FHI 059, Version 12		Issued by: FHI		Date of issue: 08/10/2018	
Case No: 2019-0015				Date of visit: 17/01/2019	
Time spent on site:	Hour	N	Main Inspector	": WJM	
Site No: FS0614 Business No: FB0572	Site Name: Business Name:	Holywood Salmon AquaGen Scotlan			
Case Types: 1 IMP 2	2 3	4	5	6	
Water Temp (°C):	Thermometer No:		] ו	FHI 045 completed	
Observations:	Region: DG	Water type:	F	CoGP MA:	
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed?	•	N/A If yes, see additional information/clinical score sheet.  N/A If yes, see additional information/clinical score sheet.  N/A If yes, see additional information/clinical score sheet.  N/A			
Diagnostic samples taken?		ш			
UNI/REG only - if unable to carry	out intended visit deta	il reason below:			

Import inspection conducted at Aberdeen Airport.

Two box shipment of 42,000 Atlantic Salmon ova from Norway was inspected and original health certificates (intra.no.2019.0000131 (no-0028399)) were found to be included and satisfactory.

No issues raised.

Paperwork completed by NYL, supervised by WJM.

Case No:	2019-0015	)		Date of visit	: 17/01/2019	9		
Site No:	FS0614	]		Inspector	: WJM	]		
Results Summary	Freq.			Da	ate of Notifica	ation		
,	· '	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	+			+				
				1				
				<del>†</del>		1		1
				†				
				1		1		1
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type IMP	17/01/2019	WJM	ASM					
				_				





AquaGen Scotland Ltd
BETA Centre Unit 16A
Stirling University Innovation Park
Stirling
FK9 4NF

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** FB0572 **DATE OF VISIT** 17/01/2019

SITE NO FS0614 SITE NAME Holywood Salmon Farm

INSPECTOR Warren Murray & Nicole Little CASE No 20190015

# Inspection of a consignment introduced into Scotland

An inspection was conducted at Aberdeen Airport on a consignment of 42,000 Atlantic salmon ova introduced into Scotland from AquaGen, Norway.

The accompanying health certificate met the requirements of the Aquatic Animal Health (Scotland) Regulations 2009 and the Trade in Animals and Related Products (Scotland) Regulations 2012.

The consignee must retain the original health certificate for at least 3 years.

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the

Date: 17/01/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12	Is	sued by: FHI		Date of issue: 08/10/2018			
Case No: 2019-0016			Da	ate of visit: 23/01/2019			
Time spent on site:	hrs	Mai	in Inspector:	WJM			
Site No: FS0323 Business No: FB0560	Site Name: Business Name:	Cairndow Hatchery Lakeland (Cairndow	) Ltd				
Case Types: 1 ECI 2	2 CNI 3 VMD	4 5	6				
Water Temp (°C): 1.7	Thermometer No:	Site	FH	HI 045 completed			
Observations:	Region: ST	Water type:	F	CoGP MA:			
Dead/weak/abnormally behaving of Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N					
UNI/REG only - if unable to carry out intended visit detail reason below:							

alevins due to go into first feeding week beginning 28/01/19

Mortality over last 4 weeks

24/12/18 s1's - 1322 (0.28%)

31/12/18 s1's - 1572 (0.33%)

07/1/19 - s1s - 1816 (0.38%)

13/1/19- s1s - 1193 (0.25%)

morts spiked in week 24/12/18 due to new batch of eggs arriving.

Plans are in place to build a new recirculation unit as part of Cairndow Hatchery.

Organic site as no chemical treatments used on site.

Case paperwork completed by DJM while supervised by WJM.

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0016		Site No:	FS0323				
Date of Visit:		23/01/2019	)		Inspector(s):	WJM		]
Registration/Authornament 1. Business/site detail 2. Changes made to	ails summary		site representa	ative?			Y N	}
Site Details								
Total No facilities		76	Facilities sto	ocked	11	No facilitie	s inspected	76
Species	sal	sal						
Age group	19 S1's	alevins						
No Fish	472,202	2,479,775						
Mean Fish Wt	73.72g	0.2g						
Next Fallow Date (S	ite)	never fallow		Next Input Da	ite (Site)	18th Febru	ary 2019	
Recent (last 4 wks)	disease prob	olems?		Y	Any escapes	(since last	visit)?	N
If yes, detail:		us problems, d	lvina down		Any occupes	(SITIOU IGE:	visit).	IV.
Movement Records		, o p. 0.0.	Jii.g at iii.					
<ol> <li>Date of last inspe</li> <li>Are records comp</li> <li>Are movement re</li> <li>Are records comp</li> <li>Are health certific</li> </ol>	olete and cor cords availated olete and cor	ble for dead fis rectly entered?	sh and waste? ?				02/10/2018	Y Y Y
Transport Records	;							
1. Are any movement of yes, is there a sys					_			N
<b>Mortality Records</b>								
1. Mortality records	available for	inspection?						Y
2. How are mortalities					Ensiled - on s	site		
If other detail:		ected then incir		vate company				
3. Mortality records	•	•		000/ 04/40/40	0.000/7/04//	10.0.200/_1	2/04/40 0 25/	Υ
4. Recent mortality (				28%. 31/12/18-	0.33%. 7/01/1	9-0.38%. 1	3/01/19-0.25	% N
5. Evidence of recer If yes, facility nos/no		• •		//reason:				14
II you, raomey riourno	mortanty po	Tacility/110 ctc	ok per radiity	neason.				
6. Any other peaks i If yes, detail:	n mortality d	uring period ch	necked?					N
7. Have increased (	unexplained)	) mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	/ents' been r	eported to FHI	? If no, add N	IRT case and e	enter on morta	lity events s	heet.	N/A

#### Results of Surveillance

If no, detail:

aquaculture animals held on site?

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

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

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

- 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:

02/10/18-23/01/19

Case no:	0040.00											
	2019-00	)16	Site No:		FS0323			Date of Samplin		23/	01/2019	23/0
Priority samples:	VI		ВА		PA		MG		_			
Time sampling starts/ends:	10:3	0:00	11:0	0:00		Inspecto	or:	WJM		VMD No	o. <b>[</b>	4
Environmental conditions:	1	Indoors	2		3		4		5			
Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
dd Fish/Pools - click												
Pool/Fish No												
Fish nos	1-6	7-12										
Pool Group												
Species	SAL	SAL										
Average weight	0.0730	0.0730										
Sex	N/A	N/A										
Water Type	FW	FW										
Stock Origin	Mowi - Tveitevag	д Mowi - Tveitevag										
	Time sampling starts/ends: Environmental conditions: Summary samples  Idd Fish/Pools - click  Pool/Fish No Fish nos Pool Group Species Average weight Sex Water Type	Time sampling starts/ends: Environmental conditions: 1  Summary samples HIST  dd Fish/Pools - click  Pool/Fish No Fish nos 1-6 Pool Group Species SAL Average weight 0.0730 Sex N/A Water Type FW  Stock Origin	Time sampling starts/ends: Environmental conditions: 1 Indoors  Summary samples HIST  Add Fish/Pools - click  Pool/Fish No Fish nos 1-6 7-12 Pool Group Species SAL SAL Average weight 0.0730 0.0730 Sex N/A N/A Water Type FW FW  Stock Origin Sex N/A N/A	Time sampling starts/ends:  Environmental conditions: 1 Indoors 2  Summary samples HIST BA   Idd Fish/Pools - click  Pool/Fish No Fish nos 1-6 7-12 Pool Group Species SAL SAL Average weight 0.0730 0.0730 Sex N/A N/A Water Type FW FW  Stock Origin Starts/ends:  Stock Origin 10:30:00 11:0  11:0 11:0 12:0 13:0:00 11:0 13:00 11:0 13:	Time sampling	Time sampling	Time sampling 10:30:00 11:00:00 Inspectors starts/ends:  Environmental conditions: 1 Indoors 2 3  Summary samples HIST BA MG  Pool/Fish No Fish nos 1-6 7-12	Time sampling 10:30:00 11:00:00 Inspector: starts/ends:  Environmental conditions: 1 Indoors 2 3 4  Summary samples HIST BA MG VI  Ind Fish/Pools - click  Pool/Fish No Fish nos 1-6 7-12 Pool Group Species SAL SAL Average weight 0.0730 0.0730 Sex N/A N/A Water Type FW FW Stock Origin  Stock Origin	Priority samples:         VI         BA         PA         MG           Time sampling starts/ends:         10:30:00         11:00:00         Inspector:         WJM           Summary samples         1 Indoors         2         3         4           Summary samples         HIST         BA         MG         VI           Inspector:         WJM         WJM           Summary samples         HIST         BA         MG         VI           Inspector:         WJM         WI         Inspector:         WJM           Inspector:         WJM         WJM         VI           BA         MG         VI         Inspector:         WJM           Inspector:         WJM         MG         VI           Inspector:         MG         VI         MG	Priority samples:         VI         BA         PA         MG         HI           Time sampling starts/ends:         10:30:00         11:00:00         Inspector:         WJM           Environmental conditions:         1 Indoors         2         3         4         5           Summary samples         HIST         BA         MG         VI         PA           Inspector:         WJM         WI         PA         5           Summary samples         HIST         BA         MG         VI         PA           Inspector:         WJM         PA         5           Summary samples         HIST         BA         MG         VI         PA           Inspector:         WJM         PA         PA         5           Inspector:         WJM         PA         PA         5           Inspector:         WJM         PA         5         5           Inspector:         WJM         PA         5         5           Inspector:         WJM         PA         PA         5         5           Inspector:         WJM         WJ         PA         5         5         2         2         2         3	Priority samples:         VI         BA         PA         MG         HI           Time sampling starts/ends:         10:30:00         11:00:00         Inspector:         WJM         VMD Not starts/ends:           Environmental conditions:         1 Indoors         2         3         4         5           Summary samples         HIST         BA         MG         VI         PA           Inspector:         WJM         VMD Not starts/ends:         5           Summary samples         HIST         BA         MG         VI         PA           Inspector:         WJM         VMD Not starts/ends:         5         MG         VI         PA         DA         DA<	Priority samples:         VI         BA         PA         MG         HI           Time sampling starts/ends:         10:30:00         11:00:00         Inspector:         WJM         VMD No.           Summary samples         HIST         BA         MG         VI         PA         Total Sa           Indoors         2         3         4         5         5         5           Summary samples         HIST         BA         MG         VI         PA         Total Sa           Indoors         2         3         4         5         5         7         <

01/2019	01/2019 Additional Sample Information:											
All fish sampled for VMD appeared healthy externally and internally. VMD samples taken by DJM.												
0	l	Total To	ests ass	igned	0							

FHI 059, Version 12		Issued by: FHI			Date	of issue	: 08/10/2018
Case Number:	2019-0016		Site No:	FS0323		Insp:	WJM
Date of Visit	23/01/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	
with GB) of susceptible species		novements on from equivalent zone or	0	0	40	20	
эрсогса	Number of supp	ocluding third country	0		18 10	26 14	9
Movements off	Frequency of m		0		6	10	10
Exposure via water	Number of dest	Site contacts			6-10	10	
Water contacts with other	Farm is protect	ed (secure water supply through		I-3	0-10		
farms (holding species	disinfection or b		0				
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V 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 pro	cessing	0				0
the fales of the allective	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent statu	from zone or compartment of	4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0	1			0
products	Common proce	sses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	1			0
	Feeding unpast	teurised 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 st	aff and equipment	0	1	2		0
Disinfection of equipment between sites, use of	Yes		0	]			0
footbaths etc	No		1				
CoGP/Regulator				-			
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2	]			
					Total		31
					Rank		HIGH

Case No:	2019-0016		Site No:	FS0323	
Sea Lice Inspection ( 1. Has the site experie	Seawater Sites Only) nced sea lice problems	in the previous 4 years?	)		
•	lanagement Area (or eq	•		year class basis?	
azamethiphos and emacan these be deployed	l in a reasonable period cumented farm manage	vell as access to suitable of time?	e biological and/or me	echanical control measures	s, and
5. Are sea lice count re	ecords available for insp	ection? (Legal SSI, Coo	SP Annex 6)		
6. Do records adequat	ely reflect the required s	tandard specified in the	SSI and the CoGP?	(Legal SSI, CoGP Annex 6	5)
7. Are sea lice ( <i>L. saln</i> records are inspected?		ow the suggested criteria	a for treatment in the	CoGP during the period that	at
8. Have average adult records are inspected?	•	nonis) numbers per fish	been at a level of 3 o	r above during the period t	hat
If yes, have these been	n reported to the Fish He	ealth Inspectorate? If no	, FHI see comment.		
9. Is C. elongatus infe	station at a level which i	s considered to cause s	ignificant welfare pro	blems? (CoGP 4.3.81, 5.3.	50)
				is levels have exceeded the ations? (CoGP 4.3.82, 5.3.	
11. Has any other action	on been taken (where ap	oplicable)?			
•	reatments or the actions		impact upon the lice	levels recorded?	
13. Are treatments, wh	ere conducted, carried	out in cooperation betwe	een participating farm	s?	
14. Is there a harvestir sea lice?	ng strategy for the site, v	where fewer populations	or part populations a	re held without treatment for actions to deal with recog	
	scalation of a sea lice in		, pointe decentaring ee	t dollone to dod! Mili 1000g	111000
16. Do the sea lice leve	els observed on stocks i	reflect sea lice count da	ta? If no please detai	I reasons.	
•	ion nced equipment damag ce to mitigate against th	•		•	N Y
If other, detail below:					
Tops nets, Pest contro	ol come every six weeks				
3. Have escape incide	ents or events been expe	erienced on or in the vic	inity of the site since	the last FHI inspection?	N
	estions 4 – 9. If No skip ported to Scottish Minist				
5. Have these been re	ported to local DSFB for	thwith (where they exist	)? (CoGP – 4.4.37, 5	5.4.17)	
6. Have these been re	ported to the SSPO and	local fisheries trusts for	thwith (where they ex	cist)? (CoGP – 4.4.37, 5.4.1	17)
7. Were methods (if ar	ny) used to recover esca	pees? If yes give detail			
8. If gill nets were depl	oyed was this action ag	reed with local wild fish	interests and was per	rmission given by Scottish	
Ministers? (Legal, CoG					
9. What action was tak	en to prevent and minin	nise the risk of further e	scapes? (Not covered	d in code but could	
	r satisfactory measure				
10. Is the site inspecte	d as satisfactory with re	gards to containment? I	f no, please detail rea	ason(s)	Υ

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2019-0016			Date of visit	t: 23/01/2019	9		
Site No:	FS0323			Inspector	: WJM	]		
Results Summary	Freq.				ate of Notifica	ation		
resource Summary	1.04.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
				<del>                                     </del>				_
							+	
	+		+	+			+	
	+			<del>1</del>	1			
				1				
				1				
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type ECI/CNI/VMD	31/01/2019	WJM	SAE					
				_				
			<b>_</b>					
			<b>_</b>					





Lakeland (Cairndow) Ltd c/o Cooke Aquaculture Scotland Ltd Crowness Road, Hatston Kirkwall Orkney KW15 1RG

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0560 Date of Visit 23/01/2019

SITE No FS0323 SITE NAME Cairndow Hatchery

INSPECTOR Warren Murray & Duncan McNicoll Case No 20190016

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

Mortality records were inspected and found to be adequately maintained.

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.

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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

# 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.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12	Issu	ed by: FHI	Date o	f issue: 08/10/2018		
Case No: 2019-0017				Date of visit:	23/01/2019	
Time spent on site:	hrs	]	Main Inspecto	r: [	WJM	
Site No: FS0339 Business No: FB0235	Site Name: Business Name:	Furnace (FW) Cooke Aquacult	ture (Freshwate	er) Ltd		
Case Types: 1 ECI	2 CNI 3 VMD	4	5	6		
Water Temp (°C): 11.3	Thermometer No:	Site		FHI 045 comp	leted	
Observations:	Region: ST	Water type	: F	CoGP MA:		
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	·	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N				
UNI/REG only - if unable to carry	out intended visit detail rea	son below:				

During the visit the site was in the process of vaccinating several tanks with alphajet micro 6 and alphajet Pd 1. This was in response to a PD outbreak that appears to be under control (low mortalities). Fish treated with salt water (2 ppt) for fungus.

Mortalities that went over the reporting threshold in week 50 of 2018 were reported to the FHI at 1.93% and attributed to SAV. During the inspection the mortalities percentage was recorded at 2.24%

Case paperwork completed by DJM while supervised by WJM.

FHI 059, Version 12 Issued by: FHI Date of	of issue: 08/10/2018					
Case No: 2019-0017 Site No: FS0339						
Date of Visit: 23/01/2019 Inspector(s): WJM						
Registration/Authorisation Details  1. Business/site details summary checked by site representative?  2. Changes made to details?  N						
Site Details						
Total No facilities 18 Facilities stocked 13 No facilities inspe	cted 18					
Species sal sal sal sal sal sal sal sal sal sa						
No Fish 1,169,301						
420.						
Wedit for We						
Next Fallow Date (Site) end of march 19 Next Input Date (Site) end of may 19						
Recent (last 4 wks) disease problems?  Y Any escapes (since last visit)?	N					
If yes, detail: tail end of PD outbreak, under control. Little bit of fungus						
Movement Records	V					
Movement records available for inspection?     Date of last inspection:	Y/2018					
<ul><li>2. Date of last inspection:</li><li>3. Are records complete and correctly entered?</li></ul>	2018 Y					
4. Are movement records available for dead fish and waste?	Ý					
5. Are records complete and correctly entered?	Y					
6. Are health certificates for introductions (outwith GB) available?	N/A					
Transport Records						
Are any movements carried out by (or on behalf) of the business (not using a STB)?	N					
If yes, is there a system in place for maintenance of transportation records?						
Mortality Records						
Mortality records available for inspection?	Y					
2. How are mortalities disposed of?  Ensiled - on site						
If other detail:						
3. Mortality records complete and correctly entered?	Y					
4. Recent mortality (last 4 wks): wk52 - 3121 0.27% wk1 1617 0.14%, wk2 735, 0.06% wk3	1191 0.1%					
5. Evidence of recent increased/atypical mortalities?	N					
If yes, facility nos/no mortality per facility/no stock per facility/reason:						
6. Any other peaks in mortality during period checked?	Y					
If yes, detail: week 50-18 (1208107- 2.24%) wk 51 (13257 - 1.12%)						
7. Have increased (unexplained) mortalities been reported to vet or FHI?  If yes, detail action:  Mortalities in week 50 were reported to FHI.	Y					
If yes, detail action:  Mortalities in week 50 were reported to FHI.  8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.						

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
1. Recent treatments (last 4 wks)?		N
If yes, detail:		
If other, detail:  2. Medicines records available for inspec	etion?	
<ol> <li>Medicines records available for inspects.</li> <li>Are records complete and correctly en</li> </ol>		
4. Are fish in a withdrawal period?	itereu:	N
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records  1. Biosecurity records available for inspe	ention?	V
•	rtality removal, recording and safe disposal b	een considered?
	he APB will notify Scottish Ministers or vetering	
increased (unexplained) mortality at the	•	Y
,,		
4. Has the action that will be taken in the	e event that the presence or suspicion of the p	presence of a listed disease
is detected been included and how and	when that will be notified to Scottish Minister	s?
5. Has the health status of aquaculture a	animals being stocked on the farm site been of	covered (equal or higher Y
health status, certification if required)?		
6. Have the husbandry and biosecurity m	neasures implemented between each epidem	piological unit to minimise
	novement of staff, visitors, equipment, live or	
·	the measures in place to maintain the physic	
aquaculture animals held on site?	, , ,	
8. Have the biosecurity procedures been	adequately implemented on site?	Y
If no, detail:		

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

**Results of Surveillance** 

3. Any significant results?

2. If yes, are results available for inspection?

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

Records checked between:

02/10/18-23/01/19

	11 059, Version 12					155	ueu by. r	111					
	Case no:	2019-00	)17	Site No:		FS0339			Date of v		23/0	1/2019	23/0
	Priority samples:	VI		ВА		PA		MG		y. HI			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:	WJM	_1	VMD No	).	18
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-3	4-6	7-9	10-12	13-16	17-19						
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL	SAL						
	Average weight	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300						
	Sex	N/A	N/A	N/A	N/A	N/A	N/A						
	Water Type	FW	FW	FW	FW	FW	FW						
Details		≥	≥	>	>	>	≥						
ets		원	원	opı	opu	opu	ဓ္ဓ						
Ō		Cairndow	Cairndow	Cairndow	Cairndow	Cairndow	Cairndow						
Stock	Stock Origin	)		_	,								
St	Facility No	C2	C4	A3	B3	A2	B2						

01/2019														
	VMD samples taken by DJM. All fish sampled for VMD appeared healthy.													
0	0 Total Tests assigned 0													

FHI 059, Version 12		Issued by: FHI			Date	or issue	: 08/10/2018
Case Number:	2019-0017		Site No:	FS0339		Insp:	WJM
Date of Visit	23/01/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	0	18	26	0
CFC0.00	Number of supp	ncluding third country	0		10	14	0
							10
Movements off	Frequency of m Number of desi		0		6	10 10	10
Exposure via water	rumber of desi	Site contacts			6-10		
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or b	•	0				
susceptible to same diseases)		or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V	4	4			
	rarms upstream	n or within 1 tidal excursion	1	4	8		
Management practices	I A m. , m. m. n. n. n. i.m. n	- plant diaghanning into adiagont water	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 pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent statu	from zone or compartment of	4				
	-	from Category III farm	8	1			
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	te only processed.	0	1			0
products	Common proce	sses with other farms	3	1			
	Collection point	for waste from other farms	5	Ì			
Use of unpasteurised feeds	No feeding of u	npasteurised feed		<u>.</u> 1			0
·	Feeding unpas	•	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 st	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		Το	1			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator				•			
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				$\vdash$
					<b>Total</b> Rank		14 LOW

Case No:	2019-0017		Site	e No:	FS0339	
Sea Lice Inspection (	Seawater Sites Only) nced sea lice problems in	n the previous 4 years	s?			
•	lanagement Area (or equ			single y	ear class basis?	
azamethiphos and ema	access to a range of licer amectin benzoate) as we in a reasonable period o cumented farm manager equivalent)?	ell as access to suitab of time?	ole biological and	or mec	hanical control measu	ures, and
5. Are sea lice count re	ecords available for inspe	ection? (Legal SSI, Co	oGP Annex 6)			
6. Do records adequate	ely reflect the required st	tandard specified in th	ne SSI and the Co	GP? (L	egal SSI, CoGP Anne	ex 6)
7. Are sea lice ( <i>L. salm</i> records are inspected?	nonis) record levels below (CoGP Annex 6)	w the suggested crite	ria for treatment i	n the Co	oGP during the period	I that
8. Have average adult records are inspected?	female sea lice ( <i>L. salmo</i>	onis) numbers per fis	h been at a level	of 3 or a	above during the perio	od that
If yes, have these beer	reported to the Fish He	ealth Inspectorate? If r	no, FHI see comm	nent.		
9. Is C. elongatus infe	station at a level which is	s considered to cause	significant welfar	re proble	ems? (CoGP 4.3.81, 5	5.3.50)
	reatments been administ reatment or where <i>C. elo</i>					
11. Has any other action	on been taken (where ap	pplicable)?				
•	eatments or the actions		nt impact upon the	e lice le	vels recorded?	
13. Are treatments, wh	ere conducted, carried o	out in cooperation bety	ween participating	g farms?	?	
14. Is there a harvestin sea lice?	ng strategy for the site, w	here fewer population	ns or part populati	ions are	held without treatme	
	scalation of a sea lice inf		шур сс шосоны.			
16. Do the sea lice leve	els observed on stocks re	eflect sea lice count o	lata? If no please	detail r	easons.	
•	ion nced equipment damage ce to mitigate against the	•	•	-	•	N Y
If other, detail below:						
	egular pest control visits	s. All tanks are indoors	S			
3. Have escape incide	nts or events been expe	rienced on or in the v	icinity of the site s	since the	e last FHI inspection?	N
	estions 4 – 9. If No skip to ported to Scottish Ministe	•				
5. Have these been rep	ported to local DSFB fort	thwith (where they exi	st)? (CoGP – 4.4	1.37, 5.4	l.17)	
6. Have these been rep	ported to the SSPO and	local fisheries trusts f	orthwith (where th	ney exis	t)? (CoGP – 4.4.37, 5	.4.17)
7. Were methods (if an	y) used to recover escap	pees? If yes give deta	iil			
8. If gill nets were depl	oyed was this action agre	eed with local wild fisl	n interests and wa	as perm	ission given by Scotti	sh
Ministers? (Legal, CoG						
9. What action was tak	en to prevent and minim	nise the risk of further	escapes? (Not co	overed i	n code but could	
	r satisfactory measure					
10. Is the site inspecte	d as satisfactory with reg	gards to containment?	If no, please det	ail reas	on(s)	Y

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2019-0017			Date of vis	it: 23/01/20	19		
Site No:	FS0339	- 1		Inspecto	vr: VV/ IV/I	_		
Site No.	1 30339	J		mspecio	71. VV 31VI	_		
Results Summary	Freq.				ate of Notifi	ication		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
						_		
			+		+	_	+	_
							+	+
						_		
					_		_	
Report Summary			T	7				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
FCI	31/01/2019	W IM	SAE	_				
CNI	31/01/2019	W.IM	SAE SAE	-				
Case Type ECI CNI VMD	31/01/2019	W.JM	SAE	-				
	0 1, 0 1, 20 1 0	*****	O/ (L	-				





Cooke Aquaculture (Freshwater) Ltd Crowness Road Hatston Kirkwall Orkney KW15 1RG

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0235 DATE OF VISIT 23/01/2019
SITE NO FS0339 SITE NAME Furnace (FW)
INSPECTOR Warren Murray & Duncan McNicoll CASE NO 20190017

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every third 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 Scotland 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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

# 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

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 31/01/2019

FHI 059, Version 12	Issue	ed by: FHI	Date of issue: 08/10/2018
Case No: 2019-0018			Date of visit: 22/01/2019
Time spent on site:	5 hrs	Main Inspecto	or: WJM
Site No: FS0648 Business No: FB0235	Site Name: Business Name:	Ardtaraig Hatchery Cooke Aquaculture (Freshwate	er) Ltd
Case Types: 1 ECI	2 CNI 3 VMD	4UNI 5	6
Water Temp (°C): 3.2	Thermometer No:	Site	FHI 045 completed
Observations:	Region: ST	Water type: F	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail reas	son below:	

4 movement records were recorded in movement record book after yellow copy had been removed at last inspection. Movement records have been updated to include them.

During inspection of mortality records of august, September 2017 unusually high morts were observed.

week beginning 19th august -opening count - 696060 fish on site >5g, 1.98% mortality for whole site - 13,782 (tank B011 - 4127, F15- 1164, F16- 1344, B05- 2322 worst affected)

week beginning 23 of September 14,109 - 2.14% (tank b12- 3475, B07, 3707, B09- 1246, b08-2938) opening count- 659103 bigger fish 40-90g

Plans to increase biosecurity on site by building a fence around the external hatchery units and enclose the area where morts are stored. Construction was in process during site visit on 22/01/19

Case paperwork completed by DJM while under supervision from WJM.

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0018		Site No:	FS0648	<u>;</u>			
Date of Visit:		22/01/2019	)		Inspector(s):	: WJM		]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	}
Site Details								
Total No facilities		53	Facilities sto	cked	24	No facilitie	es inspected	53
Species	sal	sal						
Age group	19 S0	19 S1						
No Fish	375,500	276,148						
Mean Fish Wt	0.2g	70g						
Next Fallow Date (S	ite)	n/a		Next Input Da	ate (Site)	feb week 9	9 2019	
Recent (last 4 wks)	disease prob	olems?		N	Any escapes	s (since last	visit)?	N
If yes, detail:								
<ol> <li>Date of last inspection.</li> <li>Are records composited.</li> <li>Are movement records composited.</li> <li>Are records composited.</li> <li>Are health certification.</li> <li>Are any movement from the properties.</li> </ol>	plete and corrected availablete and corrected availablete and corrected for intro	ble for dead fis rectly entered? oductions (outw ut by (or on be	sh and waste? ? with GB) availa chalf) of the bu	able? usiness (not usi			10/08/2017	Y Y Y Y
Mortality Records	lem in place	101 maintenan	ce or transpor	lation records:				
Mortality records a	available for	inspection?						Y
2. How are mortalities		•			Incinerated -	on site		
If other detail:	3 dioposod .	51 :			momoratod	Off Oils		
3. Mortality records of	complete an	d correctly ent	ered?					Y
4. Recent mortality (	•	•		(33) wk1(34) wl	k2 (34) wk(35	5); eggs 160	10 - (4.38%)	
5. Evidence of recen								Y
If yes, facility nos/no		* *		/reason:				
eggs - post input die	off/mortality	/						
6. Any other peaks in	n mortality d	uring period ch	necked?					Y
If yes, detail:				2017, egg morta	ality dec 2017	post input a	and dec 2018	post input
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				Y
If yes, detail action:								
8. Have 'mortality ev	rents' been re	eported to FHI	? If no, add M	IRT case and $\epsilon$	enter on morta	ality events s	sheet.	N

If yes, detail: Formalin	_
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)? Formalin  If other, detail:	
6. Are medicines stored appropriately?	
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 disea	se Y
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	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
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	Y
aquaculture animals held on site?	
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?	Y
If yes, detail (if not detailed under recent disease problems).	

10/8/17 - 21/01/19 Records checked between:

' '	11 000, VEISIOTI 12		FS0648 Date of visit/ 22/01/2019 22/0 Sampling: PA MG HI Inspector: WJM VMD No. 7										
	Case no:	2019-00	)18	Site No:		FS0648					22/0	01/2019	22/(
	Priority samples:	VI		ВА		PA		MG	Samplin	_			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:	WJM		VMD No	). 	7
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
		,								·			
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-4	5-8	9-12	13-14								
	Pool Group												
	Species	SAL	SAL	SAL	SAL								
	Average weight	0.0700	0.0700	0.0700	0.0700								
	Sex	N/A	N/A	N/A	N/A								
	Water Type	FW	FW	FW	FW								
		,	,	,	,								
		er)	er)	iery	ler)								,
		ţţ	tch	ıtch	fch								1
		五	На	На									1
oile oile		×	ΝC	ΜC	ΝC								ı
Details		nde	<b>y</b> pu.	) Ju	J J J								
쏭	Stock Origin	Cairndow Hatchery	Cairndow Hatchery	Cairndow Hatchery	Cairndow Hatchery								.
Stock	Facility No	B14	B1	_	C 1								
J,				-	-								

01/2019														
	VMD samples taken by DJM. All fish sampled for VMD appeared healthy.													
0	0 Total Tests assigned 0													

HI 059, Version 12 Issued by: FHI Date of issue:						: 08/10/2018	
Case Number:	2019-0018		Site No:	FS0648		Insp:	WJM
Date of Visit	22/01/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	
with GB) of susceptible		novements on from equivalent zone or					
species		cluding third country	0		18	26	9
	Number of supp	oliers	0	5	10	14	5
Movements off	Frequency of m		0		6	10	6
_	Number of dest		0		6	10	3
Exposure via water	1	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or b	•	0				0
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		ш
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V 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 pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent statu	from zone or compartment of	4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0	]			0
products	Common proce	sses with other farms	3	1			
	Collection point	for waste from other farms	5	]			
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	]			0
	Feeding unpas	teurised feed	5	1			
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing st	aff and equipment	0	1	2		0
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator				1			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total		23
					Rank		MEDIUM

Case No:	2019-0018		Site No:	FS0648	
Sea Lice Inspection (3	• •	s in the previous 4 years	s?		
•	•		chronously on a single ye	ear class basis?	
3. Does the site have a azamethiphos and emacan these be deployed	access to a range of lic amectin benzoate) as in a reasonable perioc cumented farm manag	enced in-feed and bath well as access to suitabed of time?	sea lice medications (inc	cluding deltamethrin, nanical control measures, a	nd
5. Are sea lice count re	cords available for ins	pection? (Legal SSI, Co	GP Annex 6)		
6. Do records adequate	ely reflect the required	standard specified in th	e SSI and the CoGP? (Lo	egal SSI, CoGP Annex 6)	
7. Are sea lice ( <i>L. salm</i> records are inspected?		low the suggested criter	ia for treatment in the Co	oGP during the period that	
8. Have average adult records are inspected?		monis) numbers per fish	n been at a level of 3 or a	above during the period that	
If yes, have these beer	reported to the Fish I	Health Inspectorate? If n	o, FHI see comment.		
9. Is <i>C. elongatus</i> infes	station at a level which	is considered to cause	significant welfare proble	ems? (CoGP 4.3.81, 5.3.50)	
				levels have exceeded the ons? (CoGP 4.3.82, 5.3.51)	
11. Has any other action	on been taken (where a	applicable)?			
12. Have therapeutic tr	eatments or the action	ns taken had a significan	t impact upon the lice lev	vels recorded?	
14. Is there a harvestin sea lice?	g strategy for the site,	where fewer population		held without treatment for	
15. Is there a site spec scenarios during the es			aypoints describing set a	ctions to deal with recognise	ed
16. Do the sea lice leve	els observed on stocks	s reflect sea lice count d	ata? If no please detail re	easons.	
Containment Inspecti	ion				
1. Has the site experier	nced equipment dama	ge due to predators in the	ne current or previous pro	oduction cycles?	N
2. Are measures in place	ce to mitigate against	the predation experience	ed on site? (Detail below)	)	Υ
If other, detail below:					
		ve anti jump shields, reg	gular pest control visits.		
3. Have escape incide	nts or events been exp	perienced on or in the vi	cinity of the site since the	e last FHI inspection?	N
If Yes proceed with que 4. Have these been rep		•			
5. Have these been rep	ported to local DSFB fo	orthwith (where they exis	st)? (CoGP - 4.4.37, 5.4	.17)	
6. Have these been rep	ported to the SSPO an	d local fisheries trusts fo	orthwith (where they exist	t)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if an	y) used to recover esc	capees? If yes give detai	il		
9. If all note were deal	aved was this satisfa a	grood with local wild field	interests and was name	ission given by Coattisk	
Ministers? (Legal, CoG		greed with local wild fish	n interests and was permi	ission given by Scottish	
	•	imise the risk of further	escapes? (Not covered in	n code but could	
be considered under	•				
	•	· ·	If no, please detail reason	on(s)	Υ

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No: 2019-0018 Site No: FS0648 Date of visit: 22/01/2019

Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:		Year class:	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select reason(s):
19/08/17	26/08/2017	5g to smolting	40-90g	SAL		Weekly	1.98	Explained	Furunculosis
23/09/17	30/09/2017	5g to smolting	40-90g	SAL		Weekly	2.14	Explained	Furunculosis

f unexplained, select observations:	Total mortality during event (if available):	Additional information (e.g. action taken by company):	Action taken by FHI (include case no where applicable):  Mortality event picked up during inspection. Site inspected 22/01/19 - no moribund fish observed, fish appeared in good condition, mortality has been low.	
			Mortality event picked up during inspection. Site inspected 22/01/19 - no moribund fish observed, fish appeared in good condition, mortality has been low.	
Anorexic  Base of fins H  Bloody ascites  Body wall - Ha  Clear ascites  Dark body  Distended abo  Enophthalmic  Exophthalmic  Eyes - Catara  Eyes - haemo  Flared opercul  Flashing  General Anae	domen  ct ctrrhagic			

Case No:	2019-0018			Date of visit	: 22/01/2019	Ð					
Cita Na		1				7					
Site No:	FS0648	J		Inspector	: VV JIVI	_					
Results Summary	Freq.		1.	Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp			
								1			
					+						
Report Summary				7							
Case Type	Date	Insp	2 <sup>nd</sup> Insp	1							
Case Type ECI/CNI/VMD/UNI	31/01/2019	WJM	SAE								
				4							
				4							
				4							
	-	<del>                                     </del>	+								
	1	<del>                                     </del>									
		1	-	-							





Cooke Aquaculture (Freshwater) Ltd Crowness Road Hatston Kirkwall Orkney KW15 1RG

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0235 Date of Visit 22/01/2019

SITE No FS0648 SITE NAME Ardtaraig Hatchery

INSPECTOR Warren Murray & Duncan McNicoll Case No 20190018

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected without prior notification, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

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.

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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

# 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.

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

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 31/01/2019

Signed:

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0019			Date of visit: 22/01/2019
Time spent on site:	2 Hrs	Main Ins	spector: WJM
Site No: SS0759 Business No: SB0530	Site Name: Business Name:	Fearna Loch Striven Mussel Far	ms Ltd
Case Types: 1 MOV	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see additiona	Il information/clinical score sheet. Il information/clinical score sheet. Il information/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit deta	il reason below:	

Export inspection of MED (16 x 1.2 tonnes) to Ireland. Traces ref. no. INTRA.GB.2019.0001611 (MD19/006) Light to medium fouling noted, consisting of sea squirts, tube worms, starfish, urchins and sea weed.

DJM present during export inspections to observe procedure.

Case No:	2019-0019			Date of visi	it: 22/01/20	19		
Site No:	SS0759	]		Inspecto	r: WJM			
Results Summary	Freq.				ate of Notific	cation		
results cultillary	i roq.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
				<u> </u>				
				<u> </u>		+		
				+				
				+		+		
				+		+		
					+	+		
						+		
				1				
					+	+		
				1		+		
Report Summary				7				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type MOV	31/01/2019	W.IM	SAE	1				
IVIO V	01/01/2010	VVOIVI	O/ (L	4				
				-				
				-				
				-				
				-				
	-		1					





Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0530Date of Visit22/01/2019Site NoSS0759Site NameFearnaInspectorWarren Murray & Duncan McNicollCase No20190019

# Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of Blue Mussels (*Mytilus edulis*) for placing on the market in Ireland was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

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

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 31/01/2019

Signed:

FHI 059, Version 12		Issued by: FHI		Date of issue: 08/10/2018
Case No: 2019-0020			Dat	te of visit: 24/01/2019
Time spent on site:	9.5 Hrs	Ma	ain Inspector:	WJM
Site No: SS0759 Business No: SB0530	Site Name: Business Name:	Fearna Loch Striven Musse	el Farms Ltd	
Case Types: 1 MOV	2 3	4 5	6	
Water Temp (°C):	Thermometer No:		] FH	I 045 completed
Observations:	Region: ST	Water type:	S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see add	ditional information	on/clinical score sheet. on/clinical score sheet. on/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit deta	il reason below:		

Export inspection of MED (16 x 1.2 tonnes) to Ireland. Traces ref. no. INTRA.GB.2019.0001619 (MD19/007) Light to medium fouling noted, consisting of sea squirts, tube worms, starfish, urchins and sea weed. Out on barge during harvesting.

DJM present during export inspections to observe procedure.

Case No:	2019-0020			Date of vis	sit: 24/01/20	019		
O'C. No		<del>-</del>						
Site No:	SS0759	_		Inspecto	or: WJM	_		
Results Summary	Freq.			[	Date of Notif	fication		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	_							
	_	+		+		_	+	_
		+		+		+		+
		1						
		<b>.</b>		1				_
		+	-			_	4	
			<u> </u>		_			
	_	+		+		_	+	+
		+		+		_		
Report Summary				7				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type MOV	31/01/2019	9 WJM	SAE	-				
		1		7				





Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0530Date of Visit24/01/2019Site NoSS0759Site NameFearnaInspectorWarren Murray & Duncan McNicollCase No20190020

# Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of Blue Mussels (*Mytilus edulis*) for placing on the market in Ireland was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

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

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 31/01/2019

Signed:

FHI 059, Version 12		Issued by: FHI	I	Date of issue: 08/10/2018
Case No: 2019-0032			Date of	visit: 29/01/2019
Time spent on site:	5hrs	Mair	n Inspector:	
Site No: FS0260 Business No: FB0456	Site Name: Business Name:	Braevallich Farm Dawnfresh Farming I	Ltd	
Case Types: 1 ECI 2	2 CNI 3 VMD	4 5	6	$\supset$
Water Temp (°C): 7	Thermometer No:	Site	FHI 045	completed N/A
Observations:	Region: ST	Water type: F	CoG	P MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see additi	onal information/cli onal information/cli onal information/cli	nical score sheet.
UNI/REG only - if unable to carry	out intended visit detai	l reason below:		

Some gill filaments were reported to be shortened/missing. Following some sampling/investigative work it was considered that a lack of phosphorous in the diet was a contributing factor. Other observations included deformed and soft operculum. The company is seeking to rectify this with the feed company.

Site production has moved from portion size trout to larger fish.

Site had experienced increased background mortality rates due to eye fluke. Upon veterinary advice, it was agreed to cull some affected fish. Source site has now installed a drum filter to prevent this from re-occurring in the future.

Paperwork completed by supervised by

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0032	]	Site No:	FS0260	)]			
Date of Visit:		29/01/2019			Inspector(s):			]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details								
Total No facilities		28	Facilities sto	cked	19	No facilitie	es inspected	28
Species	RTR	RTR						
Age group	2016	2017						
No Fish	8,232	239,441						
Mean Fish Wt	3.475 Kg	1.4 Kg						
Next Fallow Date (Si	te)	Ongoing cycl	le	Next Input Da	ate (Site)	April 19		
Recent (last 4 wks) of lf yes, detail:	disease probl	ems?		N	Any escapes	(since last	visit)?	N
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 a	available for i	nspection?						Y
2. How are mortalitie		•			Incinerated -	on site		
If other detail:	- replate one	- arreathy ont						V
<ol> <li>Mortality records of</li> <li>Recent mortality (</li> </ol>	•			e from 1st Janu	uary. 0.17 - 0.3	25% per we	ek	'
5. Evidence of recen	t increased/a							N
If yes, facility nos/no		• •		/reason:				
6. Any other peaks in		-						Y
If yes, detail: 7. Have increased (u	Reaches 0.3	3% in wk42 als	so, possibly at	3% that week, ttributed to ong	•		•	wk27).
If yes, detail action:			ed fish were c					
8. Have 'mortality ev					enter on morta	lity events s	sheet.	N/A

# Results of Surveillance

If no. detail:

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

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

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

2. If yes, are results available for inspection?

health status, certification if required)?

aquaculture animals held on site?

3. Any significant results?

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

Eye fluke and gill filament issues.

Records checked between:

27/02/18-29/01/19

1111 038, VEISIOII 12							155	ueu by. i				
Case no:	2019-00	032	Site No:		FS0260			Date of Samplin		29/0	01/2019	
Priority samples:	VI		ВА		PA		MG	Samplin	g. HI			
Time sampling starts/ends:	12:0	0:00	12:1	5:00		Inspecto	or:	DJT		VMD No	o.	3
Environmental conditions:	1	Indoors	2		3		4		5			
Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
Add Fish/Pools - click												
Pool/Fish No												
Fish nos	F1	F2										
Pool Group												
Species	RTR	RTR										
Average weight												
Sex												
Water Type	FW	FW										
	_	ge										
S	₹	po-										
Details	2	l s										
<u> </u>	Kinaird Mill	Rocks Lodge										
Stock Origin Facility No												
ಸ್ರ Facility No	3	H4										

	Addition	nal Sam	ple Infor	mation:							
0	l	Total To	ests ass	igned	0	l					

FHI 059, Version 12		Issued by: FHI			Date o	of issue	: 08/10/2018
Case Number:	2019-0032		Site No:	FS0260		nsp:	
Date of Visit	29/01/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	5
with GB) of susceptible species		novements on from equivalent zone or	0	۵	18	26	
Species	Number of sup	ncluding third country	0		10	14	5
			<u> </u>				٣
Movements off	Frequency of m		0		6	10 10	0
Exposure via water	Number of des	Site contacts			6-10	10	
Water contacts with other	Farm is protect	ed (secure water supply through	T T		0-10		
farms (holding species	disinfection or l	porehole)	0				0
susceptible to same diseases)		or in a coastal zone with category I	1	2	1		
uiseases)		or within 1 tidal excursion or in a coastal zone with category III	<u>'</u>	2			-
		or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
	farms upstream	n or within 1 tidal excursion	1	4	8		4
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 pro	cessing	0	1			
the fales of the directive	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2	1			-
		from zone or compartment of	,				ш
	equivalent state	n from Category III farm	4				⊢
		r from Category V farm	8	-			-
			10	]			$\blacksquare$
Disposal of fish and fish by- products		· · ·	0				0
products	Common proce	esses with other farms	3				0
	Collection poin	t for waste from other farms	5				0
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0
	Feeding unpas	teurised feed	5				0
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing s	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				-
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				ш
Platform access to cages	Yes		1 0	1			
attorni access to cages	No		2				$\vdash$
				J			
					Total		15
					Rank		LOW

Case No:	2019-0032	Site No: FS0260	
Sea Lice Inspection	n (Seawater Sites Only)		
1. Has the site expe	rienced sea lice problems	s in the previous 4 years?	
2. Is the CoGP Farm	n Management Area (or e	quivalent) fallowed synchronously on a single year class basis?	
azamethiphos and e can these be deploy	emamectin benzoate) as red in a reasonable period documented farm manag	enced in-feed and bath sea lice medications (including deltamethrin, well as access to suitable biological and/or mechanical control measures, and dof time?  ement agreement or statement relevant to the site and CoGP Farm	
•		pection? (Legal SSI, CoGP Annex 6)	
		standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)	
	almonis) record levels be ed? (CoGP Annex 6)	low the suggested criteria for treatment in the CoGP during the period that	
8. Have average addressed are inspected	· ·	monis) numbers per fish been at a level of 3 or above during the period that	
If yes, have these be	een reported to the Fish H	Health Inspectorate? If no, FHI see comment.	
9. Is C. elongatus in	festation at a level which	is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)	
		stered or other actions taken when <i>L. salmonis levels</i> have exceeded the <i>elongatus</i> is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)	
11. Has any other a	ction been taken (where a	applicable)?	
12. Have therapeution	c treatments or the action	s taken had a significant impact upon the lice levels recorded?	
13. Are treatments,	where conducted, carried	out in cooperation between participating farms?	
sea lice?	• •	where fewer populations or part populations are held without treatment for	
	ecific written lice manage escalation of a sea lice i	ement procedure with waypoints describing set actions to deal with recognised infestation?	
16. Do the sea lice l	evels observed on stocks	reflect sea lice count data? If no please detail reasons.	
Containment Inspe	ection		
1. Has the site expe	rienced equipment dama	ge due to predators in the current or previous production cycles?	N
2. Are measures in p	place to mitigate against t	the predation experienced on site? (Detail below)	Υ
Tension nets, dyne	eema nets in place, top	nets, top nets stitched to cage nets to prevent entry by predators.	
If other, detail belo	w:		
			N
		perienced on or in the vicinity of the site since the last FHI inspection?	N
•	questions 4 – 9. If No skip reported to Scottish Minis	•	
5. Have these been	reported to local DSFB fo	orthwith (where they exist)? (CoGP - 4.4.37, 5.4.17)	
	•	d local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if	any) used to recover esc	apees? If yes give detail	
8. If all nets were de	eployed was this action ac	greed with local wild fish interests and was permission given by Scottish	
	oGP – 4.4.38, 5.4.18)	,	
9. What action was	taken to prevent and mini	mise the risk of further escapes? (Not covered in code but could	
be considered un	der satisfactory measu	res of the Act)	
10. Is the site inspec	cted as satisfactory with re	egards to containment? If no, please detail reason(s)	Υ

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Site No: FS0260

Case No: 2019-0032

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No:	2019-0032			Date of visit:	29/01/2019			
Site No:	FS0260	l		Inspector:		ı		
Results Summary	Freq.			Da	te of Notificat			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
D								
Report Summary Case Type		-						
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI,CNI,VMD	08/02/2019							





Dawnfresh Farming Ltd Bothwellpark Industrial Estate Uddingston Lanarkshire G71 6LS

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0456Date of Visit 29/01/2019Site NoFS0260Site NameBraevallich FarmInspectorCase No20190032

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every third 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.

R04

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 Scotland 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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

## 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.

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

Signed: Date: 04/02/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12	Issued by	FHI	Date of issue: 08/10/2018
Case No: 2019-0033			Date of visit: 31/01/2019
Time spent on site: 3hrs		Main Inspecto	r:
0.00 1.01		istan n Striven Mussel Farms Ltd	
Case Types: 1 MOV 2	3 4	5	6
Water Temp (°C):	ermometer No:		FHI 045 completed N
Observations: Reg	gion: ST	Water type: S	CoGP MA
Dead/weak/abnormally behaving fish p Clinical signs of disease observed? Gross pathology observed?	N/A	If yes, see additional inform If yes, see additional inform If yes, see additional inform	nation/clinical score sheet.
Diagnostic samples taken?			
UNI/REG only - if unable to carry out in	ntended visit detail reason b	elow:	

Inspected a consignment of 9 bags. Total weight 10,800kg.

Certificate no. INTRA.GB.2019.0002387

Local Ref No. MD19/011

Following inspection, no issues noted. Health certificate issued to site contact.

Troustan has 4 lines left stocked with 40 tonnes.

Paperwork completed by supervised by

FHI 059, Version 12			Issu	ied by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0033		Site No:	SS0451	]			
Date of Visit:		31/01/2019	3		Inspector(s)	):		]
Registration/Authori 1. Business/site detail 2. Changes made to o	ils summary		ite representa	ative?			Y N	-
Site Details								
Total No facilities		10	Facilities sto	cked	4	No facilitie	es inspected	0
	MED							
	Spat							
_	N/A							
Mean Fish Wt	40000							
Next Fallow Date (Site	e)	Unsure		Next Input Da	ate (Site)	N/A		
Recent (last 4 wks) di	lisease probl	ems?		N	Any escape	e (since last	visit\?	N/A
If yes, detail:	Scase proc.	SIII3:			Any Cocapo	3 (Silloo luc.	visit).	IN/A
Movement Records								V
Movement records     Data of lost inspect		r inspection?					07/00/2010	Y
<ol> <li>Date of last inspect</li> <li>Are records complete</li> </ol>		actly entered	,				07/08/2018	Y
Are records complete     Are movement records.		•		,				N/A
5. Are records comple								Y
6. Are health certificat		•		able?				N/A
	tes for intrea	dolloris (out	nui OD, avano	IDIC:				
Transport Records	to comical au	t bu /ox on bo	t alf) af the hi	: (not us	: CTD\2			
<ol> <li>Are any movement</li> <li>If yes, is there a syste</li> </ol>			•	•	_			
	in in place i	JI IIIali IICIIali	ce or transpor	tation records				
Mortality Records  1. Mortality records av	vailable for i	acaction?						N/A
2. How are mortalities		•			Other (detai	ii\		147
If other detail:	s disposed of	f			Other (detai	11)		
3. Mortality records co	omplete and	correctly ent	ered?					N/A
4. Recent mortality (la	•	our conj c	Sied.					
5. Evidence of recent	•	typical morta	lities?					N/A
If yes, facility nos/no r				/reason:				
,			on participation ,					
6. Any other peaks in	mortality du	ring period ch	necked?					N/A
If yes, detail:								
7. Have increased (ur	nexplained) ı	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality eve	ents' been re	ported to FHI	? If no, add M	IRT case and e	enter on mor	tality events	sheet.	N/A

4	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7 In all a sum and the sum of the last and the sum of t	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
aquaculture ariimais neid on site:	
8. Have the biosecurity procedures been adequately implemented on site?	

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise

If no, detail:

#### Results of Surveillance

Has any animal health surveillance been carried out by, or on behalf of, the business?	N/
2. If yes, are results available for inspection?	

3. Any significant results?

health status, certification if required)?

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

Records checked between:

Case No:	2019-0033	Date of visit: 31/01/2019								
Site No:	SS0451	Inspector:								
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
Report Summary				l						
Report Summary Case Type	Date	Insp	2 <sup>nd</sup> Insp							
MOV	08/02/2019	шор	2 IIISP							
	33,32,2313									





Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0530
 Date of Visit
 29/01/2019

 Site No
 SS0451
 Site Name
 Troustan

 Inspector
 Case No
 20190033

## Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of mussel spat for placing on the market in the Republic of Ireland was inspected. Health certificates were issued which must travel with the consignments to the destination. The official authority in the importing country has been notified.

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

Signed: Date: 04/02/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0034			Date of visit: 29/01/2019
Time spent on site:	1.5hrs	Main Ins	pector:
Site No: SS0759 Business No: SB0530	Site Name: Business Name:	Fearna Loch Striven Mussel Farn	ns Ltd
Case Types: 1 MOV	23	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed N
Observations:	Region: ST	Water type: S	CoGP MA
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	-	N If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit deta	il reason below:	

Export from Fearna to Ireland. Movement document issued. Health certificate no. INTRA.GB.2019.0002386 Local reference no. MD19/010

18 bags at 21,600kg (21.6T)

Fearna has 22 lines left stocked with 350 tonnes.

No issues noted, certificate issued.

Paperwork completed by supervised by

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0034	]	Site No:	SS0759	]			
Date of Visit:		29/01/2019	1		Inspector(s)	:		]
Registration/Authoral Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	-
Site Details								
Total No facilities		30	Facilities sto	cked	22	No facilitie	es inspected	0
Species	MED							
Age group No Fish	Spat N/A							
	350000							
Mean Fish Wt		Uncertain (N	atural	Next Input Dr	oto (Cito)	Unaortain	(Netural cott	amont)
Next Fallow Date (Si	ite)	Uncertain (N	aturai	Next Input Da	ite (Site)	Uncertain	(Natural settl	ement)
Recent (last 4 wks)	disease probl	lems?		N	Any escapes	s (since last	visit)?	N/A
If yes, detail:								
Movement Records	5							
1. Movement records	s available fo	r inspection?						Y
2. Date of last inspec	ction:						27/08/2018	
3. Are records comp		•						Y
4. Are movement red								N/A
5. Are records comp		•						Y
6. Are health certification	ates for introd	ductions (outw	ith GB) availa	able?				N/A
Transport Records								
1. Are any movemen	nts carried ou	t by (or on be	half) of the bu	isiness (not us	ing a STB)?			
If yes, is there a syst	em in place f	or maintenan	ce of transpor	rtation records	?			
Mortality Records								
1. Mortality records a								N/A
2. How are mortalitie	s disposed o	f?			Other (detail	1)		
If other detail:			10					NI/A
3. Mortality records of	•	correctly ente	ered?					N/A
4. Recent mortality (I	· ·							NI/A
5. Evidence of recen								N/A
If yes, facility nos/no	топанту рег	facility/no sto	ck per racility	reason:				
6. Any other peaks ir	n mortality du	ring period ch	necked?					N/A
If yes, detail:	Thiortamy and	ring ponta	cencu.					
7. Have increased (u	inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality eve	ents' been re	ported to FHI	? If no, add M	IRT case and e	enter on mort	ality events	sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08	8/10/2018
TH 000, Version 12	issued by. I Til	Date of issue. 00	# 10/2010
1. Recent treatments (last 4 wks)?  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 remova  3. Has the manner and period in which the APB will reincreased (unexplained) mortality at the site been in	notify Scottish Ministers or vete		
4. Has the action that will be taken in the event that the is detected been included and how and when that will be taken in the event that will be detected been included and how and when that will be detected been included and how and when that will be action to the event that the event tha	rill be notified to Scottish Minist	ers?	
6. Have the husbandry and biosecurity measures impersance transmission of disease been covered (movement of 7. Is documentation available regarding the measure aquaculture animals held on site?  8. Have the biosecurity procedures been adequately If no, detail:	staff, visitors, equipment, live is in place to maintain the phys	or dead fish etc.)?	
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?

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

Records checked between:

3. Any significant results?

27/08/18-31/01/19

Site No: SS0759

Case No: 2019-0034

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No:	2019-0034	Date of visit: 29/01/2019								
Site No:	SS0759	Inspector:								
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
Report Summary Case Type										
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
MOV	08/02/2019									





Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0530
 Date of Visit
 31/01/2019

 Site No
 SS0759
 Site Name
 Fearna

 Inspector
 Case No
 20190034

#### Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of mussel spat for placing on the market in the Republic of Ireland was inspected. Health certificates were issued which must travel with the consignments to the destination. The official authority in the importing country has been notified.

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

Signed: Date: 04/02/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0036			Date of visit: 19/02/2019
Time spent on site:	5.5 hours	Main I	nspector:
Site No: FS0708 Business No: FB0169	Site Name: Business Name:	Portree The Scottish Salmon C	Company
Case Types: 1 ECI	2 CNI 3 SLA	4 VMD 5 DIA	A 6
Water Temp (°C): 8.6	Thermometer No:	Site	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA M-26
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	nal information/clinical score sheet. nal information/clinical score sheet. nal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detai	l reason below:	

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0036	]	Site No:	FS0708	3			
Date of Visit:		19/02/201	9		Inspector(s):			]
Registration/Authoral Business/site det	ails summary		site representa	ative?			Y	1
2. Changes made to	o details?						Υ	J
Site Details			_			_		
Total No facilities		10	Facilities sto	cked	8	No facilitie	s inspected	8
Species	sal	lum						
Age group	18 S0's	2018's						
No Fish	840,000	18,605						
Mean Fish Wt	500g	40g						
Next Fallow Date (S	Site)	Apr-20		Next Input Da	ate (Site)	Sep 2020		
Recent (last 4 wks)	disease nroh	lems?		N	Any escapes	(since last	visit\?	N
If yes, detail:	uisease prob	icilis:		'	Arry escapes	(Sirice last	visit):	IN
Movement Record								
Movement record		r incondition?						
2. Date of last inspe		inspection?					07/11/2017	'
3. Are records comp		ootly optored	2				07/11/2017	
4. Are movement re		•		,				Ý
5. Are records comp								Ÿ
6. Are health certific		•		able?				N/A
Transport Records		`	•					
1. Are any moveme		ıt by (or on be	ehalf) of the bu	usiness (not us	ing a STB)?			N
If yes, is there a sys			•		_			
Mortality Records								
1. Mortality records	available for i	inspection?						Y
2. How are mortaliti	es disposed o	of?			Ensiled - on s	site		
If other detail:								
3. Mortality records	complete and	d correctly en						Y
4. Recent mortality	(last 4 wks):		wk4(1400 - 0 0.37%)	0.16%) wk5 (3	733 - 0.44%) v	vk6 (2521 -	0.30%) wk7(	3151 -
5. Evidence of recei	•	atvnical morta						N
If yes, facility nos/no				/reason:				
n yee, raemy reem	ре							
6. Any other peaks	in mortality du	uring period c	hecked?					N
If yes, detail:				, =				
7. Have increased (		mortalities be	een reported to	vet or FHI?				N/A
If yes, detail action:		enorted to EH	I2 If no ladd M	IRT case and	enter on morta	lity events s	heet	N/A
B. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.  N/A								

Issued by: FHI	Date of issue: 08/10/2018
	Y
02, T.M.S.	
pection?	Y
entered?	Y
	Y
TMS	
?	Y
spection?	Y
nortality removal, recording and safe disposal be	een considered?
h the APB will notify Scottish Ministers or vetering	nary professional of any
/	pection? y entered?

	available for inspection?			Y
•	ete and correctly entered?			Y
4. Are fish in a withdra	•			Y
5. If yes, what treatments	ent(s)?	TMS		
If other, detail: 6. Are medicines store	rod appropriatoly?			
				'
Biosecurity Records				
•	s available for inspection?		F11	Y
	nd frequency of mortality removal, reco		•	Y
	nd period in which the APB will notify Soned) mortality at the site been included?		s or veterinary professional of any	Y
moreaseu (unexplain	ed) mortality at the site been included	•		
4. Has the action that	t will be taken in the event that the pres	sence or suspici	ion of the presence of a listed disease	Y
	uded and <i>how</i> and <i>when</i> that will be no	•	•	
5. Has the health stat	tus of aquaculture animals being stocke	ed on the farm s	site been covered (equal or higher	Y
health status, certifica	ation if required)?		·	
	ry and biosecurity measures implement			Y
	ase been covered (movement of staff, v available regarding the measures in pla		The state of the s	Y
aquaculture animals h		ice to maintain	the physical containment of	
•	ity procedures been adequately implem	nented on site?		Y
If no, detail:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Results of Surveilla	nce			
•	ealth surveillance been carried out by, o	or on behalf of, t	he business?	Y
	available for inspection?			N
3. Any significant resu	uits <i>?</i> etailed under recent disease problems).			IN
ir yes, detail (ii flot de	nalieu unuel recent disease problems).	•		
Re	ecords checked between:	7/11/17 - 19/2	2/19	

#### **Additional Case Information:**

Peroxide treatment took place on the 29th and 30th of January for AGD.

Fish vet group health surveillance - AGD detected but not significant CT scores. Peroxide treatments have been keeping the AGD at bay.

Shorebase awaiting a new landline being installed.

Mortalities are collected from both sites and are ensiled and stored on the barge prior to uplift.

Slice treatment - 18/01/2019 - 12 units treated.

12/12/18 - peroxide treatment 6 units

16/11/2018 - slice treatment 7 units.

During site inspection, Moribund fish were observed in most pens. Also observed was flashing behaviour in some fish with other hanging by the sites of pens. Also observed was visible damage to the heads of fish which site manager indicated was caused by barnacles on the bottom of the hamster wheels. 5 moribund fish were removed for further examination and subsequent diagnostic sampling.

Paperwork and sampling completed by and supervised by

	ni 059, version 12			_				155	sueu by.	ГП			
	Case no:	2019-00	036	Site No:		FS0708			Date of Samplin		19/0	02/2019	19/
	Priority samples:	VI		ВА		РА		MG		ig. HI		1	
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:			VMD No	o. [	5
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Υ	ВА	Υ	MG	Υ	VI	Υ	PA		Total Sar	mples
۰													
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	F5	P1						
	Fish nos	1	2	3	4	5	1-5	6	7	8	9		
	Pool Group	P1	P1	P1	P1	P1							
Г	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL		
	Average weight	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000		
	Sex	N/A	N/A	N/A		N/A		N/A		N/A	N/A		
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW		
tock Details		Geocrab	Geocrab	Geocrab	ص russel burn	ص russel burn		Geocrab	Geocrab	ω Haweswater	ω Haweswater		
O.	T domity 140		1	1	3	9		1	1	0	O		

02/2019	02/2019 Additional Sample Information:												
6	ı	Total To	ests ass	igned	5	1							

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018 Method of killing: Anaesthetic Case no: 2019-0036 Site No: FS0708 Inspector(s): Date of visit: 19/02/2019 Sheet Relevant: Y S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund Lethargic M M M Hanging vertical Spiralling Flashing Loss of equilibrium W W Body Dark Distended abdomen Scale Oedema Opercula Shortened Flared Haemorrhaging Throat Ventrum Base of fins Elsewhere Eyes Exophthalmic Enophthalmic (sunken) Cataract Haemorrhagic Gills Pale W W W W Zoned Necrotic Lesions Flank Elsewhere Vent Inflamed Trailing faeces Lice Load Estimate numbers Internal Signs Clear Ascites Bloody Oedema In tissues Heart Pale/anaemic Granulomas Deformed Liver Petechial haem Gross haem Tissue breakdown Enlarged Colour number(s) Granulomas Lesions Pyloric caeca Petechial haem Tubules mauve Lack of fat Spleen Enlarged Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Swim bladder Haemorrhaging Fluid filled Kidney Swollen Grey Granular Liquefied Parasites present General

Anaemia

Case no: 2019-0036

Date of visit: 19/02/2019

Si for strong presence: M for medium presence: W for w Fish Number Time sampled after death (if > 45 minutes)  Behaviour  Horibund Lethargic  Hanging vertical  Spiralling  Fisshing  Fisshing  Fisshing  Loss of equilibrium  Body  Dark  Ancreace  Copercula  Ancreace  Copercula  Fired  Fired  Hemorrhaging  Fired  Hemorrhaging  Fisshing  Fired  Fi	Date of visit:	19/02/2019	1					
Fish Number Time sampted after death (if > 45 minutes) External Signa Behaviour Lethargic Hanging vertical Spiralling Flishing Fl	<b>S</b> for strong preser	ice. M for medium presence. W for v	A					
Time sampled after death (if > 45 minutes) Ebhaviour Behaviour Lethargic Hanging vertical Spiralling Flashing Flashing Cos of equilibrium Body Dark Ancresc An		oc. III for modium processes. Which						
External Signs		er death (if > 45 minutes)						
Behaviour   Morbund		or accum (in a 40 minutes)						
Lethargic		Moribund						
Hanging vertical								
Spiraling								
Flashing								
Loss of equilibrium								
Body								
Distended abdomen	Body							
Scale Oedema		Distended abdomen						
Shortened		Anorexic						
Flared		Scale Oedema						
Haemorrhaging   Throat	Opercula	Shortened						
Nentrum		Flared						
Base of fins	Haemorrhaging	Throat						
Elsewhere								
Eyes								
Enophthalmic (sunken)								
Cataract	Eyes							
Haemorrhagic								
Gills Pale								
Zoned		Haemorrhagic						
Necrotic	Gills							
Lesions								
Elsewhere								
Vent	Lesions							
Trailing faeces Lice Load Estimate numbers  Setimate numbers  Seti								
Lice Load	√ent							
Internal Signs								
Ascites   Clear	Lice Load	Estimate numbers						
Ascites   Clear	lede en al Oierra							
Bloody		Class						
Oedema         In tissues           Heart         Pale/anaemic           Granulomas         Image: Common of the part of	ASCITES							
Heart	Oodeme							
Granulomas								
Deformed	Heart							
Liver								
Gross haem	liver							
Tissue breakdown   Enlarged   Colour number(s)   Canulomas   Can	LIVEI							
Enlarged								
Colour number(s) Granulomas Lesions Pyloric caeca Petechial haem Tubules mauve Lack of fat Spleen Enlarged Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Swim bladder Haemorrhaging Fluid filled Kidney Granular Liquefied General Parasites present								
Granulomas Lesions Pyloric caeca Petechial haem Tubules mauve Lack of fat Spleen Enlarged Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Swim bladder Haemorrhaging Fluid filled Kidney Granular Liquefied Granular Liquefied General								
Lesions								
Pyloric caeca Petechial haem Tubules mauve Lack of fat  Spleen Enlarged Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Internal haem Swim bladder Haemorrhaging Fluid filled Kidney Granular Liquefied General Farasites present								
Tubules mauve Lack of fat  Spleen Enlarged Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Swim bladder Haemorrhaging Fluid filled Kidney Granular Liquefied General  Parasites present	Pyloric caeca							
Lack of fat         Image: Company of the company								
Spleen         Enlarged								
Granulomas	Spleen							
Gut         No food present	•							
Yellow pseudo-faeces	Gut							
External haem								
Body wall         Haemorrhaging         Image: Comparison of the comparison of								
Swim bladder         Haemorrhaging		Internal haem						
Swim bladder Haemorrhaging Swim bladder Haemorrhaging Swim bladder Fluid filled Swollen Swollen Swollen Swollen Screy Swim bladder Swollen Swollen Screy Swollen Swollen Screy Swollen Swollen Screy Swollen S	Body wall							
Fluid filled	Swim bladder	Haemorrhaging						
Kidney         Swollen		Fluid filled						
Grey	Kidney	Swollen						
Liquefied Seneral Parasites present Seneral Se								
General Parasites present								
	General	Parasites present						
Anaemia Anaemia								

FHI 059, Version 12		Issued by: FHI				Date o	of issue	: 08/10/2018
Case Number:	2019-0036		:	Site No:	FS0708		Insp:	
Date of Visit	19/02/2019			No of mo	ovements/s	upp./dest.		Score
Live fish movements				0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS		0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zon	e or	0	9	18	26	0
·	Number of sup	ncluding third country		0	5	10	14	0
Movements off	Frequency of m		$\dashv$	0	3	6	10	10
Wovernerits on	Number of des			0	3	6	10	3
Exposure via water		Site conf	tacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	,		0				
susceptible to same diseases)	farms upstream or within 1 tidal excursion			1	2	4		2
	Farm is on-line farms upstream		1	3	6		ш	
		or in a coastal zone with category n or within 1 tidal excursion	V	1	4	8		
Management practices			1	None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent wa	aters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro			0				0
	Processing own	n fish (re-cycling risk)		1				
	Processing fish	from MS of equivalent status		2				
	equivalent statu			4				
		from Category III farm		8				
	Processing fish	rfrom Category ∨ farm		10				
Disposal of fish and fish by-	Site's own was	te only processed.		0				
products	Common proce	esses with other farms		3				0
	Collection poin	t for waste from other farms		5				5
Use of unpasteurised feeds	No feeding of u	inpasteurised feed		0				0
	Feeding unpas	teurised feed		5				ш
Biosecurity		Number of	sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		0	1	2		1
	Sites sharing s	taff and equipment		0	1	2		1
Disinfection of equipment	Yes			0				0
between sites, use of footbaths etc.	No			1				0
CoGP/Regulator								
Practices in accordance	Yes			0				0
with regulator or industry code of practice	No			3				
Platform access to cages	Yes			0				0
	No			2				
						Total Rank		22 MEDIUM

Case No:	2019-0036		Site No:	FS0708				
Sea Lice Inspection	(Seawater Sites Only)							
1. Has the site experie	enced sea lice problems	s in the previous 4 years	s?					
2. Is the CoGP Farm I	Management Area (or e	equivalent) fallowed syn	chronously on a single y	ear class basis?				
azamethiphos and em	namectin benzoate) as d in a reasonable period ocumented farm manag	well as access to suitated of time?	sea lice medications (incode biological and/or mediatement relevant to the s	hanical control measu	res, and			
	* *	pection? (Legal SSI, Co	oGP Annex 6)					
			ne SSI and the CoGP? (L	egal SSI, CoGP Anne	x 6)			
7. Are sea lice ( <i>L. sali</i> records are inspected		low the suggested crite	ria for treatment in the C	oGP during the period	that			
8. Have average adult records are inspected	· ·	monis) numbers per fis	h been at a level of 3 or a	above during the perio	d that			
If yes, have these bee	n reported to the Fish I	Health Inspectorate? If r	no, FHI see comment.					
9. Is <i>C. elongatus</i> infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)								
			taken when <i>L. salmonis</i> to have welfare implicat					
11. Has any other acti	on been taken (where a	applicable)?						
12. Have therapeutic	treatments or the action	is taken had a significar	nt impact upon the lice le	vels recorded?				
13. Are treatments, wi	here conducted, carried	out in cooperation between	veen participating farms	?				
14. Is there a harvesti sea lice?	ng strategy for the site,	where fewer population	ns or part populations are	e held without treatmer	nt for			
	cific written lice manage escalation of a sea lice i		aypoints describing set a	actions to deal with red	ognised			
16. Do the sea lice lev	vels observed on stocks	reflect sea lice count d	lata? If no please detail r	easons.				
	enced equipment dama	•	he current or previous pr	-	N Y			
ADD	MML	Top nets	Seal Blinds	Tension nets				
If other, detail below		Top fiets	ocal billias	Tension nets				
Morts everyday weath								
		perienced on or in the vi	icinity of the site since th	e last FHI inspection?	N			
If Yes proceed with qu	uestions 4 – 9. If No skip ported to Scottish Minis	p to question 10	·	·				
5. Have these been re	ported to local DSFB fo	orthwith (where they exi	st)? (CoGP - 4.4.37, 5.4	1.17)				
6. Have these been re	eported to the SSPO an	d local fisheries trusts for	orthwith (where they exis	t)? (CoGP – 4.4.37, 5.	4.17)			
7. Were methods (if a	ny) used to recover esc	capees? If yes give deta	il					
8 If all note were don	loved was this action a	greed with local wild field	n interests and was perm	ission given by Scotti	sh			
Ministers? (Legal, Co		greed with local wild list	rinterests and was peril	iission given by scotts	"·			
, -	•	imise the risk of further	escapes? (Not covered i	n code but could				
	er satisfactory measu							
10. Is the site inspecte	ed as satisfactory with r	egards to containment?	If no, please detail reas	on(s)	Y			

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0036	Site No: FS0708	
Date of Visit: 19/02/2019	Inspector:	
Point of Compliance		
1. Is the farm under inspection located	within a farm management area?	Y
If N, no further questions require compl	letion.	
Points of Compliance for Both Farm	Management Agreements and Statements	
<ol> <li>Is the current FMAg/S available for ir</li> <li>Does the FMAg/S identify the relevants.</li> <li>Does the FMAg/S identify the fish fair</li> <li>Does the FMAg/S identify the date of</li> <li>Does the FMAg/S identify the date of</li> </ol>	nt farm management area? rm site(s) to which it applies? f commencement of the agreement or stateme f review?	Y Y Y
Arrangements for Fish Health Manag	jement	
8. Does the FMAg/S identify the minimularm?	um health standards for the stocks to be introd	duced to the area or
10. Does the FMAg/S identify the speci	ation requirements for stocks held in the area ies of fish which may be stocked into the area mum stocking density of any pen on any farm i	or farm?
12. Does the FMAg/S identify the arran fish farm in the area or the individual fa	gements for the storage and disposal of any darm?	lead fish from any
Arrangements for The Management	of Sea Lice	
13. Does the FMAg/S identify arrangement	nents for the sharing of data on sea lice number	ers and treatments?
14. Does the FMAg/S identify the available of statement?	ability and the use of medicines on farms cover	red by the agreement Y
15. Does the FMAg/S identify any requilice on farms in the area or individual fa	irements for the sensitivity testing of available farms?	treatments for sea
16. Does the FMAg/S identify the circurused on farms in the area or individual	mstances under which biological controls and of farms?	
17. Does the FMAg/S identify the arran	gements for synchronous treatments on farms	s within the area?
Live Fish Movements		
area or farm?	mstances when live fish may be introduced or gements for the movement of live fish on and	

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Harvesting		
20. Does the FMAg/S identify acceptable	le harvest practices on farms in the area or individ	ual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be restoo	by which the area or individual farm will be fallow cked?	and the earliest
22. Does the FMAg/S identify whether o agreement or statement?	one or more year classes may be stocked onto site	es covered by the Y
-	proodstock or potential broodstock are to be kept on ?	on any site Y
Point of Compliance for Farm Manage	ement Agreements Only	
24. Does the farm management agreem parties to the agreement?	nent include arrangements for persons to become	e, or cease to be,
Management and operation		
25. Is the fish farm being managed and	operated in accordance with the agreement or sta	atement?
26. What is the version no/date of issue	of the FMAg/S? 11.7.2018	

Site No: FS0708

Case No: 2019-0036

Nature of non-compliance:
Action taken (FHI):
Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No: 2019-0036 Site No: FS0708

Date of visit: 19/02/2019 Inspector(s):

Point for consideration Risk level Satisfactory? Requirement Comments and advice given or action taken if necessary

#### **ENHANCED SEA LICE INSPECTION CHECKLIST**

a. Inspection of sea lice records				
1.1 Are sea lice count records available for inspection?	Medium	Υ	CoGP 1.2.1, 1.2.2,	
1.2 Do records adequately reflect the required standard specified in	Low & Medium	Υ	Annex 6	
the SSI <sup>1</sup> and the CoGP <sup>2</sup> ?			SSI 1,2,	
(Counts should be weekly, record the person making the count, date				
of the count, number of fish sampled (should be 25), pen or facility				
number recorded, water temperature <sup>3</sup> , number of parasites observed				
and correct stages recorded <sup>4</sup>				
1.3 Where weekly counts are not conducted is the reason for not	Low	N/A	SSI 1,2(g)	
conducting the count stated?				
1.4 Is that reason considered acceptable by the Inspector? Give	Low	N/A		
detail.				
1.5 Has the site experienced sea lice problems in the previous 4		N	Detail if necessary:	
years?				
<ul> <li>b. Inspection of records relating to treatment and control of sea li</li> <li>2.1 Has appropriate action been taken where:</li> </ul>	ce			
•••	Llink	V	CoGP Annex 6	
a) L. salmonis record levels have been above the suggested criteria for treatment?	High	T	COGP Allilex 6	
b) C. elongatus infestation is at a level considered to cause significant	High	N/A	CoGP 4.3.81, 5.3.50	
welfare problems				
2.2 Is therapeutic treatment initiated ASAP where required?	Medium	Υ	CoGP 4.3.130, 5.3.84	
2.3 Where medicines have been administered there should be a			∨MD <sup>12</sup> 19	
record of :			SSI 1,3	
the name / identity of the product	High	Υ		
the date of administration	High	Υ		
the quantity (concentration and amount) administered	High	Υ		
the method of administration of the product	High	Υ		
the identification of the fish / facilities treated	High	Υ		
name of the person administering the treatment	Low	Υ		
the withdrawal period	Medium	Υ		
2.4 If the medicine is administered by a veterinary surgeon:			VMD 18	
the name of the veterinary surgeon	High	Y		
name of the product	High	Y		
batch number	High	Υ		

Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
High	Υ		
High	Υ		
High	Υ		
Medium	Υ		
nt High	Y		
•			
Low	Y	SSI, 1,4	Lump fish deployed for sea lice control winter 2018
		VMD 19	
Medium	Υ	VMD 17	
High	Υ		
High	Υ		
Medium	Υ		
High	Υ		
Medium	Υ		
		VMD 19	
Medium	N/A		
Medium	N/A		
Medium	N/A		
Medium	Y	CoGP 4.3.129, 5.3.83	
Medium	у	CoGP 4.3.134, 5.3.88	
Medium	N/A	CoGP 4.3.135, 5.3.89	
Medium	У	CoGP 4.3.135, 5.3.89	
Medium	У	CoGP 4.3.133, 5.3.87	
	High High High Medium High  Medium High High Medium High Medium	High High High Wedium High Y High Y High Y High Y  High Y  Medium Y  High Y  Medium Y  Medium N/A  Medium N/A  Medium N/A  Medium Y  Medium N/A  Medium N/A  Medium Y  Medium N/A  Medium Y  Medium N/A  Medium Y  Medium N/A  Medium Y  Medium N/A  Medium Y	High High High High Wedium High Y Medium Y High Y Medium Y High Y Medium Y Holin N/A Medium N/A CoGP 4.3.135, 5.3.89 Medium V CoGP 4.3.135, 5.3.89

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary	
2.14 Does the site have treatment discharge consents relevant to sea lice?		У	Detail if necessary:		
c. Inspection of records relating to farm management groups and	farm managen	nent agreements			
3.1 Is there a nominated farmer acting as coordinator and point of	Low	Υ	SSI 1,5,b		
contact for this farm or area inclusive of this farm?			CoGP 4.3.75, 5.3.44		
3.2 Is there a written undertaking that the farm will observe the	Low	Υ	CoGP 4.3.76, 5.3.45		
provisions of the NTS <sup>6</sup> ?					
3.3 Has an area group been formed within the area containing the site?	Medium	N/A	CoGP 4.3.77, 5.3.46		
3.4 Does the remit of the area group have appropriate veterinary involvement? Consider: -agreed basis for monitoring sea lice	Medium	N/A	CoGP 4.3.77, 5.3.46 SSI 1,5, c		
-coordinated monitoring and treatment -co-operation between participating farms					
This may require follow up investigation conducted off site to determine					
3.5 Are records available of any decisions made by the FMG in relation to the prevention, control and reduction of parasites?	Low	N/A	SSI 1, 5, c		
3.6 Where treatments have been administered is this done in accordance with principles to maximise the effectiveness of treatments, promote the minimal use of medicines consistent with the maintenance of high standards of fish welfare and help preserve their efficacy?	Medium	Y	4.3.82, 5.3.51		
For example, the principles of ISLM include:  Resistance monitoring – reporting suspected adverse drug event (SADE) to the VMD.					
The steps to determine if resistance is considered a reason for a suspected lack of efficacy (e.g. Bio-assay tests and results, seeking veterinary advice)					
Appropriate discharge consent in place Use of authorized medicines with veterinary instruction and advice as necessary					
Monitoring lice numbers					
Using an array of treatments where possible					
Treating all stocks on site at the same time					
Avoiding the simultaneous use of different active ingredients					
Avoiding consecutive treatments of the same active ingredient, and					
certainly not on the same cohort of lice					
Routine removal of moribund fish and regular removal of mortalities.					
3.7 Are weekly monitoring results communicated to other farmers within the defined area?	High	N/A	CoGP 4.3.78, 5.3.47		

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
3.8 Is this done 'as soon as reasonably possible where lice numbers	High	N/A	CoGP 4.3.79, 5.3.48	
exceed the suggested criteria for treatment?				
3.9 Is sea lice data and other information relevant to the management of sea lice provided to the SSPO?	Low	Y	CoGP 4.3.80, 5.3.49	
3.10 Are annual review meetings held by FMA groups to evaluate site performance against set criteria?	High	N/A	CoGP 4.3.83, 5.3.52	
3.11 Is there a signed documented farm management agreement or farm management statement relevant to the site and CoGP Farm Management Area (or equivalent)?		Y	AFSA <sup>13</sup> 4A  Detail if necessary:	
3.12 Are up to date copies of FMS available from other APB operating within the same FMA?	Medium	N/A	CoGP 4.3.88, 5.3.57	
3.13 Are significant changes to FMS notified to other companies within the FMA?	Medium	N/A	CoGP 4.3.89, 5.3.58	
3.14 Is there co-operation between APB's operating within the FMA in the development and implementation of FMAg?	Medium	N/A	CoGP 4.3.90, 5.3.59	
3.15 Are copies of FMS or FMAg available for inspection?	Medium	Υ	AFSA 4B	
3.16 Does the FMS or FMAg take into account the relevant aspects regarding a sea lice control strategy?	Medium	Υ	CoGP 4.3.91, 5.3.60	
3.17 If the FMA has been redefined, is there documented evidence to demonstrate that the risks to health within and outwith the area is not increased by the proposal?	High <sup>10</sup>	N/A	CoGP 4.3.92, 5.3.61	
3.18 Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single year class basis?	High	Y	CoGP 4.3.100	
3.19 If answered no to 3.18, then is there a documented risk assessment which meets the requirements of CoGP point 4.3.101?	High	Y	CoGP 4.3.101	
d. Inspection of records relating to training and procedures				
4.1 Is there a training programme or plan in place relevant to sea lice control for the site?	High	Υ	CoGP 7.1.8	
4.2 Are training records available for relevant staff in relation to:			CoGP 4.1.6, 5.1.6 SSI, 1,1	
parasite identification	High	Υ	CoGP 4.3.84-86,	
counting parasites (procedures for)	High	Υ	5.3.53-55	
recording counts	High	Υ		
biology and life cycle of parasites	Low	Υ		
symptoms of parasite infection in fish	Low	Υ		
4.3 Have staff been trained in the administration of treatments?	High	Y	CoGP 4.1.6, 5.1.6 CoGP 4.3.84, 5.3.53	

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
N.B. there is no legal requirement to maintain a record of this				
Where records exist regarding SOPs and site procedures these				
should be inspected to confirm suitability				
e. Inspection of site and site stock				
5.1 Are medicines used, stored and disposed of safely?	Medium	Υ	VMD schedule 5	
5.2 Do the sea lice levels observed on stocks reflect sea lice count data?	High	Y		
Refer to section e) of guidance notes				
5.3 Does the site appear satisfactory in terms of fish welfare relating to sea lice infestation?	High	Υ		
f. Inspection of farm count procedures				
6.1 Are pens and fish sampled at random?	Low	Υ	CoGP Annex 6,	
6.2 Have the personnel conducting counts had appropriate training in lice recognition and recording?	High	Y	4.3.84-86, 5.3.53-55	
(Cross reference to training records – Section d)				
6.3 Can such personnel demonstrate post training competence?	High	Υ	CoGP 4.3.85, 5.3.54	
6.4 Do the sample sizes and methods of sampling match the CoGP suggested protocol (detailed iii – vii)?	Medium	Υ	Annex 6	10 fish per pen sampled
N.B. Other strategies are acceptable if considered adequate in the control and reduction of sea lice				
6.5 Is identification and recording of sea lice count information including species and stages observed to be correct?	High	Y	Annex 6	
Minimum recording requirements within the CoGP and NTS are:				
for Caligus elongatus all identifiable stages and for Lepeophtheirus salmonis chalimus, mobiles and adult females (with or without egg				
strings) <sup>11</sup>				
6.6 Is the transfer of data from field counts to records observed to be satisfactory?	Medium	Y		
g. Inspection of treatment administration procedures				
7.1 Are treatments considered to be administered in an appropriate competent manner?	High	N/A		
Consider appropriate use of tarpaulins; completion of medication per prescription, correct concentrations, mixing and administrations,				
appropriate product used				
7.2 Is accurate information provided to the attending veterinary	High	Υ	CoGP 4.3.131, 5.3.85	
surgeon for dosage calculation?				
7.3 Are the fish under consideration being given any other medication,		Υ		
or are they in a withdrawal period for any other medication?				

Point for consideration	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
7.4 If so, has the prescribing veterinary surgeon been informed of	Medium	Υ	CoGP 4.3.132, 5.3.86	
7.5 Are clear instructions for medication, dosage and administration communicated to the staff responsible for treatment?	High	Υ	CoGP 4.3.133, 5.3.87	
communicated to the staff responsible for treatment?				

Additional actions	Powers	Comments and advice given or action taken if necessary
h. FHI sea lice counts  If necessary conduct a sea lice count in accordance with the protocol of the CoGP. Indicate where this procedure has been done and make a record of results within the comments box	Power granted under the Act – section 3 (2) (a)	
i. Collection of samples  If necessary collect samples. Indicate if samples have been taken and detail what those samples are and the purpose of their collection	Power granted under the Act — section 3 (3) (a)	
j. Enforcement Notice.  If an enforcement notice has been issued then maintain a copy / duplicate and record detail  Guidance on completing the Enforcement Notice	Power granted under the Act – Section 6 (2)	

- [1] Scottish Statutory Instrument The Fish Farming Businesses (Record Keeping) (Scotland) Order 2008
- [2] A Code of Good Practice for Scottish Finfish Aquaculture
- [3] Water temperature to be measured at the half way point of the depth of the facility containing the fish, or as close to as possible. For SW cage sites one reading per count may be s
- [4] Recording requirements:- for C. elongatus all identifiable stages and for L. salmonis mobiles and adult females (with or without egg strings)
- [5] Area refers to management area as specified within Part 3 of the industry CoGP or as redefined appropriately
- [6] For reference Annex 6 of the CoGP provides the detail of the NTS
- [7] FMA = Farm Management Area
- [8] FMS = Farm Management Statement
- [9] FMAg = Farm Management Agreement
- [10] No further action may be required when answering no to this point and yes to 3.18
- [11] Legal recording requirements within the SSI stipulate for Caligus elongatus: mobiles; and for Lepeophtheirus salmonis: non-gravid mobiles and gravid females.
- [12] VMD The Veterinary Medicines Regulations 2013 (SI 2013 No 2033)
- [13] AFSA Aquaculture and Fisheries (Scotland) Act 2007 (as amended)

Case No: 2019-0036 Date of visit: 19/02/2019 Site No: FS0708 Inspector: Results Summary Freq. Date of Notification Database Writing Insp Phone Insp Insp 2<sup>nd</sup> Insp 29/03/2019 Mg IHNQ 26/02/2019 26/02/2019 0/1 MG IPN 1/1 29/03/2019 26/02/2019 26/02/2019 26/02/2019 26/02/2019 MG ISA 0/1 29/03/2019 29/03/2019 MG SAV 26/02/2019 26/02/2019 0/1 26/02/2019 29/03/2019 MG VHS 0/1 26/02/2019 5/5 29/03/2019 MG AGDQ 26/02/2019 26/02/2019 29/03/2019 MG PARA THER Q 3/5 26/02/2019 26/02/2019 MG Sal Pox 5/5 29/03/2019 26/02/2019 26/02/2019 Skin Pathology 4/5 08/03/2019 08/03/2019 29/03/2019 Liver Pathology 5/5 08/03/2019 29/03/2019 08/03/2019 29/03/2019 BA V SPE 5/5 25/03/2019 25/03/2019 **BA NSIG** 2/5 25/03/2019 25/03/2019 29/03/2019 **BA PHOT** 2/5 25/03/2019 25/03/2019 29/03/2019 Report Summary 2<sup>nd</sup> Insp Case Type Date Insp ECI 27/02/2019 CNI 27/02/2019 VMD 27/02/2019 SLA 07/03/2019 DIA 25/03/2019





The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0169
 Date of Visit
 19/02/2019

 Site No
 FS0708
 Site Name
 Portree

 Inspector
 Case No
 20190036

## **Section 1: Summary**

During a routine inspection of the above site, a number of moribund and lethargic Atlantic salmon were observed. Three lethargic and two moribund fish were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed dermatitis, ulcer, marked presence of bacteria (likely secondary), skeletal muscle necrosis. The lesions are likely associated with mechanical damage. Hepatic necrosis was noted in one fish.

Due to the gill health issues reported on site, samples were screened for salmon gill poxvirus, *Neoparamoeba perurans* (causative agent of amoebic gill disease) and *Paranucleospora theridion* (syn, *Desmozoon lepeophtherii*) by QPCR. Samples tested positive for all three pathogens.

Pooled real-time PCR (QPCR) results were positive for infectious pancreatic necrosis virus (IPNV) and partial sequencing of the VP2 gene revealed the strain to belong IPNV genogroup V with an avirulent motif.

Three *Vibrio* spp were isolated, although the level observed was high, the purity would not suggest it was the primary source of morbidity at this time. A low level of *Photobacterium* sp. was also isolated.

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

During a routine inspection of the Portree site, a number of moribund and lethargic Atlantic salmon were observed in a number of pens. Three lethargic and two moribund fish were removed for further examination and subsequent diagnostic sampling. No significant mortalities had been reported since input with 3151 mortalities (0.37%) recorded for the week prior to the site inspection.

Externally F3 was anorexic in appearance with F2 and F3 displaying bilateral exopthalmia. The gills of all five fish were slightly zoned with lesions present on the flank of F1 and on the heads of F2-5.

Internally the pyloric caeca of F2 and F4 lacked fat with mauve tubules and petechial haemorrhaging evident in F5. The gut of F5 had yellow pseudo faeces present.

#### Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1-3	1	1	Atlantic Salmon	500g/18S0's	Geocrab
4-5	1	9	Atlantic Salmon	500g/18S0's	Russel Burn

#### Results

**Bacteriology:** Kidney, gill, and lesion material from F1-5 were inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated from fish F1-5:

- Vibrio spp.: F1 (Lesion, Gill); F2 F5 (Kidney, Lesion, Gill);
- Photobacterium sp.: F1 (Kidney); F2 (Lesion).

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

Infectious pancreatic necrosis virus (IPNV)

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
P1	18.31	28.76	26.99	27.27	POSITIVE

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value	,	Cp Values		Reported Result (PCR)
F1	22.03	30.93	31.09	31.03	POSITIVE
F2	22.02	30.83	30.74	30.78	POSITIVE
F3	21.61	30.27	30.59	30.92	POSITIVE
F4	21.31	35.77	36.52	36.46	POSITIVE
F5	22.51	34.79	35.17	36	POSITIVE

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), 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).

Neoparamoeba perurans

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	22.03	33.47	33.55	33.32	POSITIVE
F2	22.02	35.89	36.42	36.82	POSITIVE
F3	21.61	30.33	30.13	29.95	POSITIVE
F4	21.31	34.05	34.49	33.78	POSITIVE
F5	22.51	36.49	36.8	37.02	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F3	21.61	>40	>40	>40	POSITIVE
F4	21.31	33.1	33.09	33.33	POSITIVE
F5	22.51	39.35	>40	>40	POSITIVE

**Histology:** Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from 5 fish. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Remains of plankton-like structure between two gill filaments noted in F3. Free blood among gill filament and lamellar congestion noted in F5 (likely associated with the killing method) and generalized epithelial lifting noted in F4 (likely post-mortem artefact).

Skin & Muscle: Absence of epidermal layer, mild dermal oedema with presence of high numbers of rod-shaped bacteria that stained Gram negative. The bacteria were noted in the hypodermis and distal part of the red muscle (F1-F4). Mild haemorrhage and leucocyte infiltration also noted in hypodermis (F1 & F4). Mild red muscle necrosis (F1-F4).

Heart: Presence of eaosinophilic granular cells (EGC) at the bulbus (F1).

Gut and pyloric caeca: Mild cell sloughing (likely post-mortem artefact). Pancreas: Within normal range.

Liver: Mild diffuse hepatocyte vacuolation (F1, F2, F3), moderate multifocal hepatic necrosis (F4) and small foci of hepatic haemorrhage and necrosis (F5).

Kidney: Slightly increase of melanomacrophages aggregates (MMA) (F3), few renal tubules with dilated lumen (F1, F2).

Spleen: Slightly congested (F3)



Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 28/03/2019





The Scottish Salmon Company 1 Smithy Lane Lochgilphead Argyll PA31 8TA

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0169
 DATE OF VISIT
 19/02/2019

 SITE NO
 FS0708
 SITE NAME
 Portree

 INSPECTOR
 CASE NO
 20190036

#### **ENHANCED SEA LICE INSPECTION**

An enhanced sea lice inspection to ascertain the levels of sea lice and for assessing the measures in place for the prevention, control and reduction of sea lice was conducted in accordance with the Aguaculture and Fisheries (Scotland) Act 2007.

The visit consisted of an inspection of records with regards to sea lice, the stock on site, site procedures with regards to sea lice and the provision of advice.

#### a) Inspection of sea lice records

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

#### b) Inspection of records relating to treatment and control of sea lice

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

# c) Inspection of records relating to farm management groups and area management agreements.

The site meets the requirement of current Scottish industry best practice. There were no recommendations made and no further action is required.

#### d) Inspection of records relating to training and procedures

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

## e) Inspection of site and site stock

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

## f) Inspection of farm count procedures

An inspection of site staff conducting and recording a sea lice count was carried out. The site meets the requirement of current Scottish industry best practice. No recommendations made or further action required.

## g) Inspection of treatment administration procedures

Procedures were not inspected as a treatment was not taking place at the time of inspection. However, discussions on procedures with the company correspondent would suggest that the site meets the requirement of current Scottish industry best practice.

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: 07/03/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>





The Scottish Salmon Company 1 Smithy Lane Lochgilphead Argyll PA31 8TA

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0169
 DATE OF VISIT
 19/02/2019

 SITE NO
 FS0708
 SITE NAME
 Portree

 INSPECTOR
 CASE NO
 20190036

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

All epidemiological units were inspected. 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.

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 Scotland 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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

#### 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 fish farm management agreements and statements and containment and escapes

An enhanced sea lice inspection was conducted. A separate report will be issued in due course.

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

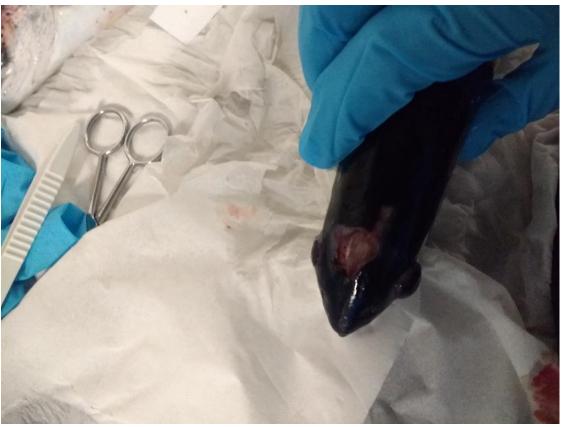
Date: 27/02/2019



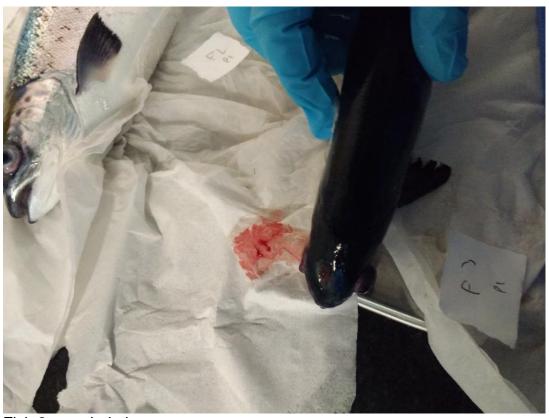
Fish 1



Fish 2



Fish 2 exopthalmia



Fish 3 exopthalmia



Fish 4



Fish 4 lesion



Fish 5

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0037			Date of visit: 04/02/2019
Time spent on site: 5.	5 hours	Main Inspe	ctor:
Site No: FS0226 Business No: FB0119	Site Name: Business Name:	Inchmore Mowi Scotland Ltd	
Case Types: 1 ECI 2	2 CNI 3 VMD	4 5	6
Water Temp (°C):	Thermometer No:	T146	FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional inf	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detai	I reason below:	

#### **Additional Case Information:**

All ova in from Norway - Mowi

import from 19/12/18 - fish split with Finfish. Electronic cert detailed Inverpolly has destination. Consignment was split at Aberdeen airport. Finfish have original copy. Imports team to contact Mowi.

Morts peak; 0.46%/site/week - post vaccine weeks 5 and 6.

Withdrawal for TMS, formalin, pyceze weeks 5 and 6 post vaccine use.

Ova health reported to be very good. Average of 0.28% in 8 weeks, including hatch in Q3 fish.

Q4 fish; 0.41% morts - hatching morts in 6 weeks.

No longer able to get pyceze for future treatments

Paperwork; Sampling Inspection and

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018	
Case No:	2019-0037		Site No:	FS0226	3				
Date of Visit:		04/02/2019			Inspector(s):			]	
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y	]	
Site Details									
Total No facilities		17	Facilities sto	cked	17	No facilitie	s inspected	17	
Species	sal	sal	sal						
Age group	Q2 smolts	Q3 alevins	Q4 alevins						
No Fish	2,519,305	1,400,000	800,000						
Mean Fish Wt	47g	1g	1g						
Next Fallow Date (S	ite)	none		Next Input Da	ate (Site)	Thursday	-ova		
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N	
If yes, detail:									
Movement Records	S								
1. Movement record	s available fo	r inspection?						Y	
2. Date of last inspe							12/11/2018		
3. Are records comp		ectly entered?	?					Y	
4. Are movement re		•		•				Y	
5. Are records comp	lete and corr	ectly entered?	?					N/A	
6. Are health certific	ates for intro	ductions (outv	vith GB) availa	able?				N	
Transport Records									
Are any movement		t by (or on be	half) of the hi	isiness (not iis	ing a STR\?			N	
If yes, is there a syst			•		_				
Mortality Records  1. Mortality records a	available for i	nepection?							
2. How are mortalities		•			Incinerated -	on site			
If other detail:	es disposed c	/I :			incinerated -	OII SILC			
3. Mortality records	complete and	correctly ent	ered?					Y	
4. Recent mortality (			see addition	al info					
5. Evidence of recer	•	typical morta						N	
If yes, facility nos/no				/reason:					
,,	, , , , , , , , , , , , , , , , , , ,	,	, , , , , , , , , , , , , , , , , , , ,						
6. Any other peaks i	n mortality du	ring period ch	necked?					N	
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, add MRT case and enter on mortality events sheet.  N/A									

If yes, detail: post v	ac on Q2 smolts pyceze and formalin	
If other, detail:		
2. Medicines records available for inspec	ction?	Y
3. Are records complete and correctly en	itered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin, , TMS	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
Biosecurity records available for insper	ection?	Y
•	rtality removal, recording and safe disposal been considered?	Y
	he APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the	•	Y
, , ,		
4. Has the action that will be taken in the	e event that the presence or suspicion of the presence of a listed disease	Y
is detected been included and how and	when that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture a	animals being stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?		
	neasures implemented between each epidemiological unit to minimise	Y
·	movement of staff, visitors, equipment, live or dead fish etc.)?	
	the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?		
8. Have the biosecurity procedures been If no, detail:	adequately implemented on site?	'
Results of Surveillance		
1. Has any animal health surveillance be	een carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspect	· ·	Y
3. Any significant results?		N
If yes, detail (if not detailed under recent	disease problems).	

12/11/18- 4/2/19 Records checked between:

	11 055, VEISION 12		Issued by. 1111										
	Case no:	2019-00	)37	Site No:		FS0226			Date of Samplin		04/0	02/2019	
	Priority samples:	VI		ВА		PA		MG	Samplin	g. HI		l	
	Time sampling starts/ends:	15:0	0:00				Inspecto	or:			VMD No	o.	22
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-8	9-16	17-24	25-32	33-40	41-48	49-56	57-64	65-72	73-80	81-88	
	Pool Group												
	Species	sal	sal	sal	sal	sal	sal	sal	sal	sal	sal	sal	
	Average weight	0.4500	0.4500	0.4500	0.4500	0.4500	0.4500	0.4500	0.4500	0.4500	0.4500	0.4500	
	Sex												
	Water Type	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	
		/ay	/ay	/ay	/ay	/ay	Norway	/ay	/ay	/ay	/ay	/ay	
		20	NO.	Norway	N.O	Norway	orv	NO.	Norway	Norway	Norway	Norway	
		Ž	Ž		Ž	Ž	Ž	Ž			Ž		
ails		ag	ag	ag	ag	ag	ag	ag	ag	ag	ag	ag	
Details	1	tev	tev	tev	tev	tev	tev	tev	tev	tev	tev	tev	
	•	Tveitevag, Norway ova	Tveitevag, Norway ova	Tveitevag, ova	Tveitevag, Norway ova	Tveitevag, ova	Tveitevag, ova	Tveitevag, Norway ova	Tveitevag, ova	Tveitevag, ova	Tveitevag, ova	Tveitevag, ova	
tock	Stock Origin Facility No	<u>⊢ 6</u> B9	<u>⊢ 6</u> B8	L	A7	<u>⊢ 6</u> A1	A6	<u>⊢ 6</u> A4	A2	<u>⊢ 6</u> a5	)	<u>⊢ 6</u> A9	
S	T domey 140	פט	D0	טם	ΛI	ΛI	Α0	A4	MZ	aJ	70	<b>A9</b>	

	Addition	nal Sam	ple Infor	mation:											
	killed using TMS														
0	1	Total To	ests ass	igned	0	l									

FHI 059, Version 12		Issued by: FHI			Date o	of issue	: 08/10/2018
Case Number:	2019-0037		Site No:	FS0226		nsp:	
Date of Visit	04/02/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	
with GB) of susceptible species		novements on from equivalent zone or			40	00	
species	compartment in Number of sup	ncluding third country	0		18 10	26 14	9
			<u> </u>				
Movements off	Frequency of m		0		6	10	10
F	Number of des		0		6	10	10
Exposure via water Water contacts with other	Farm is protect	Site contacts red (secure water supply through	<u> </u>	1-5	6-10		
farms (holding species	disinfection or l		0				
susceptible to same diseases)		or in a coastal zone with category I	1	2	4		
uiseases)		n or within 1 tidal excursion or in a coastal zone with category III	<u>'</u>		4		—
		n or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
	tarms upstream	n or within 1 tidal excursion	1	4	8		$\overline{}$
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0	]			0
the rules of the directive	Processing own	n fish (re-cycling risk)	1				ш
	Processing fish	from MS of equivalent status	2	1			-
		from zone or compartment of	,				ш
	equivalent state	us n from Category III farm	4				⊢
		n from Category ∀ farm	8				$\vdash$
			10				
Disposal of fish and fish by- products		· · ·	0				0
products	Common proce	esses with other farms	3				
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0
	Feeding unpas	teurised 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 s	taff and equipment	0	1	2		
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				ш
CoGP/Regulator				•			
Practices in accordance	Yes		0	1			0
with regulator or industry code of practice	No		3				Ш
Diatform seems to seems	Yes			1			
Platform access to cages			0				0
	No		2	J			
					Total		35
					Rank		HIGH

Case No:	2019-0037		Site No:	FS0226	
Sea Lice Inspection (	• •	the			
•	nced sea lice problems in	•			
		valent) fallowed synchronou			
azamethiphos and ema can these be deployed 4. Is there a signed do	amectin benzoate) as wel in a reasonable period of cumented farm manageme	ed in-feed and bath sea lice I as access to suitable biolog time? ent agreement or statement	gical and/or mec	hanical control measu	res, and
Management Area (or					
5. Are sea lice count re	ecords available for inspec	tion? (Legal SSI, CoGP Ann	nex 6)		
6. Do records adequate	ely reflect the required sta	ndard specified in the SSI a	nd the CoGP? (L	egal SSI, CoGP Anne	x 6)
7. Are sea lice ( <i>L. salm</i> records are inspected?	· · · · · · · · · · · · · · · · · · ·	the suggested criteria for tre	eatment in the Co	oGP during the period	that
8. Have average adult records are inspected?	· ·	nis) numbers per fish been a	at a level of 3 or a	above during the perio	d that
If yes, have these beer	reported to the Fish Hea	Ith Inspectorate? If no, FHI s	see comment.		
9. Is C. elongatus infe	station at a level which is o	considered to cause significa	ant welfare probl	ems? (CoGP 4.3.81, 5	.3.50)
		red or other actions taken what will be detected to have a considered to have			
11. Has any other action	on been taken (where appl	licable)?			
12. Have therapeutic tr	eatments or the actions ta	aken had a significant impac	t upon the lice le	vels recorded?	
13. Are treatments, wh	ere conducted, carried ou	t in cooperation between par	rticipating farms?	?	
14. Is there a harvestin sea lice?	g strategy for the site, who	ere fewer populations or par	t populations are	e held without treatmen	t for
	ific written lice manageme scalation of a sea lice infe	ent procedure with waypoints station?	s describing set a	actions to deal with rec	ognised
16. Do the sea lice leve	els observed on stocks ref	flect sea lice count data? If n	no please detail r	easons.	
Containment Inspect	on				
•		due to predators in the curre	ent or previous pr	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the	predation experienced on si	te? (Detail below	<b>'</b> )	Υ
inside and rentokill c	ontract				
If other, detail below:					
2. Usus sasana inaida	nto or ovento been eventi	anced on or in the vicinity of	i tha aita ainea th	a last EUI inspection?	N
		enced on or in the vicinity of	the site since th	e last FHI inspection?	
	estions 4 – 9. If No skip to ported to Scottish Minister				
5. Have these been rep	ported to local DSFB forth	with (where they exist)? (Co	GP – 4.4.37, 5.4	1.17)	
		cal fisheries trusts forthwith			4.17)
7. Were methods (if an	y) used to recover escape	ees? If yes give detail			
8. If gill note were deal	oved was this action acro-	ed with local wild fish interes	te and was norm	niesion givon by Soettie	.h
Ministers? (Legal, CoG		ed with local wild fish interes	ots and was perm	iission given by Scottis	"
, -		se the risk of further escapes	? (Not covered i	n code but could	
	r satisfactory measures				
	•	ards to containment? If no, pl	lease detail reas	on(s)	Υ

Issued by: FHI

FHI 059, Version 12

Date of issue: 08/10/2018

Site No: FS0226
Case No: 2019-0037
Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No:	2019-0037			Date of visit:	04/02/2019			
Site No:	FS0226	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
5								
Report Summary Case Type								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI, CNI, VMD	05/03/2019							





Mowi Scotland Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0119
 Date of Visit 04/02/2019

 Site No
 FS0226
 Site Name
 Inchmore

 Inspector
 Case No
 20190037

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

Issues were identified with health certification for the import of ova from Norway on the 19th December 2018. (Copies of the certification showed an incorrect destination site.) This issue has been referred to the trade team of the FHI for further investigation.

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.

R04

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 Scotland 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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

### 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.

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 05/03/2019

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0039			Date of visit: 05/02/2019
Time spent on site:	hours	Main Insp	pector:
Site No: FS1269 Business No: FB0119	Site Name: Business Name:	Lochailort Recirculation H Mowi Scotland Ltd	atchery
Case Types: 1 ECI	2 CNI 3 VMD	4 MIX 5	6
Water Temp (°C): 9.1	Thermometer No:	T146	FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

#### Additional Case Information:

Fish currently going out to Ardentoul and Greishornish to salt water

Import of ova due from Norway this evening (5/2/19)

Had problems with mortalities in smolting fish. Undetermined what specific issue was (lights, PH, Potassium levels) but when salt water added to 2ppt the mortalities dropped off. Site manager mentioned issues with gill pump and possible water quality issue. These fish have now been moved to SW and are reported to be doing well.

Mort detailed below are for Q1 smolts only.

wk 5 - 2958 - 0.11%

wk 4 - 94266 - 3.13%

wk 3 - 23175 - 0.76%

wk 2 - 397 - 0.01%

All fish gone to sea now. Affected Tanks -

tank 47 - 16643

tank 50 - 40276 - 24.9%

tank 51 - 61275 - 37.9%

Paper work, sampling; Inspection

Mortality spike noted during the week beginning 5th of November - This was due to incident during a grade where the fish to be culled were trapped in the run off pipe to their tank and due to stress and lack of oxygen started dying over following 2 weeks. An additional 49433 fish were culled as part of a routine grading of fish. Due to a large number of alevins on site at the time the total site mortality was under the reporting threshold, however separated into age classes the mortality should have been reported.

Wk beginning 5th of November 2018

Smolt Unit - Opening count - 3685396 - avg wght(23.8g) mortality (89511 - 2.43%)

Parr Unit - Opening Count - 1495705 - avg wght(54.73g) Mortality ( $226\ 0.02\%$ ) total site mortality for fish > $5g = 89737\ 1.73\%$ 

Wk beginning 12th of November

Smolt Unit - Opening Count - 3569958 - avg wght(23.8g) Mortality (30565 0.68%)

Parr Unit - Opening Count - 1089149 - Avg wght(65.3g) Mortality (193 0.02%) Total site mortality for fish >5g = 30758 - 0.66%

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0039		Site No:	FS1269				
Date of Visit:		05/02/2019	9		Inspector(s):			]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y	
Site Details								
Total No facilities		56	Facilities sto	cked	31	No facilities	s inspected	31
Species	sal	sal						
Age group	19 s1's	S0's						
No Fish	1,464,710	2,403,361						
Mean Fish Wt	83.5g	0.55g						
Next Fallow Date (S	ite)	n/a		Next Input Da	ite (Site)	5/2/19 - ov	a from Norw	ay
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last)	/isit)?	N
If yes, detail:					,,	(	,	
Movement Records	5							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspe							03/07/2018	
3. Are records comp		ectly entered	?					Y
4. Are movement re	cords availab	le for dead fis	sh and waste?					Y
5. Are records comp	lete and corre	ectly entered?	?					Y
6. Are health certific	ates for introd	luctions (outv	vith GB) availa	able?				Y
Transport Records								
Are any movement		t by (or on be	half) of the bu	isiness (not usi	ing a STB)?			N
If yes, is there a syst				•	_			
Mortality Records								
Mortality records a	available for i	nspection?						Y
2. How are mortalities					Incinerated -	on site		
If other detail:					momerated	OH OILC		
3. Mortality records	complete and	correctly ent	ered?					Y
4. Recent mortality (	•	<b>,</b>		al information				
5. Evidence of recer	•	tvpical morta						Y
If yes, facility nos/no				/reason:				
see additional comm		,	1 7					
6. Any other peaks i		ring period cl	necked?					Y
If yes, detail:		al informatior						
7. Have increased (u				vet or FHI?				N
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	heet.	N

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)?	ormalin, TMS	
If other, detail:		
6. Are medicines stored appropriately?	L	Y
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recording	ng and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scott	tish 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 present	ce or suspicion of the presence of a listed disease	Y
is detected been included and how and when that will be notified	· · · · · · · · · · · · · · · · · · ·	
5. Has the health status of aquaculture animals being stocked		Y
health status, certification if required)?	on the farm one poon covered (equal or higher	
<ol><li>Have the husbandry and biosecurity measures implemented transmission of disease been covered (movement of staff, visit</li></ol>		Y
		V
7. Is documentation available regarding the measures in place aquaculture animals held on site?	to maintain the physical containment of	
Have the biosecurity procedures been adequately implement	ited on site?	Y
If no, detail:	ica di i dic.	
Results of Surveillance		
Has any animal health surveillance been carried out by, or or	n behalf of the business?	Y
2. If yes, are results available for inspection?	The Social Co., the Social Co.	Y
3. Any significant results?	<u> </u>	N
If yes, detail (if not detailed under recent disease problems).		
ii yoo, adaan (ii not adaanda anadi redent aldeade problems).		
Records checked between:	/7/18_ 5/2/10	

Add Fish/Pools - click         Pool/Fish No         Image: Control of the control of	-		0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
Add Fish/Pools - click    Pool/Fish No	н													
Add Fish/Pools - click  Pool/Fish No	Į	Pool Group												
Add Fish/Pools - click	H		1-6	7-12	13-18	19-24	25-30	31-36	37-40	41-44	45-48	49-52	53-56	57-60
	A													
	-	Time sampling	42.4	30:00			1	Inspect	I			VMD No	_	31

	Addition	nal Sam	ple Infor	mation:											
	Killed w	ith TMS	5												
0	0 Total Tests assigned 0														
61-64															
Sal															
0.1000															
<b></b> \//															
FW															
>															
wa															
Norway															
45															

FHI 059, Version 12		Issued by: FHI			Date of	of issue	: 08/10/2018
Case Number:	2019-0039		Site No:	FS1269		Insp:	
Date of Visit	05/02/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	9
	Number of sup	ncluding third country	0			14	5
Mayamanta off							10
Movements off	Frequency of m		0			10 10	10
Exposure via water	rtumber er des	Site contacts		_			
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or l	,	0				0
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		
,		or in a coastal zone with category III					-
		n or within 1 tidal excursion	1	3	6		igwdot
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
	namio apotroan	TOT WILLIAM T LIGHT EXCEPTION	<u> </u>				
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 pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2	1			-
	Processing fish equivalent state	from zone or compartment of us	4				
	Processing fish	from Category III farm	8	1			
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	1			0
products	Common proce	esses with other farms	3				
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0
·	Feeding unpas	•	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 s	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				-
CoGP/Regulator				•			
Practices in accordance	Yes		0	]			0
with regulator or industry code of practice	No		3				$\vdash$
ous of pructice				J			
Platform access to cages	Yes		0				0
	No		2				
					Total		30
					Rank		HIGH

Case No:	2019-0039	S	ite No:	FS1269	
Sea Lice Inspection (					
•	nced sea lice problems in the previous	•		lb'- <b>0</b>	
	lanagement Area (or equivalent) fallow				
azamethiphos and ema can these be deployed 4. Is there a signed do	access to a range of licenced in-feed ar amectin benzoate) as well as access to in a reasonable period of time? cumented farm management agreemer	o suitable biological an	nd/or mech	nanical control measur	res, and
Management Area (or					
	cords available for inspection? (Legal				
6. Do records adequate	ely reflect the required standard specific	ed in the SSI and the (	CoGP? (Le	egal SSI, CoGP Anne	x 6)
7. Are sea lice ( <i>L. salm</i> records are inspected?	onis) record levels below the suggester (CoGP Annex 6)	ed criteria for treatment	t in the Co	GP during the period	that
8. Have average adult records are inspected?	female sea lice ( <i>L. salmonis</i> ) numbers	per fish been at a leve	el of 3 or a	bove during the period	d that
If yes, have these beer	reported to the Fish Health Inspectora	ate? If no, FHI see com	nment.		
9. Is C. elongatus infes	station at a level which is considered to	cause significant welf	are proble	ems? (CoGP 4.3.81, 5	.3.50)
	eatments been administered or other a reatment or where <i>C. elongatus</i> is cons				
11. Has any other action	on been taken (where applicable)?				
12. Have therapeutic tr	eatments or the actions taken had a sig	gnificant impact upon t	the lice lev	vels recorded?	
13. Are treatments, wh	ere conducted, carried out in cooperati	on between participati	ng farms?		
14. Is there a harvestin sea lice?	g strategy for the site, where fewer pop	pulations or part popula	ations are	held without treatmen	t for
	ific written lice management procedure scalation of a sea lice infestation?	with waypoints descri	bing set a	ctions to deal with rec	ognised
16. Do the sea lice leve	els observed on stocks reflect sea lice	count data? If no pleas	se detail re	easons.	
Containment Inspecti	on				
1. Has the site experien	nced equipment damage due to predat	ors in the current or pr	evious pro	oduction cycles?	N
2. Are measures in pla	ce to mitigate against the predation exp	perienced on site? (De	tail below)	)	Υ
rent a kill	indoors				
If other, detail below:					
					N
•	nts or events been experienced on or i	n the vicinity of the site	e since the	e last FHI inspection?	N
	estions 4 – 9. If No skip to question 10 ported to Scottish Ministers?				
4. Have these been rep	orted to ocollish ministers:				
5. Have these been rep	ported to local DSFB forthwith (where the	hey exist)? (CoGP - 4	.4.37, 5.4	.17)	
6. Have these been rep	ported to the SSPO and local fisheries	trusts forthwith (where	they exist	e)? (CoGP – 4.4.37, 5.4	4.17)
7. Were methods (if an	y) used to recover escapees? If yes given	ve detail			
8. If gill nets were deple	oyed was this action agreed with local v	wild fish interests and	was permi	ission given by Scottis	h
Ministers? (Legal, CoG					
9. What action was tak	en to prevent and minimise the risk of t	further escapes? (Not	covered in	n code but could	
	r satisfactory measures of the Act)				
10. Is the site inspecte	d as satisfactory with regards to contain	nment? If no, please d	etail reasc	on(s)	Υ

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Site No: FS1269

Case No: 2019-0039

Nature of non-compliance:
Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No: 2019-0039 Site No: FS1269 Date of visit: 05/02/2019

Start date:	applicable)	Size of fish:	Average weight of affected population:		Yearclass:	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select reason(s):
05/11/18	11/11/2018	5g to smolting	23.8g	SAL	19Q1's	Weekly	1.73	Explained	Water supply failure
		+							
	_								

If unexplained, select observations:	Total mortality during event (if available):	Additional information (e.g. action taken by company):	Action taken by FHI (include case no where applicable):
	89737	Accident due to new staff in training. Training continuing to reduce risk in future.	Fish were due to be culled. Mortality event lasted 1 week. No further action. Alevins on site at the time so overall site mortality was not above the reporting threshold

Case No:	2019-0039			Date of visit:	05/02/2019			
				Date of Tielt.	00/02/20/0	•		
Site No:	FS1269			Inspector:		1		
Results Summary	Freq.			Da	te of Notifica	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary				1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI, CNI, VMD	21/02/2019							
ECI, CNI, VMD MIX	21/02/2019							
	1							
	1							
	Ī		1					





Mowi Scotland Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0119
Site No FS1269
INSPECTOR

Date of Visit 05/02/2019
Site Name Lochailort Recirculation Hatchery
Case No 20190039

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

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.

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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

#### 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.

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 15/02/2019

FHI 059, Version 12	Is	sued by: FHI		Date o	f issue: 08/10/2018
Case No: 2019-0040				Date of visit:	06/02/2019
Time spent on site:	hours	M	lain Inspector	: <b>[</b>	
Site No: FS0649 Business No: FB0119	Site Name: Business Name:	Loch Arkaig Mowi Scotland Ltd			
Case Types: 1 ECI	2 CNI 3 VMD	4	5	6	
Water Temp (°C): 6	Thermometer No:	T146	]	FHI 045 comp	leted
Observations:	Region: HI	Water type:	F	CoGP MA	
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see ad	ditional inforn	nation/clinical s nation/clinical s nation/clinical s	core sheet.
UNI/REG only - if unable to carry	out intended visit detail r	eason below:			

#### **Additional Case Information:**

Site Stocking more fish than normal due to Loch Lochy freshwater site fallowing for an abnormally long period of time. Site manager mentioned that Lochy had been experiencing various health issues and were in fallow currently.

wk 5 (1570- oc- 2140452)

wk 4 (oc - 1791165 - morts- 491)

wk 3 (oc- 1791583 - morts - 402)

wk 2 (oc - 1791913 - morts - 454)

Paperwork and sampling - Inspection -

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0040		Site No:	FS0649	]			
Date of Visit:		06/02/2019			Inspector(s):			]
Registration/Author  1. Business/site detai  2. Changes made to 0	ils summary		ite representa	ative?			Y N	- }
Site Details								
Total No facilities		24	Facilities sto	cked	24	No facilitie	s inspected	24
	sal							
3-3	Q2							
No Fish	2,244,584							
Mean Fish Wt	70g							
Next Fallow Date (Site	e)	29th April		Next Input Da	ate (Site)	august 20	19	
Recent (last 4 wks) di	isease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records								
1. Movement records	available fo	r inspection?						Y
2. Date of last inspect		·					14/11/2018	
3. Are records comple		•						Y
4. Are movement reco								Y
5. Are records comple		•						Y
6. Are health certificate	tes for introd	luctions (outw	ith GB) availa	able?				N/A
Transport Records								
1. Are any movement	ts carried ou	t by (or on be	half) of the bu	ısiness (not usi	ing a STB)?			N
If yes, is there a syste	em in place f	or maintenan	ce of transpor	rtation records	?			
Mortality Records								
1. Mortality records a	vailable for i	nspection?						Y
2. How are mortalities If other detail:	s disposed o	f?			Incinerated -	on site		
3. Mortality records co	omplete and	correctly ente	ered?					Y
4. Recent mortality (la		,	see addition	al comments				
5. Evidence of recent	increased/a	tvpical mortal						N
If yes, facility nos/no r				/reason:				
6. Any other peaks in	mortality du	ring period ch	ecked?					N
If yes, detail:				, 5,00				NI/A
7. Have increased (ur	nexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality eve	nts' heen re	norted to EHI	2 If no ladd M	RT case and a	enter on morta	lity evente s	sheet	N/A
o. Have infortality eve	ins been le	ported to 1 mi	: Il IIO, aud IVI	in the case and e	JINET OIT IIIOI LA	my events s	oneet.	I W/A

1. Recent treatments (last 4 wks)?	Y
If yes, detail: Formalin, T.M.S., Pyceze	
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)? Formalin TMS	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	Y
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	Y
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	Y
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	V
7. Is documentation available regarding the measures in place to maintain the physical containment of	1
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?  If no, detail:	1
ii no, detaii.	
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: 14/11/18- 8/2/19

Total Samples

### Add Fish/Pools - click

Summary samples

Environmental conditions:

1 Indoors

BA

HIST

starts/ends:

	Pool/Fish No									
	Fish nos	1-8	9-16	17-24	25-32	33-41				
	Pool Group									
Г	Species	Sal	Sal	Sal	Sal	Sal				
	Average weight	70g	70g	70g	70g	70g				
	Sex									
	Water Type	FW	FW	FW	FW	FW				
tock Details	Stock Origin Facility No	5 Finfish	9 Finfish	∞ Finfish	Finfish	Finfish				
S	I acility NO	2	0	0	4	1				

	Addition	nal Sam	ple Infor	mation:							
	fish kille	ed with 1	ГМS								
0	l	Total To	ests ass	igned	0	l					

FHI 059, Version 12		Issued by: FHI			Date of	of issue	: 08/10/2018
Case Number:	2019-0040		Site No:	FS0649		Insp:	
Date of Visit	06/02/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	
Special Control of the Control of th	Number of sup	ncluding third country	0			14	0
Movements off			0			10	10
Movements on	Frequency of n Number of des		0			10	6
Exposure via water	rtuiliber er des	Site contacts		_			
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or l	,	0				0
susceptible to same diseases)		or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		1
,		or in a coastal zone with category III					$\vdash$
		n or within 1 tidal excursion	1	3	6		igspace
		or in a coastal zone with category V or within 1 tidal excursion	1	1	8		
	iainis apstream	TOT WILLIAM FACULSION	<u>'</u>	-	°		
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 pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent state	from zone or compartment of us	4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	1			0
products	Common proce	esses with other farms	3				-
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	0	1			0
·	Feeding unpas	teurised feed	5	1			-
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing s	taff and equipment	0	1	2		1
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				-
CoGP/Regulator				J			
Practices in accordance	Yes		0	1			0
with regulator or industry code of practice	No		3				$\vdash$
out of practice				J			
Platform access to cages	Yes		0				0
	No		2				
					Total		18
					Rank		MEDIUM

Case No:	2019-0040	Site No:	FS0649	
Sea Lice Inspection (	••			
•	nced sea lice problems in the previous 4 years			
	lanagement Area (or equivalent) fallowed syn			
azamethiphos and ema can these be deployed 4. Is there a signed doo	access to a range of licenced in-feed and bath amectin benzoate) as well as access to suitab in a reasonable period of time? cumented farm management agreement or sta	ole biological and/or med	chanical control measures	, and
Management Area (or e				
	ecords available for inspection? (Legal SSI, Co	· ·		,
6. Do records adequate	ely reflect the required standard specified in the	e SSI and the CoGP? (L	Legal SSI, CoGP Annex 6	)
7. Are sea lice (L. salm records are inspected?	onis) record levels below the suggested criter (CoGP Annex 6)	ria for treatment in the C	oGP during the period that	at
8. Have average adult records are inspected?	female sea lice ( <i>L. salmonis</i> ) numbers per fisl	h been at a level of 3 or	above during the period the	hat
If yes, have these been	n reported to the Fish Health Inspectorate? If r	o, FHI see comment.		
9. Is C. elongatus infes	station at a level which is considered to cause	significant welfare probl	lems? (CoGP 4.3.81, 5.3.	50)
	reatments been administered or other actions reatment or where <i>C. elongatus</i> is considered			
11. Has any other actio	on been taken (where applicable)?			
12. Have therapeutic tr	eatments or the actions taken had a significar	nt impact upon the lice le	evels recorded?	
13. Are treatments, who	ere conducted, carried out in cooperation betv	veen participating farms	?	
14. Is there a harvestin sea lice?	g strategy for the site, where fewer population	s or part populations are	e held without treatment fo	or
	ific written lice management procedure with w scalation of a sea lice infestation?	aypoints describing set a	actions to deal with recog	nised
16. Do the sea lice leve	els observed on stocks reflect sea lice count d	ata? If no please detail r	reasons.	
Containment Inspecti	on			
1. Has the site experier	nced equipment damage due to predators in t	he current or previous p	roduction cycles?	N
2. Are measures in place	ce to mitigate against the predation experience	ed on site? (Detail belov	v)	Υ
electric fence	bird nets			
If other, detail below:				
				IN.
•	nts or events been experienced on or in the vi	cinity of the site since th	ne last FHI inspection?	N
	estions 4 – 9. If No skip to question 10 ported to Scottish Ministers?			
4. nave tilese beeli let	Jorded to Scottisti Millisters?			
5. Have these been rep	ported to local DSFB forthwith (where they exis	st)? (CoGP - 4.4.37, 5.4	4.17)	
6. Have these been rep	ported to the SSPO and local fisheries trusts for	orthwith (where they exis	st)? (CoGP – 4.4.37, 5.4.1	7)
7. Were methods (if an	y) used to recover escapees? If yes give deta	il		
8. If gill nets were deplo	oyed was this action agreed with local wild fish	n interests and was pern	nission given by Scottish	
Ministers? (Legal, CoG				
9. What action was tak	en to prevent and minimise the risk of further	escapes? (Not covered	in code but could	
	r satisfactory measures of the Act)			
10. Is the site inspected	d as satisfactory with regards to containment?	If no, please detail reas	son(s)	Υ
	_			

Issued by: FHI

FHI 059, Version 12

Date of issue: 08/10/2018

Site No: FS0649

Case No: 2019-0040

Nature of non-compliance:
Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

Case No:	2019-0040	Date of visit: 06/02/2019						
Site No:	FS0649	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	<del>                                     </del>							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI, CNI, VMD	06/02/2019		2 11135					
, ,								





Mowi Scotland Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0119
Site No FS0649
Site Name Loch Arkaig
Inspector
Case No 20190040

#### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

Mortality records were inspected and found to be adequately maintained.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

R04

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.

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 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

### 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.

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

.

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Date: 15/02/2019