

Case No: 2024-0002 Date of visit: 26/02/2024

Time spent on site: 2 hours Main Inspector: [Redacted]

Site No: FS0552 Site Name: St Mungos
Business No: FB0456 Business Name: Dawnfresh Farming Ltd

Case Types: 1 ECI 2 CNI 3 4 5 6

Water Temp (°C): 7.6 Thermometer No: T155 FHI 045 completed

Observations: Region: TA Water type: F 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:

Imports 11/1/24 RTR OVA 100000 USA Trout Lodge Bonny Lake

Imports 2023 RTR Ova USA trout Lodge 12/1/23, 16/3/23, 15/6/23, 17/8/23, 23/11/23

Fish held on site until 2g then moved to Frandy. RTFS is usually an issue at Frandy but not at St Mungos. Next input March from Trout Loge USA.

Gut fungus an issue in every batch (saprolegnia) - treated with pyceze in feed mix under script with 500 0days withdrawal. Feed mixed at St Mungos. Issue appears 2 weeks after first feeding. Fish checked weekly and filaments are observed in gut. Last treatment 8/1/24. Update 15.3.24 discussion with site manager establish fed mixing was carried out at Frandy. Prescription supplied.

Morts are ensiled at Frandy and ensiled material disposed of at Gask Farm, Turriff.

Water supply is Borehole.

Two inputs currently on site. November input and Jan input which hatched about 1 month ago.

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="17"/>	Facilities stocked	<input type="text" value="9"/>	No facilities inspected	<input type="text" value="17"/>
Species	<input type="text" value="RTR"/>	<input type="text" value="RTR- alvins"/>			
Age group	<input type="text" value="23Nov input"/>	<input type="text" value="24 Jun input"/>			
No Fish	<input type="text" value="85,341"/>	<input type="text" value="86,999"/>			
Mean Fish Wt	<input type="text" value="1.28g"/>	<input type="text" value="0.08g"/>			
Next Fallow Date (Site)	<input type="text" value="no fallow"/>		Next Input Date (Site)	<input type="text" value="March ova trout lodge"/>	
Recent (last 4 wks) disease problems?			<input checked="" type="text" value="Y"/>	Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value="gut fungus"/>				

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)? Y
 If yes, detail:
- 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? Y
- 5. If yes, what treatment(s)?
- If other, detail:
- 6. Are medicines stored appropriately? Y

Biosecurity Records

- 1. Biosecurity records available for inspection? Y
- 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y
- 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? 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 *how* and *when* that will be notified to Scottish Ministers? 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)? 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.)? Y
- 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y
- 8. Have the biosecurity procedures been adequately implemented on site? Y
- 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:

Case Number:	2024-0002	Site No:	FS0552	Insp:		
Date of Visit	26/02/2024	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	18
	Number of suppliers	0	5	10	14	5
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				0
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		
	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		0
	Sites sharing staff and equipment	0	1	2		
Disinfection of equipment between sites, use of footbaths etc	Yes	0				
	No	1				
CoGP/Regulator						
Practices in accordance with regulator or industry code of practice	Yes	0				
	No	3				0
Platform access to cages	Yes	0				0
	No	2				
Total Rank					39	HIGH

Case No: 2024-0002

Site No: FS0552

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
inside
- If other, detail below:
Graham pest control
- 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	26/02/2024
SITE No	FS0552	SITE NAME	St Mungos
CASE No	20240002	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.

Records in relation to aquaculture animals transported by the business were inspected and found to be adequately maintained.

Mortality records were inspected and found to be adequately maintained. No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

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

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

Medicine records were inspected and found to be adequately maintained.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

R04

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: 22/03/2024

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/resources/consultations-petitions-and-statements/fish-health-inspectorate-service-charter/)

R04

Case No: 2024-0003 Date of visit: 27/02/2024

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

Site No: FS0258 Site Name: Abbey St Bathans Trout Farm
Business No: FB0127 Business Name: Abbey St Bathans Trout Farm

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

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

Observations: Region: BO 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:

Site fallow since June 2023. Raceways and tanks drained and SEPA abstraction licence relinquished.

Site operator did not appear for visit. Site inspected and all raceways drained. Movement book inspected and no inputs since last FHI inspection 14/10/21. Last input 5/10/21 195000 @35g RTR Northern Trout Browell.

Paperwork to inactivate will be forwarded by email to site operator. Authorisation amendment form emailed 13/3/24.

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0127	DATE OF VISIT	27/02/2024
SITE No	FS0258	SITE NAME	Abbey St Bathans Trout Farm
CASE No	20240003	INSPECTOR	[REDACTED]

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

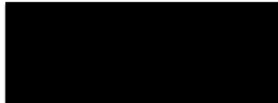
The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

On this occasion, the site was found to be fallow.

Following a conversation with the site operator it was concluded that the site had been fallow since June 2023 and was not going to be used in the foreseeable future. The site will be inactivated and documents to complete the inactivation of the site were emailed on 13/03/24. These have not been returned so are attached along with this report. Please could you look over the authorisation amendment form and if in agreement sign and return. Any queries please let me know.

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

Signed:



Date: 09/04/2024

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](https://www.gov.scot/policies/fish-health-inspectorate/) (www.gov.scot)

R04

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: WI Water type: S CoGP MA: W-6

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:

Site inspected during a spell of heavy snow fall, sea state was calm.

A strong healthy population of fish were observed in each stocked facility, shoaling well. Approximately 10 - 20 moribund were observed in each pen. The site are currently clearing moribund following a prolonged spell of increased mortality earlier this production cycle. Of the moribunds observed, lesions to the flanks and heads were present. Lice levels appeared low.

This production cycle of fish at Trilleachan Mor sustained a severe and prolonged spell of mortality In October and November of 2023. Mortality on site was attributed to a range of factors including environmental damage, AGD, bacterial infection and treatment loss. Mortality on site in December and January has significantly improved and the site has seen a great feeding response from the fish.

The most recent company fish health visit reported some signology suggestive of moritella and CMS.

3 fish were removed for diagnostic sampling, the site was previously inspected and diagnostic samples taken on 21/11/2023.

Fish sampled for VMD appeared health both internally and externally.

Cleanerfish mortality : Lumpfish - Week 5 (373, 0.4%), Week 4 (72, 0.09%), Week 3 (253, 0.33%), Week 2 (596, 0.77%).

Cleanerfish mortality : Wrasse - Week 5 (243, 1.26%), Week 4 (38, 0.2%), Week 3 (147, 0.75%), Week 2 (190, 0.97%).

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="5"/>	Facilities stocked	<input type="text" value="4"/>	No facilities inspected	<input type="text" value="5"/>
Species	<input type="text" value="SAL"/>	<input type="text" value="LUM"/>	<input type="text" value="WRS"/>		
Age group	<input type="text" value="2023 Q1"/>	<input type="text" value="2023"/>	<input type="text" value="2023"/>		
No Fish	<input type="text" value="187,623"/>	<input type="text" value="76,739"/>	<input type="text" value="19,289"/>		
Mean Fish Wt	<input type="text" value="3.6kg"/>	<input type="text" value="60g"/>	<input type="text" value="300g"/>		
Next Fallow Date (Site)	<input type="text" value="10/2024"/>		Next Input Date (Site)	<input type="text" value="09/2025"/>	
Recent (last 4 wks) disease problems?			N	Any escapes (since last visit)?	<input type="text" value="N"/>
If yes, detail:	<input type="text" value=""/>				

Movement Records

1. Movement records available for inspection?

2. Date of last inspection:

3. Are records complete and correctly entered?

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

5. Are records complete and correctly entered?

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

Transport Records

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

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

Mortality Records

1. Mortality records available for inspection?

2. How are mortalities disposed of?

If other detail:

3. Mortality records complete and correctly entered?

4. Recent mortality (last 4 wks):

5. Evidence of recent increased/atypical mortalities?

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

6. Any other peaks in mortality during period checked?

If yes, detail:

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

If yes, detail action:

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

Treatments and Medicines Records

1. Recent treatments (see comment)?	<input type="checkbox"/>	Y
If yes, detail:	T.M.S	
If other, detail:	Aquatet	
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:	Aquatet	
6. Are medicines stored appropriately?	<input type="checkbox"/>	Y

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	<input type="checkbox"/>	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	<input type="checkbox"/>	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>	Y
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	<input type="checkbox"/>	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>	Y
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>	Y
If no, detail:		

Results of Surveillance

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

Records checked between:	31/05/2022 - 07/02/2024
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Case no: Site No: Date of visit/
Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	F1	F2	F3									
Fish nos	1	2	3	4	5							
Pool Group												
Species	SAL	SAL	SAL	SAL	SAL							
Average weight	3.6kg	3.6kg	3.6kg	3.6kg	3.6kg							
Sex	N/A	N/A	N/A	N/A	N/A							
Water Type	SW	SW	SW	SW	SW							
Stock Details		Seaforth (FS1042)	Seaforth (FS1042)	Seaforth (FS1042)	Seaforth (FS1042)	Seaforth (FS1042)						
	Stock Origin											
Facility No	4	4	4	4	3							

Case no: 2024-0024

Site No: FS1118

Method of killing: Percussive

Date of visit: 07/02/2024

Inspector(s):

Sheet Relevant: Y

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

Fish Number		F1	F2	F3										
Time sampled after death (if > 45 minutes)														
External Signs														
Behaviour	Moribund	S	S	S										
	Lethargic	S	S	S										
	Hanging vertical													
	Spiralling													
	Flashing													
Body	Loss of equilibrium													
	Dark													
	Distended abdomen													
	Anorexic													
Opercula	Scale Oedema													
	Shortened													
Haemorrhaging	Flared													
	Throat													
Eyes	Ventrum													
	Base of fins													
	Elsewhere													
	Exophthalmic		W											
Gills	Enophthalmic (sunken)													
	Cataract													
	Haemorrhagic													
Lesions	Pale		M	W										
	Zoned													
	Necrotic													
Vent	Flank	S												
	Elsewhere		S											
Lice Load	Inflamed													
	Trailing faeces													
Internal Signs	Estimate numbers		4	7	1									
	Clear	W	W	W										
Oedema	Bloody													
	In tissues													
Liver	Pale/anaemic													
	Granulomas													
	Deformed													
Pyloric caeca	Petechial haem													
	Gross haem													
	Tissue breakdown													
	Enlarged													
Spleen	Colour number(s)		4	4	7									
	Granulomas													
	Lesions													
Gut	Petechial haem													
	Tubules mauve													
Swim bladder	Lack of fat													
	Enlarged													
	Granulomas													
Kidney	No food present													
	Yellow pseudo-faeces	W	W											
General	External haem													
	Internal haem													
	Haemorrhaging													
Body wall	Haemorrhaging													
	Fluid filled													
	Swollen													
	Grey													
Kidney	Granular													
	Liquefied													
	Parasites present													
General	Anaemia													

Additional comments:

Case Number:	2024-0024	Site No:	FS1118	Insp:		
Date of Visit	07/02/2024	No of movements/supp./dest.			Score	
Live fish movements		0	1-5	6-10	>10	
Movements on (from out with GB) of susceptible species	Frequency of movements on from equivalent MS	0	5	10	14	0
	Frequency of movements on from equivalent zone or compartment including third country	0	9	18	26	0
	Number of suppliers	0	5	10	14	0
Movements off	Frequency of movements off	0	3	6	10	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				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					20	MEDIUM

Case No: **2024-0024**

Site No: **FS1118**

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)

Seal Pro nets, Top 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: 2024-0024

Site No: FS1118

Date of Visit: 07/02/2024

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?



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO	FB0119	DATE OF VISIT	07/02/2024
SITE NO	FS1118	SITE NAME	Trilleachan Mor
CASE NO	20240024	INSPECTOR	[REDACTED]

Section 1: Summary

During a routine fish health inspection of the site, clinical signs of disease were observed. Three fish were removed for diagnostic sampling.

Histopathological examination revealed bacterial ulcerative lesions on the skin, very mild proliferative branchitis and mild myocarditis.

All fish sampled tested positive for *Paranucleospora theridion* by qPCR.

Moritella viscosa was identified on plates taken from skin lesion and gill material. There was no evidence of the presence of this bacterium in the internal organs of the fish tested, however, due to the level and purity of growth in the lesion and gills, and as a primary fish pathogen, it would be implicated as a risk to fish health and as the primary cause of the lesions tested.

Vibrio sp. was identified on a plate taken from kidney material of F2. The level and purity of growth would not suggest that 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

Trilleachan Mor sustained a prolonged period of increased mortality earlier this cycle, peaking in weeks 45 (54,755 9.93%) and week 46 (77,987 15.7%) of 2023. Mortality at this time was being attributed to a combination of issues including amoebic gill disease (AGD), proliferative gill disease (PGD), treatment losses and bacterial infection. Diagnostic samples were taken by the FHI in week 47 2023, case number 20230530. Since then, mortality levels on site have significantly improved.

During a routine EC inspection of the site on 07/02/2024, fish displaying clinical signs of disease were observed and three fish were removed for diagnostic sampling. At the time of visit the site was stocked with 187,623 Atlantic salmon at an average weight of 3.6Kg.

During the inspection of the stocks, approximately 10 – 20 moribund and lethargic fish were observed in each pen. Many of the moribund fish presented with lesions to the flanks and head. At the time of inspection, lice levels appeared to be low.

All fish removed for sampling presented as moribund prior to sampling. Externally, the gills of F2 and F3 were pale and the eyes of F2 were exophthalmic. F1 had a large lesion to its flank and F2 had a lesion to its head.

R09

Internally, clear ascites was observed within the body cavity of all fish sampled. The liver of F3 was dark and yellow pseudo-faeces was observed within the gut of F1 and F2.

Samples

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

Fish number	Facility number	Species	Stage	Origin
F1 – F3	4	Atlantic salmon	2023 Q1 3.6Kg	Seaforth (FS1042)

Results

Bacteriology: Kidney and gill material from F1 – F3 and lesion material from F1 – F2 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- *Moritella viscosa*: F1, F2 (Lesion and Gill) & F3 (Gill).
- *Vibrio* sp.: F2 (Kidney).

From the tests conducted, there was no evidence of resistance to amoxicillin, oxytetracycline, sulphamethoxazole/trimethoprim or florfenicol.

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

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

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

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.27	33.67	33.73	33.62	POSITIVE
F2	20.50	32.71	32.94	33.43	POSITIVE
F3	20.34	33.14	33.08	32.96	POSITIVE

The samples tested negative for *Neoparamoeba perurans* (AGD).

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1 – F3. The tissue samples were fixed in 10% neutral buffered formalin.

R09

Histopathological examination revealed the following:

Gill: Lamellar hyperplasia and fusion, mild, multifocal (F2) and some tip clubbing observed in F3. Some multifocal epithelial lamellar thickness (F3). Some aneurysmal dilation/telangiectasia (F1-F3) and some cellular debris among gill filaments (F1).

Skin & Muscle: F1 lesion: Absence of the epidermis, oedema of dermis and mixed Gram-negative bacteria at the dermal outer layer and within dermis (F1, F2), foci haemorrhage and some to moderate inflammatory cell infiltrated in hypodermis (F1, F2).

Heart: Very mild to mild multifocal myocarditis (F2, F3). Ranging from mild to marked epicarditis (F1-F3). F2 displayed several thrombi.

Gut and pyloric caeca: Peritonitis, very mild to mild, multifocal (F1-F3).

Pancreas: Within the normal range.

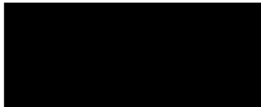
Liver: Foci hepatocellular vacuolation (macrovesicles), ranging from focal to diffuse, mild (F1, F3).

Kidney: Within the normal range.

Spleen: Slightly congested (F1) and F2 displayed several foci of congestion and inflammation.

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: 26/03/2024

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/)

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0119	DATE OF VISIT	07/02/2024
SITE No	FS1118	SITE NAME	Trilleachan Mor
CASE No	20240024	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.

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 Directorate 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.

R25

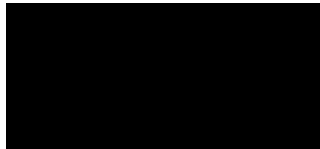
Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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:



Fish Health Inspector

Date: 15/02/2024

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/)

F1





F2









F3







Case No: 2024-0030 Date of visit: 28/02/2024

Time spent on site: 2 hours Main Inspector: [Redacted]

Site No: FS0614 Site Name: Hollywood Breeding Centre
Business No: FB0572 Business Name: AquaGen Scotland Ltd

Case Types: 1 ECI 2 CNI 3 4 5 6

Water Temp (°C): 4 Thermometer No: T155 FHI 045 completed

Observations: Region: DG Water type: F 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:

Input of broodfish next week from Loch Eribol. Next output 1/3/24 to Barcaldine. Stripping season ranges from August until January. All stocks on site leave as ova. Trialling the movement of green eggs to Barcaldine egg unit.

Treatments - ova; Formalin (aquacen) 3 times a week at 500ppm. Broodfish last treatment 22/12/23 - Formalin.

Stripping season 2023/24; 26/9/23-9/1/24 - 42 252 500 ova

Brood fish morts 25/9/23 to date; 64 morts. Ova mortality this season has been as expected ranging from 20-25% including culls per batch.

Water supply from borehole at 10.8C. Ova are chilled to 4 or 8C depending on requirements.

ova only on site prior to hatch - culls of non viable eggs average 20-25% per batch laid to moving off site prior to hatch. 3 ova batches sorted on 28/2/24; 2,482,729 living count 841,910 culled/dead

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="15"/>	Facilities stocked	<input type="text" value="1 hatchery"/>	No facilities inspected	<input type="text" value="15"/>
Species	<input type="text" value="SAL"/>				
Age group	<input type="text" value="ova"/>				
No Fish	<input type="text" value="24,073,014"/>				
Mean Fish Wt	<input type="text" value="<0.1g"/>				
Next Fallow Date (Site)	<input type="text" value="none"/>	Next Input Date (Site)	<input type="text" value="next week"/>		
Recent (last 4 wks) disease problems?	<input type="text" value="N"/>		Any escapes (since last visit)?	<input type="text" value="N"/>	
If yes, detail:	<input type="text" value=""/>				

Movement Records

- 1. Movement records available for inspection?
- 2. Date of last inspection:
- 3. Are records complete and correctly entered?
- 4. Are movement records available for dead fish and waste?
- 5. Are records complete and correctly entered?
- 6. Are health certificates for introductions (outwith GB) available?

Transport Records

- 1. Are any movements carried out by (or on behalf) of the business (not using a STB)?
- If yes, is there a system in place for maintenance of transportation records?

Mortality Records

- 1. Mortality records available for inspection?
- 2. How are mortalities disposed of?
- If other detail:
- 3. Mortality records complete and correctly entered?
- 4. Recent mortality (last 4 wks):
- 5. Evidence of recent increased/atypical mortalities?
- If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked?
- If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.

Treatments and Medicines Records

- 1. Recent treatments (see comment)? Y
 If yes, detail:
- 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? Y
- 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y
- 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? 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 *how* and *when* that will be notified to Scottish Ministers? 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)? 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.)? Y
- 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y
- 8. Have the biosecurity procedures been adequately implemented on site? Y
 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:

Case Number:	2024-0030	Site No:	FS0614	Insp:		
Date of Visit	28/02/2024	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	
Movements off	Frequency of movements off	0	3	6	10	10
	Number of destinations	0	3	6	10	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				0
	Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion	1	2	4		
	Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion	1	3	6		
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion	1	4	8		
Management practices		None	Secure	Unsecure		
Water contacts with processors	Any processing plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm processing	0				
	Processing own fish (re-cycling risk)	1				1
	Processing fish from MS of equivalent status	2				
	Processing fish from zone or compartment of equivalent status	4				
	Processing fish from Category III farm	8				
	Processing fish from Category V farm	10				
Disposal of fish and fish by-products	Site's own waste only processed.	0				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		
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					21	MEDIUM

Case No:

Site No:

Sea Lice Inspection (Seawater Sites Only)

1. Has the site experienced sea lice problems in the previous 4 years?
2. Is the CoGP Farm Management Area (or equivalent) 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?
2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

Indoors
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)

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0572	DATE OF VISIT	28/02/2024
SITE No	FS0614	SITE NAME	Hollywood Breeding Centre
CASE No	20240030	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 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.

Records in relation to aquaculture animals transported by the business were inspected and found to be adequately maintained.

Mortality records were inspected and found to be adequately maintained. No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

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

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

Medicine records were inspected and found to be adequately maintained.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

On this occasion the site was found to be satisfactory.

R04

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: 22/03/2024

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/resources/consultations-petitions-and-statements/fish-health-inspectorate-service-charter-2023-2025/)

Case No: 2024-0050 Date of visit: 27/02/2024

Time spent on site: 2 hours Main Inspector:

Site No: FS1242 Site Name: Orkney
Business No: FB0544 Business Name: Scotland

Case Types: 1 PPI 2 3 4 5 6

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

Observations: Region: OR Water type: B 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:

Additional Case Information:

Cooke Aquaculture Kirkwall Processing Plant Inspection

Case number: 2024 0050

Inspector: [REDACTED]

Date of Visit: 27/02/2024

The Cooke Aquaculture processing plant at Kirkwall was inspected to determine the bio-security measures in place to allow the processing of Atlantic salmon (SAL) from sites subject to movement restrictions for bacterial kidney disease (BKD).

The visit consisted of an inspection of facilities, a review of the procedures and biosecurity to process the salmon and the authorised processing establishment checklist was also completed.

Deliveries of salmon arrive to the processing plant via tankers. "No unauthorised personnel" signage is present at both entrances to the site (delivery yard and reception entrances) with "Wear correct PPE" signage at the yard entry. The yard is bunded with sloping concrete towards a central drain. Two other drains are also present in the yard to collect any additional liquid waste. These drains lead directly to the effluent treatment/filtration system.

Tankers reverse up to the building where the load can be emptied into a holding tank. A pipe can be connected to the tanker to allow water to flow into the holding tank. Water in the holding tanks will be kept as close to 2 degrees C as possible.

After unloading the tankers are cleaned with pressure washers and disinfected using Topactive 314 5-7% CT 20 Mins and Triquart MS 1-2% CT left on surface. Final Disinfection to wheels with Virkon at the recommended 1% and left on the wheels. Currently tankers are only fully disinfected after the last delivery by that tanker for the day however the plant are more than happy to fully disinfect vehicles after each delivery if that is required.

Access to the primary processing area is restricted via locked, coded doors. Clean PPE is used for each shift with hand wash stations and footbaths on entry and exit. The salmon are lifted via a conveyor belt and then separated into 3 processing lines – two using gutting machines and one manual gutting line. All viscera are kept in a closed loop ensiler system, dosed with formic acid with daily checks of the PH to keep it between 3-4pH. Currently this waste goes to Pelagia biogas plant in Bressay however for fish subject to movement restrictions for BKD, this waste will be transported to Dundas chemicals to be incinerated along with any fish deemed unsuitable for processing. After processing fish are graded and boxed with labels and ice added to the boxes before packaging is complete and boxes placed on pallets ready to be transported. The whole processing plant is cleaned and disinfected at the end of each day. The processing plant will only process from the site subject to movement restrictions on Tuesdays and Thursdays. Fish are transported and processed from one site only at a time.

The effluent treatment system is separate to the processing area and is fully bunded. Influent is filtered through a 300 µm belt filter into a settlement tank then through a 50 µm drum filter. The output water is then sent to Scottish Water for treatment.



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	FB0544	DATE OF VISIT	27/02/2024
SITE No	FS1242	SITE NAME	Orkney
CASE No	20240050	INSPECTOR	██████████

PROCESSING FACILITY INSPECTION

An inspection of the above facility was made in accordance with the Aquatic Animal Health (Scotland) Regulations 2009 to assess the measures in place for the processing of fish harvested from aquaculture sites subject to control measures for bacterial kidney disease.

An inspection of all work areas was conducted. The operation of the facility was deemed satisfactory for the routine processing of fish from aquaculture sites subject to control measures for bacterial kidney disease (BKD). However, improvements would be required prior to the facility being authorised to process fish subject to disease control measures for other listed diseases as required by regulation 7 of the Aquatic Animal Health (Scotland) Regulations 2009 (the 2009 Regs).

Prior to authorisation as a processing establishment by the competent authority under the 2009 Regs, for the site to process fish subject to disease control measures (for listed diseases, other than BKD), the following areas require further investigation and/or improvement:

- Contingency plans to deal with a breach of the biosecurity systems at the processing establishment will need to be developed and followed.
- Procedures for the immediate notification of the Scottish Ministers in the event of a breach in biosecurity at the processing facility are not currently in place and will need to be developed and followed.
- All effluent from the processing plant must be suitably filtered and disinfected prior to discharge.
- The disinfectant used on any effluent wastewater must be effective against listed pathogens and auditable records of their use should be maintained.
- Biosecurity of vehicles entering the facility including disinfection should be implemented and auditable records of this should be maintained.
- Staff training in the recognition of clinical signs of listed diseases

Details of the process of applying for authorisation with Marine Scotland are available at:

[Aquaculture Processing Establishment \(APE\): forms and guidance - gov.scot \(www.gov.scot\)](https://www.gov.scot/resources/consultation-published/aquaculture-processing-establishment-ape-forms-and-guidance). Should Cooke Aquaculture Scotland Ltd. wish to seek authorisation for the Kirkwall processing facility in accordance with the Aquatic Animal Health Regulations 2009, please contact the Fish Health Inspectorate.

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

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