

Case No:	2025-0408	Date of visit:	29/10/2025			
Additional inspector(s):		Main Inspector:				
Site No:	FS1042	Site Name:	Seaforth			
Business No:	FB0119	Business Name:	Mowi Scotland Ltd			
Case Types:	1 DIA	2 REP	3	4	5	6
Water Temp (°C):	11.3	Thermometer No:	T309	FHI 045 completed	N/A	
Observations:	Region:	WI	Water type:	S	CoGP MA:	W-6
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.				
Post mortem signs observed?	Y	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?	Y					
UNI/REG only - if unable to carry out intended visit detail reason below:						

Additional Case Information:

Site visited in response to reports of increased mortality at the site. Seaforth have reported over the 1% mortality threshold at the site between 22/09/25 - 12/10/2025. HSMI and unstable oxygen conditions have been the main drivers for mortality. Company Vet also identified *Pasteurella Skyensis* on 6/10/2025. Some Gill pathology has also been identified between 6th October and 17th October with elevated levels of AGD and PGD noted. Mortality has reduced significantly following treatments but some low level mortality is still presenting in stocks.

Following the increase in mortality at the site, a FW + FLS treatment was conducted between 14/10/2025 - 18/10/2025. Immediately following the FW + FLS an infeed antibiotic treatment (Flofenicol) was administered which was fully completed by 25/10/2025. The site also treated with slice during the week beginning 21/08/2025.

Mortality on site has mainly occurred within pens 5, 6, 7, 8, 10 and 12. During the inspection of the site, moribund fish were clearly visible with approximately 50 - 100 per pen observed in 7, 8, 10 and 12. A healthy population of fish was also clearly visible where the bulk of the population were observed shoaling well and responding positively to routine feeding in every pen.

A 5 fish diagnostic was conducted and fish were removed from pens 8, 10 and 12 which presented the worst in regards to numbers of moribund fish in comparison to the rest of the site.

Wrasse Morts - Week 43 (362, 0.94%), Week 42 (1,078, 2.71%), Week 41 (660, 1.64%), Week 40 (529, 1.27%)

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Main Insp:

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	10	Facilities stocked	9	No facilities inspected	10
Species	Atlantic Wrasse				
Age group	2024 Q4 2025				
No Fish	678 023 38 186				
Mean Fish Wt	3.1kg 300				
Next Fallow Date (Site)	05/2026	Next Input Date (Site)	04/2027		
Recent (last 4 wks) disease problems?		Y	Any escapes (since last visit)?		N
If yes, detail:	Bacterial infection				

Movement Records

1. Movement records for **all species** held 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. Have all introductions and imports (since last inspection) from outwith the GB health zone been recorded in the movement records?

Y

07/07/2025

Y

Y

Y

Y

Transport Records

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

Mortality Records

1. Mortality records for **all species** held 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:

Y

Ensiled - on site

Y

Week 43 (6,246, 0.88%), Week 42 (7,058, 0.86%), Week 41 (52,983, 6.67%),
Week 40 (42,206, 4.97%)

Y

See additional information.

6. Any other peaks in mortality during period checked?

N

If yes, detail:

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

N/A

If yes, detail action:

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

Y

1. Recent treatments (see comment)?							Y
If yes, detail:		Florfenicol	Slice	T.M.S.			
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)?				T.M.S.	Florfenicol	Slice	
If other, detail:							
6. Are medicines stored appropriately?							Y

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

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?	Y
If yes, detail (if not detailed under recent disease problems).	
See additional informaton	

Records checked between:	07/07/2025 - 29/10/2025
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Case no:

2025-0408

Site No:

FS1042

Date of visit/
Sampling:

29/10/2025

30/

Priority samples:

VI

BA

PA

MG

HI

Time sampling
starts/ends:

12:05:00

13:10:00

Main Insp:

VMD No.

0

Environmental conditions:

1Indoors

2

3

4

5

Summary samples

HIST

Y

BA

Y

MG

Y

VI

PA

Total Samples

Add Fish/Pools - click button

	Pool/Fish No	F1	F2	F3	F4	F4							
	Fish nos	1	2	3	4	5							
	Pool Group												
Stock Details	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	3.1kg	3.1kg	3.1kg	3.1kg	3.1kg							
	Sex	N/A	N/A	N/A	N/A	N/A							
	Water Type	SW	SW	SW	SW	SW							
		Etive 6 (FS1288)	Etive 6 (FS1288)	Etive 6 (FS1288)	Etive 6 (FS1288)	Etive 6 (FS1288)							
	Stock Origin												
	Facility No	12	10	10	8	8							

10/2025 Additional Sample Information:

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5

Total Tests assigned

4

[illegible]

Case no:	2025-0408	Site No:	FS1042	Method of killing:	Percussive
Date of visit:	29/10/2025	Main Insp:		Sheet Relevant:	Y

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

Fish Number		F1	F2	F3	F4	F5					
Time sampled after death (if > 45 minutes)			5	20	25	40					
External Signs											
Behaviour	Moribund	M	M	M	M	M					
	Lethargic	S	S	S	S	S					
	Hanging vertical										
	Spiralling										
	Flashing										
	Loss of equilibrium										
Body	Dark	M	M		M	S					
	Distended abdomen										
	Anorexic										
	Scale Oedema										
Opercula	Shortened										
	Flared										
Haemorrhaging	Throat										
	Ventrum										
	Base of fins										
	Elsewhere										
Eyes	Exophthalmic										
	Enophthalmic (sunken)										
	Cataract										
	Haemorrhagic										
Gills	Pale	W			W						
	Zoned										
	Necrotic										
Lesions	Flank										
	Elsewhere										
Vent	Inflamed				M						
	Trailing faeces										
Lice Load	Estimate numbers	6	4	2	7	0					
Internal Signs											
Ascites	Clear					W					
	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic										
	Granulomas										
	Deformed										
Liver	Petechial haem										
	Gross haem										
	Tissue breakdown										
	Enlarged										
	Colour number(s)	4	5	6	3	4					
	Granulomas										
	Lesions										
Pyloric caeca	Petechial haem										
	Tubules mauve										
	Lack of fat										
Spleen	Enlarged			W							
	Granulomas										
Gut	No food present										
	Yellow pseudo-faeces	M	M	M	M	M					
	External haem										
	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
	Fluid filled										
Kidney	Swollen										
	Grey										
	Granular										
	Liquefied										
General	Parasites present										
	Anaemia										

Date of visit: 29/10/2025

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

[illegible]

Additional comments:

Case No:

2025-0408

Date of visit:

29/10/2025

Site No:

FS1042

Main Insp:

Results Summary	Freq.	Date of Notification					
		Database	Insp	Phone	Insp	Writing	2 nd Insp
MG - AGD	1/5	04/11/2025		04/11/2025		01/12/025	
MG - IHN	0/5	04/11/2025		04/11/2025		01/12/026	
MG - IPN	0/5	04/11/2025		04/11/2025		01/12/027	
MG - ISA	0/5	04/11/2025		04/11/2025		01/12/028	
MG - PNST	5/5	04/11/2025		04/11/2025		01/12/029	
MG - PMVP	2/5	04/11/2025		04/11/2025		01/12/030	
MG - SPVP	4/5	04/11/2025		04/11/2025		01/12/031	
MG - SALP	0/5	04/11/2025		04/11/2025		01/12/032	
MG - VHS	0/5	04/11/2025		04/11/2025		01/12/033	
GPAT	5/5	10/11/2025		11/11/2025		01/12/034	
ADHE	2/5	10/11/2025		11/11/2025		01/12/035	
CGDH	5/5	10/11/2025		11/11/2025		01/12/036	
HPAT	5/5	10/11/2025		11/11/2025		01/12/037	
KPAT	3/5	10/11/2025		11/11/2025		01/12/038	
SKIN	2/5	10/11/2025		11/11/2025		01/12/039	
SPAT	3/5	10/11/2025		11/11/2025		01/12/040	
VSPE Isolate A	2/5	26/11/2025		27/11/2025		01/12/041	
VSPE Isolate B	5/5	26/11/2025		27/11/2025		01/12/042	
PASS	5/5	26/11/2025		27/11/2025		01/12/043	

Report Summary			
Case Type	Date	Insp	2 nd Insp
DIA, REP	01/12/2025		

Fish Health Inspectorate visit report

Summary for information of site operator

Business no:	FB0119	Date of visit:	29/10/2025
Site no:	FS1042	Site name:	Seaforth
Case no:	20250408	Inspector:	

Section one: summary

The site was inspected following reports of increased mortality, clinical signs of disease were observed during the inspection and five fish were removed for diagnostic sampling.

Histopathological examination revealed mild gill pathology, potentially associated with complex gill issues. The fish exhibited signs of chronic infection, likely related to a bacterial cause. Minor myocarditis and mild dermatitis were also observed.

One fish tested positive for *Neoparamoeba perurans* (Amoebic gill disease), five fish tested positive for *Paranucleospora theridion*, two fish tested positive for piscine myocarditis virus and four fish tested positive for Salmon gill poxvirus by qPCR.

Pasturella skyensis was identified as a primary fish pathogen, this bacterium would be implicated in the morbidity of fish 3 and 4 and pose an overall risk to the health of the fish population. *Vibrio spp.* were also identified, the level and purity of growth would suggest this bacterium may be implicated in morbidity of fish 5.

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

R09

Section two: case detail

Observations

The site was visited in response to reports of increased mortality. Seaforth have been over the 1% mortality reporting threshold at the site between 22/09/25 - 12/10/2025 where HSMI and unstable oxygen conditions have been the main drivers for mortality. Company vet also identified *Pasteurella Skyensis* on 6/10/2025. Some gill pathology has also been identified between 06/10/25 – 17/10/2025.

At the time of inspection, mortality had reduced significantly following treatments but some low level mortality is still presenting in stocks. The site was stocked with 678,023 fish at an average weight of 3.1kg. Mortality on site has mainly occurred within pens 5, 6, 7, 8, 10 and 12. During the inspection of the site, moribund fish were clearly visible with approximately 50 - 100 per pen observed in 7, 8, 10 and 12. Five Fish were removed for diagnostic sampling.

The fish selected for sampling all presented lethargic and moribund prior to removal. Externally, F1, F2, F4 & F5 had a darkened body colour.

Internally, the gills of F1 and F5 were pale, F5 also presented with an inflamed vent. F3 had a dark liver and enlarged spleen and F5 had clear ascites . All fish had yellow pseudo – faeces within the hind gut.

Samples

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

Fish number	Facility number	Species	Stage	Origin
F1	12	Atlantic salmon	2024 Q4	Etive 6 (FS1288)
F2 - F3	10	Atlantic salmon	2024 Q4	Etive 6 (FS1288)
F4 – F5	8	Atlantic salmon	2024 Q4	Etive 6 (FS1288)

Results

Bacteriology:

Kidney and gill material from F1 – F5 was inoculated onto appropriate media for the isolation of bacteria.

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The following bacteria were isolated:

Pasturella skyensis : F1 – F5 (Kidney)

Vibrio sp. : F4 & F5 (Kidney)

Vibrio spp: F1 – F5 (Gill)

Virology:

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

Piscine myocarditis virus (PMCV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1		-	-	-	negative
F2		-	-	-	negative
F3		-	-	-	negative
F4	16.76	16.80	16.91	16.83	POSITIVE
F5	17.41	22.39	22.52	22.51	POSITIVE

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.99	37.75	38.08	40	POSITIVE
F2	22.06	40	40	40	POSITIVE
F3	22.33	30.91	30.93	30.97	POSITIVE
F4	21.66	24.66	24.68	24.76	POSITIVE
F5		-	-	-	negative

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

Parasitology:

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

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UKAS Accredited Inspection Body - Type C No. 0269

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

Telephone – 0131 244 3498

Email – ms.fishhealth@gov.scot

[Fish Health Inspectorate Website](#)

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1		-	-	-	negative
F2		-	-	-	negative
F3		-	-	-	negative
F4	21.66	35.95	36.70	35.58	POSITIVE
F5		-	-	-	negative

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.99	35.93	36.10	36.81	POSITIVE
F2	22.06	37.73	38.01	37.81	POSITIVE
F3	22.33	34.95	35.24	35.07	POSITIVE
F4	21.66	34.80	34.98	35.37	POSITIVE
F5	21.73	35.01	35.47	35.39	POSITIVE

Histology:

Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1 – F5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Filament banchitis, mild (F1), lamellar hyperplasia, mild, multifocal (F1-F5), and adhesions, mild, multifocal (F1, F2, F3, F4) and F5 also exhibited lamellar inflammation, few basophilic epithelial inclusions (likely epitheliocystis) (F1, F3). F3 displayed debris among gill filaments with bacteria. Several aneurysmal dilation/telangiectasia (F5).

Skin & Muscle: Small area of cellular inflammation observed in the red musculature (F3) and F5, dermatitis, mild.

Heart: Myocarditis, minor up to mild, multifocal (F1, F2, F4, F5) and F3 exhibited minimal myocarditis. F5 displayed some endocarditis. Epicarditis, mild (F1, F2, F4-F5). F4 displayed small area with Gram-negative bacteria.

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Gut and pyloric caeca: Peritonitis, mild (F1-F5). F3: almost no pyloric caeca tissue present.

Pancreas: Within the normal range.

Liver: Vasculitis, mild (F1-F4). Hepatocellular necrosis, mild, multifocal (F4). Hepatocellular vacuolation (macrovesicles), some, diffuse (F1). F5 displayed a granulomatous reaction close to one.

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

Signed:



Date: 05/12/2025

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 \(www.gov.scot\)](http://www.gov.scot/FishHealthInspectorateServiceCharter)

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