

Case No:	2024-0446	Date of visit:	19/11/2024			
Time spent on site:	2 hours	Main Inspector:				
Site No:	FS1362	Site Name:	Applecross Smolt Unit 2			
Business No:	FB0169	Business Name:	Bakkafrost Scotland			
Case Types:	1 REP	2 WEL	3	4	5	6
Water Temp (°C):		Thermometer No:		FHI 045 completed	N/A	
Observations:	Region:	HI	Water type:	F	CoGP MA:	
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?	N					

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

**Additional Case Information:**

Site visit conducted accompanied by APHA vet following reports of significant mortalities.

Ongoing Saprolegnia infection. Salinity increased from 5ppt to 9ppt to help mitigate the issue, and mortalities are finally dropping (5.2% in week 47 - updated 25/11/2024). The fish are currently on starve as some are due to be moved to FS1360 next week, this will help by reducing the biomass in the unit.

Mortalities have been ongoing since the end of September, when a communication failure within the ozone system resulted in too much ozone being released into the tanks and compromising the gill health of the fish (Tank 1, Jan 2024 stock). The system has since been upgraded and the site now operates on 24 hour cover, with staff working a night shift. Ozone handheld probes are also used in addition to the automated system.

2 weeks later, fish were transferred from Kinlochmoidart Hatchery (Nov 2023 stock) with a pre-existing fungus problem, these are the fish that are currently still battling the Saprolegnia infection.

During the inspection the water in the tanks appeared very turbid, due to the ozone extractor fan being switched off for the past 24 hours for a repair. The majority of the population appeared healthy, no feeding response could be observed as the fish were on starve. Several moribund fish (mostly runts) could be seen swimming in tanks 3 and 4, 10 were removed and examined internally. No gross pathology was observed and therefore no further fish were removed for diagnostic sampling.

Site thermometer used due to biosecurity, thermometers are regularly checked against a mercury thermometer. The site temperature was 12.9 degrees.

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Inspector(s):

**Registration/Authorisation Details**

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

Y
N

**Site Details (include cleaner fish for all sections)**

Total No facilities	4	Facilities stocked	4	No facilities inspected	4
Species	SAL	SAL	SAL		
Age group	Nov-23	Dec-23	Jan-24		
No Fish	522,294	368,160	231,478		
Mean Fish Wt	123g	65g	52g		
Next Fallow Date (Site)	Ongoing production		Next Input Date (Site)	WB 25/11/24	
Recent (last 4 wks) disease problems?			Y	Any escapes (since last visit)?	N
If yes, detail:	Saprolegnia.				

**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?

Y
08/11/2023
Y
Y
Y
N/A

**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:

Other (detail)

Whole fish - Billie Bowie.

Wk 46 - 174,607 (13.47%), wk 45 - 111,597 (7.93%), wk 44 - 104,260 (11.32%), wk 43 - 25,118 (2.57%).

See additional info.

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.

N

N/A

Y

**Treatments and Medicines Records**

1. Recent treatments (see comment)?

Y

If yes, detail:

Tricaine

If other, detail:

2. Medicines records available for inspection?

Y

3. Are records complete and correctly entered?

Y

4. Are fish in a withdrawal period?

N

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Y

**Biosecurity Records**

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?

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

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

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

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

If no, detail:

**Results of Surveillance**

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

Y

2. If yes, are results available for inspection?

Y

3. Any significant results?

N

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

Records checked between:

08/11/2023 - 19/11/2024

Case No: 2024-0446

Date of visit: 19/11/2024

Site No: FS1362

Inspector: [REDACTED]

[illegible][illegible]



# FISH HEALTH INSPECTORATE VISIT REPORT

## SUMMARY FOR INFORMATION OF SITE OPERATOR

<b>BUSINESS No</b>	FB0169	<b>DATE OF VISIT</b>	19/11/2024
<b>SITE No</b>	FS1362	<b>SITE NAME</b>	Applecross Smolt Unit 2
<b>CASE No</b>	20240446	<b>INSPECTOR</b>	[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, following a report of increased mortality by the farm operator. The inspection was conducted in conjunction with a veterinary officer from the Animal and Plant Health Agency (APHA). A separate report will be issued by the Animal and Plant Health Agency.

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

### Records

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

Medicine records were inspected and found to be adequately maintained.

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

R04



Scottish Government  
Riaghaltas na h-Alba  
gov.scot

Signed:



Date: 26/11/2024

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at [Fish Health Inspectorate Service Charter - gov.scot \(www.gov.scot\)](https://www.gov.scot/policies/fish-health-inspectorate/)

R04

UKAS Accredited Inspection Body - Type C No. 0269  
Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB  
Tel – 0131 244 3498 Email – [ms.fishhealth@gov.scot](mailto:ms.fishhealth@gov.scot)  
Website – <https://www.gov.scot/policies/fish-health-inspectorate/>