmful algae currently involved in unexplained mortalities. Visibility in the loch is currently limited to 3m however.

Diagnostic sampling has been conducted on site to establish reason for mortalities experienced in wk22 - on day of inspection, still awaiting results. Health visits are usually conducted weekly, but have increased following the issues experienced on site.

Temperature recorded on site: 13.12C

Case No: **2023-0246** Site No: **FS1067**

Date of Visit: **07/06/2023** Inspector(s): **[REDACTED]**

Registration/Authorisation Details

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

Site Details (include cleaner fish for all sections)

Total No facilities	6	Facilities stocked	2	No facilities inspected	
Species	RTR				
Age group	2022				
No Fish	39,492				
Mean Fish Wt	1.02kg				
Next Fallow Date (Site)	December 2023	Next Input Date (Site)	January 2024		
Recent (last 4 wks) disease problems?		Y	Any escapes (since last visit)?		
If yes, detail: Unexplained mortality observed on site wk 22 2023. See mortality records section and additional info detail					

Movement Records

- 1. Movement records available for inspection?
- 2. Date of last inspection: **05/10/2022**
- 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? **Biogas - Barkip**
- If other detail: **whole fish is put into skip, billy bowie and then taken away (usually monthly), go to barkip biogas**
- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks): **2023: Wk 22, 3830, 8.56%; Wk 21, 30, 0.07%; Wk20, 0.02%, 32; Wk19,**
- 5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason: **pen 5 and 6- reason unknown**
- 6. Any other peaks in mortality during period checked?
- If yes, detail: **[REDACTED]**
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action: **Wk22, 3830, 8.56% samples taken FHI notified**
- 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 *increased (unexplained)* mortality at the site been included?

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

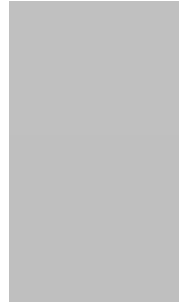
2. If yes, are results available for inspection?

3. Any significant results?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

05/10/2022-07/06/2023



6

N
for more

Y
Y
Y
Y
Y

Y

Y
,392, 0.17%
Y

N
Y
Y

N
Y
Y
N
Y
Y
Y
N

Case Number:	2023-0246	Site No:	FS1067	Insp:	
Date of Visit	07/06/2023	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	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	2
	Sites sharing staff and equipment	0	1	2	0
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	39 HIGH

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0456	DATE OF VISIT	07/06/2023
SITE No	FS1067	SITE NAME	Inverawe (East) Etive 2
CASE No	20230246	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 every 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 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.

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

Signed:



Fish Health Inspector

Date: 09/06/2023

R10

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

R04

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Website - www.gov.scot/Topics/marine/science