FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0319			Date of visit: 10/07/2019
Time spent on site:	hrs	Main Ir	nspector:
Site No: FS0552 Business No: FB0456	Site Name: Business Name:	St Mungos Dawnfresh Farming Ltd	
Case Types: 1 ECI 2	2 CNI 3	4 5	6
Water Temp (°C): 8.5	Thermometer No:	T156	FHI 045 completed
Observations:	Region: TA	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see addition	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Additional Case Information:

4 tanks and 4 troughs stocked on farm - ova from Denmark. Also take ova from NI. Most fish are moved off site to Frandy at about 1.5g. Also sent a batch to Westmill in April 2019.

Water is spring fed and very clear. Have increased flow rate to ensure everything is kept very clean to combat gut fungus which has been observed in younger stock during health managers weekly tests. Fungus observed last week and a pyceze flush treatment was administered to younger stock, causing increased mortality levels to drop back down within days. Monthly health reports from health manager stated that last few batches of ova through had very good survival of 98% from ova to hatch, with very low levels of deformities being observed.

No moribund or dead observed on site.

Hot weather last year didn't cause any major problems - only one batch was moved off site to Frandy slightly earlier than planned due to decrease in water.

FHI 059, Version 12			Issu	ed by: FHI			Date of issue	e: 08/10/2018
Case No:	2019-0319		Site No:	FS0552				
Date of Visit:		10/07/2019]		Inspector(s):			
Registration/Autho	risation Deta	ails						
1. Business/site deta	ails summary	checked by s	ite representa	ative?			Υ	
2. Changes made to	details?						Υ	
Site Details								
Total No facilities		17	Facilities sto	cked	8	No facilitie	s inspected	1/
Species	rtr	rtr						
Age group	fry	fry						
No Fish	80k	88k						
Mean Fish Wt	0.085 g	0.6 g						
Next Fallow Date (S	ite)	n/a		Next Input Da	ate (Site)	August 20	19	
Recent (last 4 wks)	disease probl	ems?		Y	Any escapes	(since last)	vieit\2	N
If yes, detail:			inger hatch, f	ungus also obs				
•		rangas in you	anger baton, r	angus also ob.	SCIVCU CATCITIC	any ni uno be	atom last week	
Movement Records	S							
1. Movement record	s available fo	r inspection?						Y
Date of last insper							17/01/18 DC	В
Are records comp		•						Y
4. Are movement re-	cords availab	le for dead fis	h and waste?	•				Y
Are records comp	lete and corre	ectly entered?	•					Y
6. Are health certific	ates for introd	luctions (outw	ith GB) availa	able?				Y
Transport Records	,							
1. Are any movemen	nts carried ou	t by (or on be	half) of the bu	ısiness (not us	ing a STB)?			Y
If yes, is there a syst	tem in place f	or maintenan	ce of transpo	rtation records	?			Y
Mortality Records								
1. Mortality records a								Y
2. How are mortalities	es disposed o	f?			Ensiled - on :	site		
If other detail:								
3. Mortality records	complete and	correctly ente						Y
4. Recent mortality (last 4 wks):		morts/trough 20/trough/we	n/week are 200 eek	-300 post hat	ch but fall qu	uickly to under	•
5. Evidence of recer	nt increased/a	tvpical mortal	ities?					Y
If yes, facility nos/no		••		/reason:				
Last week fungus of		•			oughs stocked	with ~23k -	treated with r	ovceze flush
and mortality levels	•	_	, and the second				· ·	
6. Any other peaks in	n mortality du	ring period ch	ecked?					N
If yes, detail:								
7. Have increased (u	ınexplained) ı	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	IRT case and e	enter on morta	lity events s	heet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?		Y
If yes, detail:	ze	
If other, detail:		
2. Medicines records available for inspe		Y
3. Are records complete and correctly e	entered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Pyceze	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for insp	pection?	Y
•	ortality removal, recording and safe disposal bee	en considered?
3. Has the manner and period in which	the APB will notify Scottish Ministers or veterina	ry professional of any
increased (unexplained) mortality at the	e site been included?	Y
	ne event that the presence or suspicion of the pro	
is detected been included and how and	d when that will be notified to Scottish Ministers?	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	animals being stocked on the farm site been co	vered (equal or higher Y
health status, certification if required)?		
	measures implemented between each epidemic	
	(movement of staff, visitors, equipment, live or d	
7. Is documentation available regarding aquaculture animals held on site?	g the measures in place to maintain the physical	containment of Y
8. Have the biosecurity procedures bee	en adequately implemented on site?	Y

If no, detail:

- 1. Has any animal health surveillance been carried out by, or on behalf of, the business?
- 2. If yes, are results available for inspection?
- 3. Any significant results?

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

Last few batches of eggs very good survival to hatch 98%, low level of deformities observed.

Records checked between:

18/01/2018 - 10/07/2019

FHI 059, Version 12		Issued by: FHI			Date of	of issue	: 08/10/2018
Case Number:	2019-0319		Site No:	FS0552		Insp:	
Date of Visit	10/07/2019		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	10
with GB) of susceptible species		novements on from equivalent zone or		_	40		
species		ncluding third country	0			26 14	
	Number of sup		0				<u>°</u>
Movements off	Frequency of n		0			10	6
-	Number of des		0			10	3
Exposure via water Water contacts with other	Earm is protect	Site contacts ed (secure water supply through	<u> </u>	1-5	6-10		
farms (holding species	disinfection or		0				
susceptible to same		or in a coastal zone with category I					
diseases)		n or within 1 tidal excursion	1	2	4		1
		or in a coastal zone with category III n or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V					
		n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with	Any processing	plant discharging into adjacent waters			Chiocodic		
processors	, , p. c c c c	, , , , , , , , , , , , , , , , , , , ,	0	1	2		0
On farm processing within	No on farm pro	cessing	0]			
the rules of the directive	Processing own	n fish (re-cycling risk)	4	-			<u> </u>
		n from MS of equivalent status	1				-
		n from zone or compartment of					_
	equivalent stat		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				
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	1			
between sites, use of footbaths etc	No		1				H
CoGP/Regulator			<u>'</u>	J			
Practices in accordance	Yes			1			
with regulator or industry	No		-	-			\vdash
code of practice] 3	J			
Platform access to cages	Yes		0	1			0
	No		2				\vdash
					Total		27
					Rank		HIGH

Case No:	2019-0319	:	Site No:	FS0552	
•	(Seawater Sites Only) enced sea lice problems in the p	previous 4 years?			
2. Is the CoGP Farm N	Management Area (or equivalen	t) fallowed synchronously on	a single ye	ear class basis?	
azamethiphos and em	access to a range of licenced in amectin benzoate) as well as a d in a reasonable period of time ocumented farm management a	access to suitable biological a ?	nd/or mech	hanical control measure	es, and
Management Area (or		•			
5. Are sea lice count re	ecords available for inspection?	(Legal SSI, CoGP Annex 6)			
6. Do records adequat	tely reflect the required standard	d specified in the SSI and the	CoGP? (L	egal SSI, CoGP Annex	6)
7. Are sea lice (<i>L. saln</i> records are inspected)	nonis) record levels below the s (CoGP Annex 6)	suggested criteria for treatmer	nt in the Co	oGP during the period t	hat
	female sea lice (L . salmonis) r 0/6/19) during the period that re	•	el of 3 or a	above (prior to w/b 10/6	/19) or
If yes, have these bee	n reported to the Fish Health In	spectorate? If no, FHI see co	mment.		
9. Is C. elongatus infe	station at a level which is consi	dered to cause significant we	lfare proble	ems? (CoGP 4.3.81, 5.	3.50)
	reatments been administered o treatment or where <i>C. elongatus</i>				
11. Has any other acti	on been taken (where applicabl	e)?			
12. Have therapeutic t	reatments or the actions taken	had a significant impact upon	the lice lev	vels recorded?	
13. Are treatments, wh	nere conducted, carried out in c	ooperation between participat	ting farms?	,	
sea lice?	ng strategy for the site, where fe				
	cific written lice management pr scalation of a sea lice infestation		ribing set a	ections to deal with reco	ognised
16. Do the sea lice lev	els observed on stocks reflect s	sea lice count data? If no plea	ise detail re	easons.	
Containment Inspect	ion				
1. Has the site experie	enced equipment damage due to	o predators in the current or p	revious pro	oduction cycles?	N
2. Are measures in pla	ace to mitigate against the preda	ation experienced on site? (De	etail below)	N/A
Inside secure buildir	ng				
If other, detail below	:				
0. 11		d t th t t th t	4	- I4 FUU !4!0	N
	ents or events been experience	•	te since the	e last FHI Inspection?	IV.
	estions 4 – 9. If No skip to ques ported to Scottish Ministers?	stion 10			
5. Have these been re	ported to local DSFB forthwith ((where they exist)? (CoGP -	4.4.37, 5.4	.17)	
6. Have these been re	ported to the SSPO and local fi	sheries trusts forthwith (where	e they exist	t)? (CoGP – 4.4.37, 5.4	.17)
7. Were methods (if a	ny) used to recover escapees?	lf yes give detail			
9. If all note were dan	loved was this action careed wi	th local wild fish interests and	Wac norm	ission divon by Coeffici	
Ministers? (Legal, Co	loyed was this action agreed wi GP – 4.4.38, 5.4.18)	un local wild lish interests and	was perm	ission given by Scottist	
, -	ken to prevent and minimise the	risk of further escapes? (Not	t covered in	n code but could	
	er satisfactory measures of the				
	ed as satisfactory with regards to		detail reaso	on(s)	Υ

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2019-0319			Date of visit:	10/07/2019			
Site No:	FS0552	l		Inspector:		ı		
Results Summary	Freq.			Dat	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
D								
Report Summary Case Type								
Case Type	Date	Insp	2 nd Insp					
ECI, CNI	11/07/2019							





Dawnfresh Farming Ltd Bothwellpark Industrial Estate Uddingston Lanarkshire G71 6LS

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0456 SITE NO FS0552 INSPECTOR DATE OF VISIT 10/07/2019 SITE NAME St Mungos CASE NO 20190319

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.

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

Mortality records were inspected and found to be adequately maintained.

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

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine 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 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:

Senior Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 11/07/2019

FHI 059, Version 12		Issued by: FHI		Date of issue: 08/10/	/2018
Case No: 2019-0320				Date of visit: 09/07/2019	
Time spent on site:	0 hrs		Main Inspector	:	
Site No: FS1317 Business No: FB0119	Site Name: Business Name:	Rum Mowi Scotland Ltd	d		∃
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD	5 DIA	6	
Water Temp (°C): 12.1	Thermometer No:	T205	_	FHI 045 completed	
Observations:	Region: HI	Water type:	S	CoGP MA	
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		Y If yes, see ac	dditional inform	nation/clinical score sheet. nation/clinical score sheet. nation/clinical score sheet.	
UNI/REG only - if unable to carry	out intended visit deta	il reason below:			

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018

Additional Case Information:

Paperwork with t Fort William office on 9/7/2019

12h per cage freshwater wellboat treatment for gill health and lice from 28th May to 11th June. Pen 5 treated on 1st June, pen 11 treated on 9th June. Increased mortalities reported to FHI on 30/6/19 MRT01093 and MRT01094 and 1/7/19 MRT01095.

Very small consent for slice, therefore not being used currently.

Site stocked 2018 wk 31

Most recent treatment: Pen 5 8/7/2019 with Alphamax. Caligus challenges on site. Treatments administered based on lice counts per week per cage. Numbers for Caligus elevated in the last 2 weeks, treatments with Alphamax conducted.

Rum is a new site and is not currently in a CoGP management area. Therefore no FMA/FMS required.

Site inspected on 10/7/2019. Visibility good, nets very clean. Some wild fish observed in the cages. Jelly fish observed in the cages, especially in pen 6. These are removed whenever possible. Two blind and anorexic fish removed from pen 4. Pen 5 and pen 11 damaged fish with rubbed sides observed. Unable to catch any damaged fish in pen 5 as these were still actively swimming. 5 fish removed from pen 11 for diagnostic sampling. The fish sampled for VMD appeared healthy. Fish in the other pens looking very good.

FHI 059, Version 12			Issu	ied by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0320		Site No:	FS1317]			
Date of Visit:		09/07/2019			Inspector(s)):]
Registration/Autho	risation Deta	ails						
1. Business/site deta			ite representa	ative?			Υ	1
2. Changes made to	•						N	
Site Details								
Total No facilities		12	Facilities sto	cked	12	No facilitie	es inspected	12
Species	SAL							
Age group	2018 Q3							
No Fish	754,974							
Mean Fish Wt	2.97kg							
Next Fallow Date (Si	ite)	Feb 2020		Next Input Da	ate (Site)	April/May 2	2020	
					1			
Recent (last 4 wks)	disease probl	ems?		N	Any escape	s (since last	visit)?	N
If yes, detail:								
Movement Records	9							
Movement records		r inspection?						Y
2. Date of last inspec		пореслоп.					19/06/2018	
3. Are records comp		ectly entered?	,				10/00/2010	Y
4. Are movement red		•						Y
5. Are records comp								Y
6. Are health certification		•		able?				N/A
Transport Records								
Are any movement		t by (or on be	half) of the bu	isiness (not us	ing a STB)?			Y
If yes, is there a syst				•	_			Y
Mortality Records	OI p	01	50 J					
Mortality records a	available for i	nenection?						Y
2. How are mortalitie		•			Ensiled - on	site		
	then to Cum				Elisiled - Oil	Site		
Mortality records of the second of the			ered?					Y
o. mortality	70111p1012 2	oc., oc.,		ept for pen 5 a	nd pen 11 b	etween 8 - 1	28 morts per	day for the
4. Recent mortality (last 4 wks):			w/b/ 1/7/19 wh				
5. Evidence of recen	nt increased/a	typical mortal	ities?					Y
If yes, facility nos/no								
Pen 5 and 11 increa								
following days to bet								
Pen 11: 10th, 11th a								
June: 3,600 morts; 1							1,110 morts, t	then from 21 -
30 June between 1,0	710 to 360 pe	r day for pen	II. Pen II ii	iortality for the	last months.	31,450.		
6. Any other peaks in	n mortality du	ring period ch	necked?					Y
				7 2018, 1.18%	and 1 39% f	or the site (fi	ish less than T	750a)
7. Have increased (u	inexplained)	mortalities be	en reported to	vet or FHI?	and 1.00%.	or the one (SIT ICCO LIGIT .	7 30g).
If yes, detail action:				rvestigated, iss	sues with swi	m bladder su	uspected	
8. Have 'mortality ev								Y

2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)? T.M.S.	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	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)?	
	V
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	1
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 aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	Y
2. If yes, are results available for inspection?	Y
3. Any significant results?	N
If yes, detail (if not detailed under recent disease problems).	
September 2018: (No Suggestions) stock some flank damage, damaged fish dying. (see mort records)	
Records checked between: 19/06/2018 - 10/7/2019	

П	HI 059, Version 12							ISS	sued by:	гпі			
	Case no:	2019-03	320	Site No:		FS1317			Date of Samplin		09/0	7/2019	10/0
	Priority samples:	VI		ВА		PA		MG		ig. Hi			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:			VMD No). [18
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Υ	ВА	Υ	MG	Υ	VI	Υ	PA		Total San	nples
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			
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL			
	Average weight	2.5kg	2.5kg	2.5kg	2.5kg	2.5kg	2.5kg	2.9kg	4kg	2.5kg			
	Sex	N/A	N/A	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			
											1 1		
											1 1		
		_	_	>	>	>	_	_	_	_	1 1		
<u>()</u>		S S	S S	chy	chi	ch.	ch	lan	ch (ch	lan	1 1		
Jetails	8	2	ු	Lo	P	2	의	in	의	inn			
		och Lochy	Loch Lochy	Loch Lochy	och Lochy	Loch Lochy	Loch Lochy	Glenfinnan	Loch Lochy	Glenfinnan			
Stock	Stock Origin	_		1	1								
ţ,	Facility No	11	11	11	11	11	11	3	2	6			

07/2019	Addition	nal Sam	ple Infor	mation:						
6	1	Total To	ests ass	igned	4					

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018

Case no: 2019-0320 Site No: FS1317 Method of killing: Percussive

Case no:	2019-0320]	Site No	o:	FS131	7	Method of killing: Percussive				sive
Date of visit:	09/07/2019]	Inspec	tor(s):				s	heet Re	elevant:	Y
S for strong presen	ce: M for medium presence: W for	weak pres	sence								
Fish Number		F1	F2	F3	F4	IF5					
	er death (if > 45 minutes)	30min	60 min	90 min	120 min						
External Signs											
Behaviour	Moribund	M	M	M	M	M					
	Lethargic	M	М	М	М	M					
	Hanging vertical										
	Spiralling										
	Flashing										
Body	Loss of equilibrium Dark										
Бойу	Distended abdomen										
	Anorexic										
	Scale Oedema										
Opercula	Shortened										
	Flared										
Haemorrhaging	Throat										
	Ventrum										
	Base of fins										
	Elsewhere										
Eyes	Exophthalmic										
	Enophthalmic (sunken) Cataract										
Gills	Haemorrhagic Pale										
Oilis	Zoned	lw									
	Necrotic	 									
Lesions	Flank	S	М	W	М	М					
	Elsewhere										
Vent	Inflamed	W									
	Trailing faeces										
Lice Load	Estimate numbers	~10	~10	~10	~10	~10					
Internal Signs					_						
Ascites	Clear	S	S	S	S	S					
Oedema	Bloody In tissues	3	-	3	3	3					
Heart	Pale/anaemic										
ricart	Granulomas										
	Deformed										
Liver	Petechial haem		M								
	Gross haem										
	Tissue breakdown										
	Enlarged										
	Colour number(s)				8						
	Granulomas										
Pylorio casas	Lesions Petachial beam										
Pyloric caeca	Petechial haem Tubules mauve										
	Lack of fat										
Spleen	Enlarged	w	w	w	w	W					
	Granulomas										
Gut	No food present										
	Yellow pseudo-faeces										
	External haem										
	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
Vide at	Fluid filled										
Kidney	Swollen Grey	W		W		W					
	Granular	1		**		**					
	Liquefied										
General	Parasites present										
	Anaemia										

Case no: 2019-0320

Date of visit: 09/07/2019

Date of visit:	09/07/2019						
S for strong preser	nce: M for medium presence: W for	Λ					
Fish Number	ice. In for mediani precence. When						
	er death (if > 45 minutes)						
External Signs	or double (ii > 40 minutes)						
Behaviour	Moribund						
	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
	Flared						
Haemorrhaging	Throat						
	Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
	Elsewhere						
Vent	Inflamed						
	Trailing faeces						
Lice Load	Estimate numbers						
lede-mail O'cons							
Internal Signs	Clear						
Ascites	Clear Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
neart	Granulomas						
	Deformed						
Liver	Petechial haem						
LIVEI	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						
General	Parasites present						
	Anaemia						

Additional comments:	
Caligus only observed on all fish sampled for the diagnostic. All fish had physical damage, which is suspected to	have
been caused due to issues with the swim bladder during a freshwater treatment in June (issues with swim bladde	r
regulation when subsequently pumping fish off the boat). F5 lesion on both sides.	

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

FHI 059, Version 12		Issued by: FHI			Date of	of issue	: 08/10/2018
Case Number:	2019-0320		Site No:	FS1317		Insp:	
Date of Visit	09/07/2019		No of movements/supp		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	0
Species .	Number of sup	ncluding third country	0			14	0
Movements off	Frequency of n		0			10	10
Movements on	Number of des		0			10	3
Exposure via water		Site contacts	0				
Water contacts with other		ed (secure water supply through					
farms (holding species susceptible to same	disinfection or l	,	0				${f \square}$
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					-
		n or within 1 tidal excursion	1	3	6		ш
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
	namio apolican	TOT WILLIAM T LIGHT CACCATOLOGY	<u> </u>		<u> </u>		
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
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				ш
	Processing fish equivalent state	n from zone or compartment of us	4				
	Processing fish	from Category III farm	8	1			
	Processing fish	n from Category ∨ farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	Ī			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				ш
CoGP/Regulator				•			
Practices in accordance	Yes		0	1			0
with regulator or industry code of practice	No		3				$\vdash \vdash \vdash$
out of practice				J			
Platform access to cages	Yes		0				0
	No		2				
					Total		14
					Rank		LOW

Case No:	2019-0320	Site No: FS1317	
Sea Lice Inspection (S	• •		
 Has the site experien 	iced sea lice problems	s in the previous 4 years?	N
2. Is the CoGP Farm Ma	anagement Area (or e	quivalent) fallowed synchronously on a single year class basis?	N/A
azamethiphos and ema can these be deployed	mectin benzoate) as in a reasonable period		
 Is there a signed doc Management Area (or e 		ement agreement or statement relevant to the site and CoGP Farm	N/A
5. Are sea lice count re	cords available for ins	pection? (Legal SSI, CoGP Annex 6)	Y
6. Do records adequate	ly reflect the required	standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)	Υ
 Are sea lice (L. salmo records are inspected? 		low the suggested criteria for treatment in the CoGP during the period that	Y
		monis) numbers per fish been at a level of 3 or above (prior to w/b 10/6/19) or od that records are inspected?	N
If yes, have these been	reported to the Fish H	Health Inspectorate? If no, FHI see comment.	N/A
9. Is <i>C. elongatus</i> infes	tation at a level which	is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)	N
•		stered or other actions taken when <i>L. salmonis levels</i> have exceeded the elongatus is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)	N/A
11. Has any other action	n been taken (where a	applicable)?	N/A
12. Have therapeutic tre	eatments or the action	s taken had a significant impact upon the lice levels recorded?	Υ
•		out in cooperation between participating farms?	N/A
		where fewer populations or part populations are held without treatment for	Y
15. Is there a site speci- scenarios during the es		ement procedure with waypoints describing set actions to deal with recognised nfestation?	Y
16. Do the sea lice leve	ls observed on stocks	reflect sea lice count data? If no please detail reasons.	Υ
High numbers of Caligu	is observed on letharg	ic fish removed from pen 11, this corresponds to current counts. Site currently	treating
Containment Inspection	on		
•		ge due to predators in the current or previous production cycles?	N
•	• •	the predation experienced on site? (Detail below)	Υ
•	3 3		
If other detail below:			
If other, detail below: tension nets, top nets, s	seal blinds		
· .		perienced on or in the vicinity of the site since the last FHI inspection?	N
If Yes proceed with que		· · · · · · · · · · · · · · · · · · ·	
4. Have these been rep		•	
		orthwith (where they exist)? (CoGP - 4.4.37, 5.4.17)	
6. Have these been rep	orted to the SSPO an	d local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)	
7. Were methods (if any	y) used to recover esc	apees? If yes give detail	
0 16	and are the second		
Ministers? (Legal, CoGI	P – 4.4.38, 5.4.18)	greed with local wild fish interests and was permission given by Scottish	
9. What action was take	en to prevent and mini	mise the risk of further escapes? (Not covered in code but could	
be considered under	satisfactory measu	res of the Act)	
10. Is the site inspected	l as satisfactory with r	egards to containment? If no, please detail reason(s)	Υ

Issued by: FHI

FHI 059, Version 12

Date of issue: 08/10/2018

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0320	Site No: FS1317	
Date of Visit: 09/07/2	2019 Inspector:	
Point of Compliance		
1. Is the farm under inspection loca	ated within a farm management area?	N
If N, no further questions require co	ompletion.	
Points of Compliance for Both Fa	arm Management Agreements and Statements	
3. Is the current FMAg/S available t4. Does the FMAg/S identify the rel5. Does the FMAg/S identify the fisl6. Does the FMAg/S identify the da	levant farm management area? h farm site(s) to which it applies? tte of commencement of the agreement or statement	
7. Does the FMAg/S identify the da	te of review?	
Arrangements for Fish Health Ma	anagement	
8. Does the FMAg/S identify the mi farm?	nimum health standards for the stocks to be introdu	uced to the area or
10. Does the FMAg/S identify the s	ccination requirements for stocks held in the area of pecies of fish which may be stocked into the area of naximum stocking density of any pen on any farm in	or farm?
12. Does the FMAg/S identify the a fish farm in the area or the individu	rrangements for the storage and disposal of any de ual farm?	ead fish from any
Arrangements for The Manageme	ent of Sea Lice	
13. Does the FMAg/S identify arran	ngements for the sharing of data on sea lice numbe	ers and treatments?
14. Does the FMAg/S identify the a of statement?	vailability and the use of medicines on farms cover	
	requirements for the sensitivity testing of available to lal farms?	
16. Does the FMAg/S identify the clused on farms in the area or individ	ircumstances under which biological controls and c dual farms?	
17. Does the FMAg/S identify the a	rrangements for synchronous treatments on farms	within the area?
Live Fish Movements		
18. Does the FMAg/S identify the carea or farm?	ircumstances when live fish may be introduced or r	removed from the
	rrangements for the movement of live fish on and o	off sites in the area

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Harvesting		
20. Does the FMAg/S identify acceptable	e harvest practices on farms in the area or indiv	idual farms?
Fallowing		
21. Does the FMAg/S identify the dates to date when a farm or area may be restood	by which the area or individual farm will be fallowked?	w and the earliest
22. Does the FMAg/S identify whether or agreement or statement?	ne or more year classes may be stocked onto s	ites covered by the
23. Does the FMAg/S identify whether browered by the agreement or statement?	roodstock or potential broodstock are to be kept ?	t on any site
Point of Compliance for Farm Manage	ement Agreements Only	
24. Does the farm management agreem parties to the agreement?	ent include arrangements for persons to becom	ne, or cease to be,
Management and operation		
25. Is the fish farm being managed and	operated in accordance with the agreement or s	statement?
26. What is the version no/date of issue	of the FMAg/S?	

Site No: FS1317

Case No: 2019-0320

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

Case No: 2019-0320 Date of visit: 09/07/2019 Site No: Inspector: SAE FS1317 Results Summary Freq. Date of Notification Database Phone Insp Writing Insp Insp 2nd Insp MG - SAV 02/08/2019 0/1 16/07/2019 MG - ISA 0/1 16/07/2019 02/08/2019 MG - IHN 0/1 16/07/2019 02/08/2019 MG - IPN 02/08/2019 0/1 16/07/2019 MG - VHS 16/07/2019 02/08/2019 0/1 BA - VSPE 5/5 22/07/2019 02/08/2019 GPAT 5/5 31/07/2019 02/08/2019 02/08/2019 SKIN 4/5 31/07/2019 02/08/2019 EPIT 1/5 02/08/2019 Report Summary 2nd Insp Case Type Date Insp ECI, CNI, SLI, VMD 18/07/2019 DIA 02/08/2019





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
SITE NO FS1317
INSPECTOR

 DATE OF VISIT
 09/07/2019

 SITE NAME
 Rum

 CASE NO
 20190320

Section 1: Summary

An inspection was conducted to follow up mortality event reports due to post-treatment damage. Five moribund and lethargic fish with lesions were removed for diagnostic sampling.

Histopathology examination revealed mild multifocal proliferative pathology in the gill and presence few epitheliocystis. Lesions showed ulcerative bacterial dermatitis potentially associated with physical/mechanical damage.

Vibrio spp. were isolated however, overall the level and purity of growth would not suggest these organisms are the primary source of morbidity.

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

Section 2: Case Detail

Observations

Following submission of data for mortality events to the Fish Health Inspectorate (MRT01093 - MRT01095) a site visit was conducted. Mortalities were classed as treatment losses following a 12 hour freshwater wellboat treatment per cage on site between 28th May to 11th June 2019. However, only pen 5 and 11 were experiencing unexpected mortality levels attributed to physical damage and swimbladder issues. Currently the business is still investigating the incident. The week prior to the inspection mortality levels had fallen to 0.45%.

During the site inspection fish with physical damage were observed in pen 5 and pen 11. Fish with damage were unable to be caught from pen 5, however five fish were removed from pen 11 for diagnostic sampling. All five fish were moribund and lethargic and had lesions of varying degrees

on the flank. F1 had zoned gills and a slightly inflamed vent. All fish had a lice burden of approximately 10 *Caligus* per fish of all stages. Internally all fish had bloody ascites and an enlarges spleen. F2 had petechial haemorrhaging on the Liver and F4 had a dark liver. The kidney appeared to have a grey sheen in F1, F3 and F5.

<u>Samples</u>

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

Fish number	Pool number	Facility number	Species	Stage	Origin
F1 – F5	P1	11	Atlantic salmon	2018 Q3, 2.9kg	Loch Lochy

Results

Bacteriology: Kidney, gill, spleen and lesion material from five fish was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated:

- Vibrio sp. Isolate A: F1 & F4 (Lesion, Gill); F2, F3 & F5 (Kidney, Lesion, Gill)
- Vibrio sp. Isolate B: F1 (Kidney, Lesion, Gill); F2, F3 & F5 (Lesion, Gill); F4 (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).

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

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

Histopathological examination by light microscopy revealed the following:

<u>Gill:</u> Mild multifocal interlamellar hyperplasia and lamellar fusion (F1-F5). Few numbers of basophilic epithelial inclusions (likely epitheliocystis) noted in F4 and two plankton-like structures noted in F2. Several scattered aneurysmal dilation/telangiectasia and lamellar thrombi. Free blood among gill filament (likely associated with the method of percussive stunning). Generalised lamellar epithelial lifting note in F5 (likely post mortem artefacts).

<u>Skin & Muscle: Lesion:</u> Absence of epidermal layer, dermal oedema and inflammatory cell infiltration which reaches the upper layer of the hypodermis. Some haemorrhage also noted (F1-F2 & F4-F5). The lesion showed presence of bacteria that stained Gram negative associated with dermal layer.

Heart: Two small thrombi (F2).

<u>Gut and pyloric caeca:</u> Mild to moderate epithelial cell sloughing (likely post mortem artefacts) (F1-F5). Minor fibrous adhesions associated with vaccine administration (F5).

Pancreas: Within normal range.

<u>Liver:</u> Within normal range.

Kidney: Within normal range.

Spleen: Slightly congested (F2, F5).

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 02/08/2019





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
SITE NO FS1317
INSPECTOR

 DATE OF VISIT
 09/07/2019

 SITE NAME
 Rum

 CASE No
 20190320

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 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.

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 2015

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 parasites, containment and escapes. The site is not currently located in a Code of Good Practice Management Area.

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 www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

2019-0320

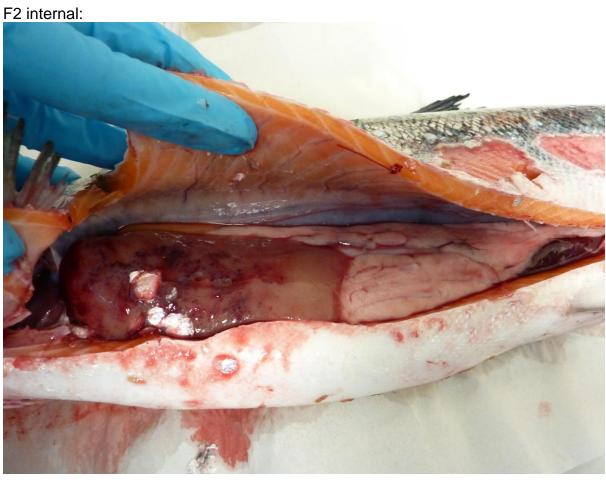
F1 external:





2-TAI 55

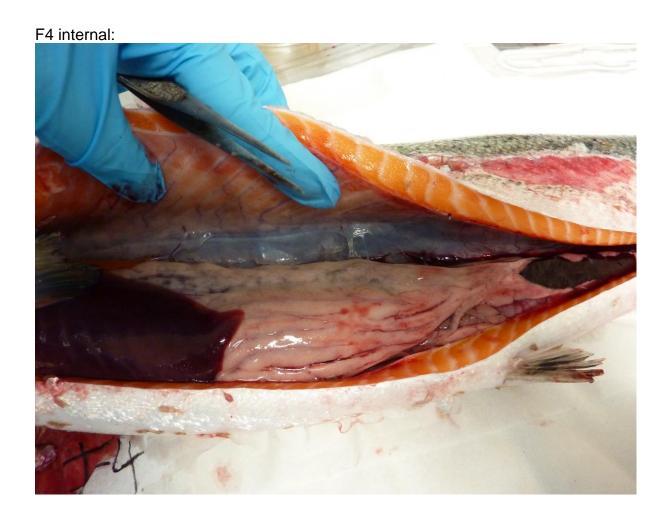
REE 0508













FHI 059, Version 12		Issued by: FHI		Date of issue: 08/10/2018
Case No: 2019-0321				Date of visit: 04/07/2019
Time spent on site:	hrs	N	/lain Inspector	: 🖃
Site No: FS0504 Business No: FB0557	Site Name: Business Name:	Girlsta Hatchery Grieg Seafood Sh	netland Ltd (Ha	atchery)
Case Types: 1 CER 2	2 3	4	5	6
Water Temp (°C): 13.1	Thermometer No:	Site]	FHI 045 completed
Observations:	Region: SH	Water type:	F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see ad	dditional inform	nation/clinical score sheet. nation/clinical score sheet. nation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:		

Additional Case Information:

Site thermometer used for biosecurity. Parr and smolt unit 13.1C

Some mortalities observed washed on screens in tanks, fish sampled showed no signs of gross pathology. Tanks in the parr and smolt unit visually inspected.

FHI 059, Version 12			Issu	ed by: FHI			Date of issue	e: 08/10/2018
Case No:	2019-0321]	Site No:	FS0504]			
Date of Visit:		04/07/2019]		Inspector(s):]
Registration/Autho	risation Deta	ails						
1. Business/site deta	ails summary	checked by s	ite representa	ative?			Υ	
2. Changes made to	details?						N]
Site Details								
Total No facilities		38 + 1hat	Facilities sto	cked	27 + 1 hat	No facilitie	s inspected	16 tanks
Species	SAL	SAL	SAL	I			T	
Age group	Q2 2020	Q1 2020	Q3 2019					
No Fish	1.75 million	1.81 million	1.47 million				 	
Mean Fish Wt	eggs	2.9g	69g					
Next Fallow Date (S		none		Next Input Da	te (Site)	October 2	019	
TTEXT T GIIOW DUTE (O	iic)	Horic		rtext input be	•	O OLOBEI Z	010	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	 S							
Movement record		r inspection?						Y
2. Date of last inspe							25/03/2019	
3. Are records comp		ectly entered?	>				20/00/2010	Y
4. Are movement re		•		•				Y
5. Are records comp								Y
6. Are health certific				able?				Y
Transport Records		`	,					
Are any movement		t by (or on be	half) of the hi	isiness (not lis	ing a STR\2			
If yes, is there a syst				•	_			
Mortality Records	iom in place i	or maintonan		i la lion i coci ac				
Mortality records a	available for i	nenection?						
2. How are mortalities		•			Incinerated	Shotland M	/aste to Energ	1
			ill go to T\//M	A for ensiling	incinerated -	Shelland V	raste to Energ	ЭУ
Mortality records (A for ensiling				Y
o. Mortanty records	oompiete und	correctly error		smolt unit 0.34	1% 4 991 mort	s fry unit 0	08% 1 386 m	orts eaas
			•	morts; wk25:	•		•	
				; wk24: parr/sn	•		•	
				, B parr/smolt un			•	
4. Recent mortality (last 4 wks):			•				
5. Evidence of recer	nt increased/a	typical mortal	lities?					Y
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
wk 26: smolt unit tar	-			cination equip	ment, other ta	nks conside	erably lower.	
6. Any other peaks in		•						Y
	_		_	vk19 and 20 in			•	
				of too high wa		•		_
		_	_	de to the pipew				•
If yes, detail:	_			Between 897			per week for	trie 3 weeks.
7. Have increased (om grading 0.7	+ /0 1,002 MOI	ເວ.		N/A
If yes, detail action:	anexplained)	nortailles be	ch reported to	Vet Of TTHE				14//
8. Have 'mortality ev	ents' been re	ported to FHI	? If no. add M	IRT case and e	enter on morta	lity events	sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
1. Recent treatments (last 4 wks)? If yes, detail: If other, detail:		
 Medicines records available for inspection Are records complete and correctly enter Are fish in a withdrawal period? 		
5. If yes, what treatment(s)?		
If other, detail: 6. Are medicines stored appropriately?		
Biosecurity Records		
 Biosecurity records available for inspection Has the manner and frequency of mortaling 	on? ity removal, recording and safe disposal bee	en considered?
	APB will notify Scottish Ministers or veterina	
	vent that the presence or suspicion of the pre en that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture anin health status, certification if required)?	mals being stocked on the farm site been co	vered (equal or higher
•	asures implemented between each epidemio vement of staff, visitors, equipment, live or d	
7. Is documentation available regarding the	measures in place to maintain the physical	
aquaculture animals held on site? 8. Have the biosecu <u>rity procedures been ad</u>	lequately implemented on site?	
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been	carried out by, or on behalf of, the business	?

2. If yes, are results available for inspection?

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

Records checked between:

3. Any significant results?

25/3/19 - 4/7/19

	Case no:	2019-03	321	Site No:		FS0504			Date of		04/	07/2019	04/0
	Cuco no.	2010-00	1			. 00004			Samplin			J., 2010	5-470
	Priority samples:	VI		ВА		PA		MG		Н Н			
	Time sampling starts/ends: Environmental conditions:		0:00 Indoors		0:00] I з	Inspecto	or:		 5	VMD N	o. I	0
	Summary samples	HIST		BA		MG	Υ	VI		PA	Υ	Total Sa	amples
A	dd Fish/Pools - click Pool/Fish No	lea -	IFO	ITO.	E 4	F-C	F0	- 7	IFO	F0	IE40	Гаа	E40
	Fish nos	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
Н	Pool Group	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P2	P2
Н	Species	SAL	SAL	SAL		SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL
	Average weight	69g	69g	69g		69g	69g	69g	69g	69g	69g	69g	69g
	Sex	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A		N/A	N/A
	Water Type	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW
Stock Details	Stock Origin	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur
S	Facility No	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8	P8

1								
P8		FW	69g N/A	SAL	P2	F13		07/20
	Stofnfiskur						33	019
P8	Stofnfiskur	FW	N/A	SAL 69g	P2	F14		Additio
P8	Stofnfiskur	FW	69g N/A	SAL	P2	F15	Total T	nal Sam
P8		FW	N/A	SAL 69g	P2	F16	ests ass	ple Info
P8	Stofnfiskur	FW	69g N/A	SAL	P2	F17	signed	rmation:
P8	Stofnfiskur	FW		SAL	P2	F18	10	
P8	Stofnfiskur	FW	N/A	SAL 69g	P2	F19		
P8	Stofnfiskur	FW	N/A	SAL 69g	P2	F20		
P6	Stofnfiskur	FW	69g N/A	SAL	P3	F21		
P6	Stofnfiskur	FW	N/A	SAL 69g	P3	F22		
P6	Stofnfiskur	FW	N/A	SAL 69g	P3	F23		
P6	Stofnfiskur	FW	69g N/A	SAL	P3	F24		
P6	Stofnfiskur	FW	N/A	SAL 69g	P3	F25		
P6	Stofnfiskur	FW	N/A	SAL 69g	P3	F26		
P6	Stofnfiskur	FW	69g N/A	SAL	P3	F27		
P6	Stofnfiskur	FW	69g N/A	SAL	P3	F28		

Case No:	2019-0321			Date of visit:	04/07/2019			
Site No:	FS0504	7		Inspector:				
Site No.	1 30304	J		irispector.		ı		
Results Summary	Freq.				te of Notifica			
		Database	Insp		Insp	Writing	Insp	2 nd Insp
MG - Y. ruckeri	0/30	12/07/2019		16/07/2019		17/07/2019		
MG - Ranavirus	0/30	12/07/2019		16/07/2019		17/07/2019		
MG - ISA	0/30	12/07/2019		16/07/2019		17/07/2019		
MG - IHN	0/30	12/07/2019		16/07/2019		17/07/2019		
MG - VHS	0/30	12/07/2019		16/07/2019		17/07/2019		
MG - EUS	0/30	17/07/2019				17/07/2019		
MG - GS	0/30	17/07/2019				17/07/2019		
MG - SAV	0/30	17/07/2019				17/07/2019		
		İ						1
	+	}		1		 		+
	+	<u> </u>						+
								+
Report Summary								
Case Type	Date	Insp	2 nd Insp					
CER	17/07/2019							
	1							
		Ī						
				1				





Grieg Seafood Shetland Ltd (Hatchery) Gremista Lerwick Shetland ZE1 0PX

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0557 Date of Visit 04/07/2019
Site No FS0504 Site Name Girlsta Hatchery
Inspector Case No 20190321

Certification Test

Tissue samples from thirty Atlantic salmon were tested for segments of nucleic acid indicative of the presence of *Yersinia ruckeri*, the causative agent of enteric redmouth disease (ERM); *Aphanomyces invadans*, the causative agent of Epizootic ulcerative syndrome (EUS); *Gyrodactylus salaris*, infectious haematopoietic necrosis virus (IHNV), infectious salmon anaemia virus (ISAV), viral haemorrhagic septicaemia virus (VHSV), epizootic haematopoietic necrosis virus (EHNV) and salmonid alphavirus (SAV) using PCR or real-time PCR (QPCR). The results are as follows:

Fish number	Facility number	Origin	Result
F1 – F20	P8	Stofnfiskur (Iceland)	Negative
F21 - 30	P6	Stofnfiskur (Iceland)	Negative

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

Signed: Date: 17/07/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter







FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoFB0544Date of Visit04/07/2019Site NoFS1240Site NameHighland – River ForssInspectorCase No20190322

Section 1: Summary

Following observations of moribund and dead wild Atlantic salmon in the River Forss, the River Superintendent contacted the Fish Health Inspectorate on the 4th July 2019. Fish Health Inspectors visited the river to conduct diagnostic sampling. Five moribund fish were removed from a pool using hand nets. Several other moribund fish with lesions and fungal-like infection were also observed in the same pool. It was reported that fish with similar clinical signs had been observed since April 2019.

Histopathology examination revealed mild to marked bacterial branchitis, presence of some epitheliocystis which tested positive for *Candidatus* branchiomonas cysticola by QPCR, and a mild multifocal myositis. Features consistent with clinical salmon gill poxvirus were noted in all fish, this was confirmed by QPCR.

Aeromonas spp. and *Pseudomonas florescence* were isolated. The level and purity of growth would not suggest that bacteria are the primary source of morbidity. Although *P.florescence* has been associated with fish disease.

Microscopic examination also revealed a fungus-like organism matching the characteristics of *Saprolegnia* sp. on samples taken.

Fins were examined by light microscopy and displayed heavy fungal-like growth. The structures exhibited microscopic characteristics of Saprolegnia sp.. Saprolegnia sp. was observed on plates taken from tissue material of two fish.

A heavy infestation of *Anisakis simplex* was noted in the vents of three fish with a lighter infestation in two, one vent was noted to be reddened.

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

Externally, haemorrhaging was observed on the throat of F4, and on the ventrum and base of fins on all fish. The gills in all fish were pale in colour and lesions were observed on the flank, head and tail of all fish sampled.

Internally, all fish except F2 had petechial haemorrhaging on the liver, with F4 exhibiting some tissue breakdown. The liver was pale in F1-3 and dark in F5. There was petechial haemorrhaging noted on the pyloric caeca of F3-4 with all fish showing a lack of fat. The spleen was enlarged in F1-4. No food was present in the guts of any of the fish sampled and yellow pseudo-faeces were noted in F1-4. There was slight haemorrhaging on the swim bladder of F3 and the kidney of F4 was slightly granular. Parasites were present in F1-2 and 4.

Samples

Samples were collected from 5 fish according to the table below:

Fish number	Pool number	Species	Stage
F1-5	P1	Atlantic salmon	2.5-5kg

Results

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

The following bacteria were isolated:

- Aeromonas sp. (Isolate A): Fish 1-5 (Lesion, Kidney and Gill)
- Aeromonas sp. (Isolate C): Fish 2-5 (Lesion, Kidney and Gill)
- Aeromonas sp. (Isolate D): Fish 2 (Kidney)
- Pseudomonas fluorescens (Isolate E): Fish 1, 4-5 (Lesion and Gill)

Saprolegnia sp., a fungal-like (oomycete) organism was also observed on plates.

Tissue samples were tested for segments of nucleic acid indicative of the presence of the following pathogen using real-time PCR (QPCR).

Candidatus branchiomonas cysticola

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F5	23.95	34.31	34.54	34.58	POSITIVE

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

The following pathogen was identified:

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F1	24.00	23.54	23.67	23.65	POSITIVE
F2	24.09	25.57	25.54	25.52	POSITIVE

F3	25.23	24.11	24.24	24.11	POSITIVE
F4	25.52	33.47	33.64	33.5	POSITIVE
F5	23.95	26.04	26.09	26.09	POSITIVE

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

A general screen was conducted on tissue samples to test for the presence of viral pathogens by cell culture. The result of this test was negative.

Parasitology: Fins were collected to determine the presence of *Gyrodactylus salaris* using light microscopy and molecular techniques (PCR).

No G. salaris parasites were detected in the samples examined.

Anisakis simplex was observed in the vents of all fish.

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from F1-5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

- <u>Gill</u>: Mild to marked presence of aggregates of bacteria colonizing the lamellar surface, showing affinity to the chloride cells and also hyperplasia of chloride cells. Some bacteria also noted free among gill filaments (F1-F5). Features of nuclear karryiorhexis in the lamellar epithelial cells, hyperplasia of chloride cells, cell apoptosis and some adhesions of adjacent lamellae also noted in F1 & F2. F3 also showed 4 small foci of lamellar epithelial hyperplasia and some lamellar fusion and in F5 few numbers of basophilic epithelial inclusions (likely epitheliocystis) with thickness of the lamellar tips were also noted. Some clusters oomycete-like noted among gill filament of F1.
- Skin & Muscle: Multiple small foci of skeletal red fibre degeneration (shrunken fibres and increase in fibre eosinophilia), some fibres showed nuclei not restricted to the periphery (F1 & F2). Some with associated mild inflammatory cell infiltration. F2 also showed a small foci of wither fibre degeneration. Oomycete-like also noted at the outer layer of dermis in F2.
- Heart: Within normal range.
- <u>Gut and pyloric caeca</u>: A Cestoda parasite noted in F1 and in F4 Nematodes (likely *Anisakis*).
- Pancreas: Within normal range.
- <u>Liver</u>: Mild diffuse hepatic vacuolation (F1-F4), eosionophilic droplets noted in the cytoplasm of liver hepatocytes of F3.
- Kidney: Within normal range. F4 & F5 only sampled head kidney.
- Spleen: Some thickness of splenic serosa noted in F5.

Signed:

R09

Date: 13/08/2019

Fish Health Inspector

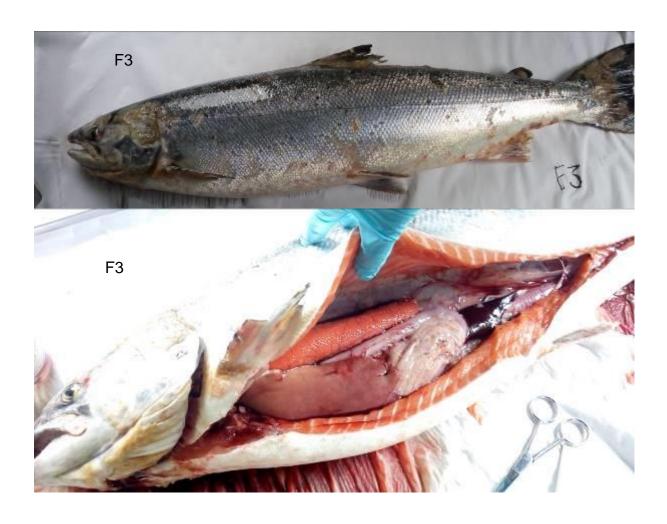
The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 0131 244 0944 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

Case No: 2019-0322 Date of visit: 04/07/2019 Site No: FS1240 Inspector: Results Summary Date of Notification Freq. 2nd Insp Phone Insp Database Insp Writing Insp PA ANIP 10/07/2019 13/08/2019 5/5 10/07/2019 0/1 MG IHN 16/07/2019 13/08/2019 16/07/2019 MG IPN 0/1 13/08/2019 MG SAV 13/08/2019 0/1 16/07/2019 MG VHS 0/1 13/08/2019 16/07/2019 MG ISA 0/1 13/08/2019 16/07/2019 13/08/2019 AERO 5/5 24/07/2019 24/07/2019 SAPR 5/5 13/08/2019 24/07/2019 24/07/2019 24/07/2019 **PSPE** 3/5 24/07/2019 13/08/2019 1/5 24/07/2019 24/07/2019 13/08/2019 ANIH CEST 1/5 13/08/2019 24/07/2019 24/07/2019 **EPIT** 1/5 24/07/2019 24/07/2019 13/08/2019 13/08/2019 **GPAT** 5/5 24/07/2019 24/07/2019 24/07/2019 **MPAT** 2/5 13/08/2019 24/07/2019 SPVH 5/5 24/07/2019 24/07/2019 13/08/2019 5/5 MG SAL POX 02/08/2019 13/08/2019 01/08/2019 MG BRAN CYS 1/5 01/08/2019 02/08/2019 13/08/2019 MG PMCV 0/1 08/08/2019 13/08/2019 MG PRV 08/08/2019 13/08/2019 0/1 Report Summary 2nd Insp Case Type Date Insp DIA 13/08/2019











FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018				
Case No: 2019-0330			Date of visit: 16/07/2019				
Time spent on site:	5 hrs	Main Inspecto	r:				
Site No: FS0050 Business No: FB0169	Site Name: Business Name:	Kenmore Loch Torridon The Scottish Salmon Company	/				
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6				
Water Temp (°C): 13.1	Thermometer No:	T153	FHI 045 completed				
Observations:	Region: HI	Water type: S	CoGP MA M-17				
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional inform	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.				
UNI/REG only - if unable to carry	UNI/REG only - if unable to carry out intended visit detail reason below:						

Additional Case Information:

All cages have work platforms, all cages inspected from platforms, good visibility at time of inspection and no dead, moribund or lethargic fish observed on site at time of inspection. All cages showed a good feeding response. Fish sampled for VMD appeared in very good condition with very few sea lice observed.

Larger grade of fish were split to Sgeir Dughall.

Slightly elevated mortalities post hydrogen peroxide treatment

AGD on site, but not causing problems, gill scores in three cages were slightly higher, a hydrogen peroxide treatment conducted 12/07 on three cages (1,5 & 6). 4 remaining cages underwent a hydrolicer treatment.

Majority of harvests will be live haul to Ardnish, some harvests will be live haul to Ardyne harvest station. Still have capacity for dead haul, but unlikely to use this cycle.

Currently running a project with Patogen, sampling site for QPCR screening every two weeks as a preventative measure to highlight any potential issues before they occurred and allow for any required actions to be planned and implemented if required.

FHI 059, Version 12			Issur	ed by: FHI			Date of issue	e: 08/10/2018
Case No:	2019-0330		Site No:	FS0050				
Date of Visit:		16/07/2019]		Inspector(s):			
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	itive?			Y Y	
Site Details								
Total No facilities		1	Facilities stoo	cked	7	No facilities	s inspected	7
Species	SAL	LUM						
Age group		2018						
No Fish	156,413	19,192						
Mean Fish Wt	3.1kg	80g						
Next Fallow Date (S	ite)	Oct 2019		Next Input Da	ite (Site)	Dec 2019/	Jan 2020	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last)	visit)?	N
If yes, detail:								
Movement Records	s							
Movement record	s available for	r inspection?						Y
2. Date of last inspe							09/08/2017	
3. Are records comp		ectly entered?	}					Y
4. Are movement re	cords availabl	e for dead fis	h and waste?					Y
5. Are records comp		•						Y
6. Are health certific	ates for introd	uctions (outw	vith GB) availa	ble?				N/A
Transport Records								
1. Are any movemen	nts carried out	by (or on be	half) of the bu	siness (not usi	ing a STB)?			Y
If yes, is there a syst	tem in place f	or maintenan	ce of transpor	tation records?	?			Y
Mortality Records								
1. Mortality records a	available for in	nspection?						Y
2. How are mortalitie		•			Whole fish - I	Dundas Che	emicals	
If other detail:								
3. Mortality records	complete and	correctly ento	ered?					Y
				3 (0.43%) attribi				
1 D. Sansant-Etail			•	n, WK 27 - 614	•	•		- 6,182
4. Recent mortality (•			ited to producti	on and post tr	eatment los	ses.	
5. Evidence of recer		••						Y
If yes, facility nos/no		•			4-1: 25 000	filih		
Cages 1,5 & 6 - 6,18 6. Any other peaks in				otai / approxim	lately 25,000 p	per racility		Y
o. / ary out.		•		(3.57%) attribu	uted to AGD, 1	7/09/18 to 2	23/09/18 (WK	38) - 15,088
		•	,	12/05/19 (WK)			,	
If yes, detail:	losses							
7. Have increased (u	unexplained) r	nortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and ϵ	enter on morta	lity events s	heet.	Y

If yes, detail: T.M.S., hydrogen peroxide	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	V
Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Ÿ
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
more account (unit of property at the site section accounts)	
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 <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	
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).	

09/08/17 to 16/07/19 Records checked between:

	ni 059, version 12							153	ueu by. i	111			
	Case no:	2019-03	330	Site No:		FS0050)		Date of		16/0	07/2019	16/0
	Priority samples:	VI		ВА		PA		MG	Samplin	g. HI			
	Time sampling starts/ends:	15:0	0:00	15:3	0:00		Inspecto	or:			VMD No).	6
	Environmental conditions:	1		2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No												
Г	Fish nos	1											
	Pool Group												
Г	Species	SAL											
	Average weight	4kg											
	Sex	N/A											
	Water Type	SW											
		ph,											
Details		E a											
et.													
7		Loch Damph, Migdale											
Stock	Stock Origin												
Ċ,	Facility No	4											

07/2019 Additional Sample Information:														
0	0 Total Tests assigned 0													
												_		

FHI 059, Version 12		Issued by: FHI			Date o	of issue	: 08/10/2018
Case Number:	2019-0330		Site No:	FS0050	I	nsp:	
Date of Visit	16/07/2019		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	۵	18	26	
Species	Number of sup	ncluding third country	0		10	14	0
11			<u> </u>				40
Movements off	Frequency of m		0		6	10 10	10
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	<u> </u>			
farms (holding species	disinfection or l	porehole)	0				0
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
		or in a coastal zone with category III					┝─┤
	farms upstream	n or within 1 tidal excursion	1	3	6		0
	Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion						
	tarms upstream	1 or within 1 tidal excursion	1	4	8		0
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 rules of the directive	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				0
		from zone or compartment of					
	equivalent state	us n from Category III farm	4				0
		from Category V farm	8				0
			10]			
Disposal of fish and fish by- products		· · ·	0				0
products	Common proce	esses with other farms	3				3
	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		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				0
Platform access to cages	Yes		1 0	1			
utionii uccess to cages	No		2	-			0
				J			
					Total		21
					Rank		MEDIUM

Case No:	2019-0330		S	ite No:	FS0050		
Sea Lice Inspection (• •	s in the previous 4 years	s?				N
•	•	equivalent) fallowed syn		a single ye	ear class basis?		Υ
3. Does the site have a azamethiphos and ema can these be deployed	access to a range of licamectin benzoate) as in a reasonable perio	enced in-feed and bath well as access to suitab d of time?	sea lice medica ble biological an	ations (inc d/or mech	cluding deltamethrin, hanical control measu	ures, and	Υ
4. Is there a signed doo Management Area (or		gement agreement or sta	atement relevan	t to the si	te and CoGP Farm		Υ
5. Are sea lice count re	cords available for ins	spection? (Legal SSI, Co	oGP Annex 6)				Υ
6. Do records adequate	ely reflect the required	standard specified in th	e SSI and the C	CoGP? (L	egal SSI, CoGP Anne	ex 6)	Υ
7. Are sea lice (L. salm records are inspected?		elow the suggested criter	ria for treatment	in the Co	oGP during the period	l that	N
_	•	<i>lmonis</i>) numbers per fisl od that records are insp		of 3 or a	above (prior to w/b 10	/6/19) or	Υ
If yes, have these beer	reported to the Fish	Health Inspectorate? If r	no, FHI see com	ment.			Υ
9. Is C. elongatus infes	station at a level which	is considered to cause	significant welfa	are proble	ems? (CoGP 4.3.81, 5	5.3.50)	N
		istered or other actions elongatus is considered					Υ
11. Has any other actio	on been taken (where	applicable)?					N/A
12. Have therapeutic tr	eatments or the action	ns taken had a significar	nt impact upon t	he lice le	vels recorded?		Υ
13. Are treatments, who	ere conducted, carried	d out in cooperation bety	veen participatir	ng farms?	•		Υ
		where fewer population		_		nt for	Υ
15. Is there a site spec scenarios during the es		ement procedure with winfestation?	aypoints describ	oing set a	ctions to deal with red	cognised	Y
16. Do the sea lice leve	els observed on stock	s reflect sea lice count d	ata? If no pleas	e detail re	easons.		Υ
Containment Inspecti	on						
1. Has the site experier	nced equipment dama	ige due to predators in t	he current or pre	evious pro	oduction cycles?		N
2. Are measures in pla	ce to mitigate against	the predation experience	ed on site? (Def	tail below)		Υ
Top nets, A.D.D., Te	nsioned nets, M.M.L						
If other, detail below:							
3 Have escape incide	nts or events been ev	perienced on or in the vi	icinity of the site	since the	a last FHI inspection?		N
If Yes proceed with que			culty of the site	Since the	e last i i il ilispection:		
4. Have these been rep		•				ı	
5. Have these been rep	ported to local DSFB f	orthwith (where they exis	st)? (CoGP - 4	.4.37, 5.4	.17)		
6. Have these been rep	oorted to the SSPO ar	nd 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 es	capees? If yes give deta	il				
8. If gill nets were deplo	oyed was this action a	greed with local wild fish	n interests and v	was perm	ission given by Scotti	sh	
Ministers? (Legal, CoG				,			
9. What action was tak	en to prevent and min	imise the risk of further	escapes? (Not	covered in	n code but could		
be considered under	r satisfactory measu	res of the Act)					
10. Is the site inspected	d as satisfactory with i	regards to containment?	If no, please de	etail reaso	on(s)		Υ

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: 2019-0330	Site No: FS0050	
Date of Visit: 16/07/2019	9 Inspector:	
Point of Compliance		
1. Is the farm under inspection located	within a farm management area?	Y
If N, no further questions require comp	letion.	
Points of Compliance for Both Farm	Management Agreements and Statements	
 3. Is the current FMAg/S available for it 4. Does the FMAg/S identify the relevance 5. Does the FMAg/S identify the fish fat 6. Does the FMAg/S identify the date of 7. Does the FMAg/S identify the date of 	nt farm management area? rm site(s) to which it applies? f commencement of the agreement or statement f review?	Y Y Y
Arrangements for Fish Health Manag	gement	
8. Does the FMAg/S identify the minimifarm?	um health standards for the stocks to be introdu	uced to the area or
 Does the FMAg/S identify the vaccin Does the FMAg/S identify the speci 	nation requirements for stocks held in the area of ies of fish which may be stocked into the area of mum stocking density of any pen on any farm in	r farm?
12. Does the FMAg/S identify the arran fish farm in the area or the individual fa	ngements for the storage and disposal of any de arm?	ead fish from any
Arrangements for The Management	of Sea Lice	
13. Does the FMAg/S identify arrangen	nents for the sharing of data on sea lice number	rs and treatments?
14. Does the FMAg/S identify the available of statement?	ability and the use of medicines on farms covere	
15. Does the FMAg/S identify any require on farms in the area or individual fa	irements for the sensitivity testing of available to arms?	
16. Does the FMAg/S identify the circulused on farms in the area or individual	mstances under which biological controls and c farms?	
17. Does the FMAg/S identify the arran	ngements for synchronous treatments on farms	within the area?
Live Fish Movements		
area or farm?	mstances when live fish may be introduced or rengements for the movement of live fish on and co	

FHI 059, Version 12	issued by: FHI	Date of Issue: 08/10/20
Harvesting		
20. Does the FMAg/S identify acceptable	le harvest practices on farms in the area or ind	ividual 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 fall cked?	ow and the earliest
22. Does the FMAg/S identify whether o agreement or statement?	one or more year classes may be stocked onto	sites covered by the Y
23. Does the FMAg/S identify whether b covered by the agreement or statement	proodstock or potential broodstock are to be ke ?	pt on any site
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 beco	me, or cease to be, N/A
Management and operation		
25. Is the fish farm being managed and	operated in accordance with the agreement or	r statement?
26. What is the version no/date of issue	of the FMAg/S? 27/02/2018	

Site No: FS0050

Case No: 2019-0330

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2019-0330			Date of visit:	16/07/2019			
Site No:	FS0050			Inspector:				
Results Summary	Freq.			Dat	te of Notificat	tion		
•		Database	Insp		Insp	Writing	Insp	2 nd Insp
	 							
	 							
	-							
	-							
Report Summary	5 1		nd					
Case Type	Date 10/07/2010	Insp	2 nd Insp					
ECI, CNI, SLI, VMD	19/07/2019							
			—					
	-							





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** 16/07/2019

SITE NO FS0050 SITE NAME Kenmore Loch Torridon

INSPECTOR Paul McKay Case No 20190330

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.

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.

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 2015

Medicine records were inspected and found to be adequately.

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 parasites, fish farm management agreements and statements and containment and escapes.

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

Signed:

Fish Health Inspector

Date: 19/07/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 12	1	ssued by: FHI		Date of	f issue: 08/10)/2018
Case No: 2019-0334				Date of visit:	15/07/2019	1
Time spent on site:	5 hrs	M	lain Inspector	: [j
Site No: SS0868 Business No: SB0372	Site Name: Business Name:	Brandy Ayre Shetland Mussels	Ltd			∃
Case Types: 1 ECI 2	2 3	4	5	6		
Water Temp (°C): 11.2	Thermometer No:	T148]	FHI 045 comp	leted	N
Observations:	Region: SH	Water type:	S	CoGP MA		
Dead/weak/abnormally behaving Clinical signs of disease observed 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	reason below:				

Additional Case Information:

Site number of source/ destination not recorded on movement records. Issue raised with site manager and will be recorded in future. No further action.

Stock on site clean. ~90% of stock on line ≥ 45mm.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0334		Site No:	SS0868				
Date of Visit:		15/07/2019			Inspector(s)]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details Total No facilities		9	Facilities sto	cked	1	No facilitie	es inspected	2
Species	MED	_	i aciiilica ato	CREG		140 facilitie	,3 mapeoleu	_
Age group	Mix							
No Fish	1 line							
Mean Fish Wt	Mix							
Next Fallow Date (S	ite)	unknown	<u> </u>	Next Input Da	ite (Site)	Aug./Sep.	2019	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	visit)?	N/A
If yes, detail:								
Movement Records	5							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspe-	ction:						08/11/2018	
3. Are records comp	lete and corre	ectly entered?	?					N
4. Are movement re-								N/A
Are records comp		•						N/A
6. Are health certific	ates for introd	luctions (outv	vith GB) availa	able?				Y
Transport Records								
1. Are any movemen		t by (or on be	half) of the bu	ısiness (not usi	ing a STB)?			
If yes, is there a syst				•	_			
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie	es disposed o	f?			Other (detail)		
If other detail:	empty shells							
3. Mortality records	•	correctly ent	ered?					Y
Recent mortality (last 4 wks):		no mortalitie	s observed sin	ce last insped	ction		
5. Evidence of recer	nt increased/a	typical mortal	lities?					N
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
0. A			1 10					. N
Any other peaks in If yes, detail:	n mortality du	ring period cr	тескеа?					N
7. Have increased (u	Inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on mort	ality events	sheet.	N/A

Results o	fSι	ırveill	ance
-----------	-----	---------	------

If no, detail:

- 1. Has any animal health surveillance been carried out by, or on behalf of, the business?
- 2. If yes, are results available for inspection?
- 3. Any significant results?

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

Records checked between:

08/11/2018 - 15/07/2019

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0334 Site No: SS0868 Date of Visit 15/07/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 5 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 5 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 3 Number of destinations **Secure** Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0334			Date of visit:	15/07/2019					
Site No:	SS0868	l		Inspector:		ב				
Results Summary	Freq.			Dat	te of Notificat	tion				
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp		
Report Summary										
Report Summary Case Type	Date	Insp	2 nd Insp							
ECI	31/07/2019	шэр	Z IIISP							
201	01/01/2010									





Shetland Mussels Ltd Vadlure Walls Shetland ZE2 9PF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0372
 Date of Visit
 15/07/2019

 Site No
 Site Name
 Brandy Ayre

 Inspector
 Case No
 20190334

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 found to be inadequately maintained.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

The following points were raised with the site representative during the inspection:

Site number of destination or source sites not recorded in movement records

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed: Date: 31/07/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0335			Date of visit: 15/07/2019
Time spent on site:	5 hrs	Main Inspect	or:
Site No: SS0563 Business No: SB0372	Site Name: Business Name:	East Of Linga (Vaila Sound) Shetland Mussels Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 11.2	Thermometer No:	T148	FHI 045 completed N
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Additional Case Information:

Site number of source/ destination not recorded on movement records. Issue raised with site manager and will be recorded in future. No further action.

4 lines fully stocked, 1 line approximately 50% stocked. 35% of all stock on site ≥ 45mm while remaining 65% is smaller. Low fouling.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0335]	Site No:	SS0563				
Date of Visit:		15/07/2019]		Inspector(s):]
1. Business/site deta	ails summary		ite representa	ative?			Y N]
Site Details								
Total No facilities		5	Facilities sto	cked	5	No facilitie	s inspected	5
Species	MED							
Age group	Mix							
No Fish	5 lines							
Mean Fish Wt	Mix							
Next Fallow Date (S	ite)	never fallow		Next Input Da	te (Site)	Aug./Sep.	2019	
Case No: 2019-0335 Site No: SS0563 Date of Visit: 15/07/2019 Inspector(s): 15/07/2019 Inspector		N/A						
•								
		r inconstian?						V
		i inspection:					08/03/2018	'
•		ectly entered?	•				00/00/2010	N
•		•						N/A
5. Are records comp	lete and corr	ectly entered?	•					N/A
6. Are health certific	ates for introd	ductions (outw	ith GB) availa	able?				Y
Transport Records								
		t by (or on bel	half) of the bu	siness (not usi	ng a STB)?			
•			•	•	_			
•	available for i	nspection?						Y
•		•			Other (detail))		
			ed					
								Y
4. Recent mortality (last 4 wks):		no mortalities	s observed sin	ce last inspec	tion		
								N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
	n mortality du	ring period ch	ecked?					N
	(nevnlained)	mortalities had	an reported to	vet or EUI2				N/A
If yes, detail action:	anexplained)	mortanties bet	en reported to	VELOI I III:				14//
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events	sheet.	N/A
, , , , , , , , , , , , , , , , , , , ,			,					

If no. detail:

- 1. Has any animal health surveillance been carried out by, or on behalf of, the business?
- 2. If yes, are results available for inspection?
- 3. Any significant results?

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

Records checked between:

08/03/2018 - 15/07/2019

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0335 Site No: SS0563 Date of Visit 15/07/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 5 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 3 6 3 Areas 0 3 Number of destinations **Secure** Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0335			Date of visit:	15/07/2019			
Site No:	SS0563	1		Inspector:		l		
Results Summary	Freq.			Da	te of Notifica	tion		
,		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	-							
	1							
	i							
	1							
Report Summary Case Type ECI								
Case Type	Date	Insp	2 nd Insp					
ECI	31/07/2019							
	ļ							
	Ī							





Shetland Mussels Ltd Vadlure Walls Shetland ZE2 9PF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0372 SITE NO SS0563

INSPECTOR

DATE OF VISIT 15/07/2019

SITE NAME East Of Linga (Valia Sound)

CASE No 20190335

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 found to be inadequately maintained.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

The following points were raised with the site representative during the inspection:

Site number of destination or source sites not recorded in movement records

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed: Date: 31/07/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 12		Issued by: FHI		Date of issue: 08/10/	/2018
Case No: 2019-0336			Dat	te of visit: 15/07/2019	
Time spent on site:	5 hrs	Ma	in Inspector:		
Site No: SS0604 Business No: SB0372	Site Name: Business Name:	Lera Voe Shetland Mussels L	td		∃
Case Types: 1 ECI 2	3	4 5	6		
Water Temp (°C): 11.2	Thermometer No:	T148	FHI	I 045 completed	N
Observations:	Region: SH	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	itional informatio	on/clinical score sheet. on/clinical score sheet. on/clinical score sheet.	
UNI/REG only - if unable to carry	out intended visit deta	il reason below:			

Additional Case Information:

Site number of source/ destination not recorded on movement records. Issue raised with site manager and will be recorded in future. No further action.

4 lines stocked, approximately 50% of all stock on site ≥ 45mm while remaining 50% is smaller. Low to medium fouling.

_
Y
NI
N/A
N/A
Y
Y
Y
N
N
N/A
14//
N/A

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

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

aquaculture animals held on site?

2. If yes, are results available for inspection?

Results of Surveillance

If no. detail:

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0336 Site No: SS0604 Date of Visit 15/07/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 5 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 2 Frequency of movements off outwith MSS Management 0 3 6 3 Areas 0 3 Number of destinations **Secure** Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0336			Date of visit:	15/07/2019			
Site No:	SS0604			Inspector:		ı		
Results Summary	Freq.			Dat	te of Notificat			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Poport Cummon								
Report Summary Case Type	D-4-	I	and .					
Case Type	Date	Insp	2 nd Insp					
ECI	31/07/2019							





Shetland Mussels Ltd Vadlure Walls Shetland ZE2 9PF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0372
 Date of Visit
 15/07/2019

 Site No
 Site Name
 Lera Voe

 Inspector
 Case No
 20190336

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 found to be inadequately maintained.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

The following points were raised with the site representative during the inspection:

Site number of destination or source sites not recorded in movement records

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed: Date: 31/07/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0337			Date of visit: 15/07/2019
Time spent on site:	5 hrs	Main	Inspector:
Site No: SS0839 Business No: SB0372	Site Name: Business Name:	Whitesness Shetland Mussels Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 11.2	Thermometer No:	T148	FHI 045 completed N
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Additional Case Information:

Site number of source/ destination not recorded on movement records. Issue raised with site manager and will be recorded in future. No further action.

3 lines fully stocked, 2 lines approximately 66% stocked, 1 line approx. 33% stocked. 55% of all stock on site ≥ 45mm while remaining 45% is smaller. Low to medium fouling.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0337		Site No:	SS0839				
Date of Visit:		15/07/2019			Inspector(s)]
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		te representa	ative?			Y N]
Site Details Total No facilities Species Age group No Fish	MED Mix 6 lines	6	Facilities sto	cked	6	No facilitie	es inspected	6
Mean Fish Wt	Mix							
Next Fallow Date (S	ite)	never fallow		Next Input Da	ite (Site)	Aug./Sep.	2019	
Recent (last 4 wks) If yes, detail:	disease probl	ems?		N	Any escapes	s (since last	visit)?	N/A
Movement Records 1. Movement records 2. Date of last inspects 3. Are records computed. Are movement records computed. Are records computed. Are health certifications.	s available fo ction: blete and corro cords availab blete and corro	ectly entered? le for dead fish ectly entered?					08/03/2018	N N/A N/A Y
Transport Records 1. Are any movement of the second secon	nts carried ou		•		_			
Mortality Records 1. Mortality records 2. How are mortalitie If other detail:	es disposed o	f?	o.d		Other (detail)		Y
3. Mortality records		drop to sea b						Y
4. Recent mortality (•	_		s observed sin	ce last insped	ction		
5. Evidence of recer	nt increased/a	typical mortali	ties?					N
If yes, facility nos/no	mortality per	facility/no stoo	ck per facility	/reason:				
6. Any other peaks i	n mortality du	ring period ch	ecked?					N
If yes, detail:		31						
7. Have increased (If yes, detail action:	. ,		·					N/A
8. Have 'mortality ev	ents' been re	ported to FHI?	If no, add M	IRT case and e	enter on morta	ality events	sheet.	N/A

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?

08/03/2018 - 15/07/2019

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0337 Site No: SS0839 Date of Visit 15/07/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 0 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 5 Movements off Frequency of movements off within MSS Management 0 1 2 2 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations **Secure** Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0337			Date of visit:	15/07/2019			
Site No:	SS0839	ı		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Papart Summan								
Report Summary Case Type	D-4-	I	and .					
Case Type	Date	Insp	2 nd Insp					
ECI	31/07/2019							
	1							





Shetland Mussels Ltd Vadlure Walls Shetland ZE2 9PF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0372
 Date of Visit
 15/07/2019

 Site No
 SS0839
 Site Name
 Whitesness

 Inspector
 Case No
 20190337

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 found to be inadequately maintained.

No mortality had been observed on site since the last inspection by Marine Scotland.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

The following points were raised with the site representative during the inspection:

Site number of destination or source sites not recorded in movement records

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.

Signed: Date: 31/07/2019
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 12	Is	ssued by: FHI	Date of issue: 08/10/2018						
Case No: 2019-0341			Date of visit: 16/07/2019						
Time spent on site:	1 hour	Main Insp	ector:						
Site No: SS0923 Business No: SB0542	Site Name: Business Name:	Balfron Production Unit Great British Prawns Ltd							
Case Types: 1 DIA	2 REP 3	4 5	6						
Water Temp (°C): N/A	Thermometer No:		FHI 045 completed N/A						
Observations:	Region: CE	Water type: B	CoGP MA						
Dead/weak/abnormally behaving Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet. Y							
UNI/REG only - if unable to carry out intended visit detail reason below:									

Additional Case Information:

Sampling by done on return to Lab.

Water on site artificial and made on site. All shrimps on site transferred from Balfron Hatchery, originally imported in April from USA Texas. Staff had signed up for OIE disease notification of diseases and Texas was closed due to IHHNV on 13/5/19. Site of origin has informed Balfron they are free from IHHNV. When population was not preforming as expected- huge variation is size with some animals not growing as expected they decided to carry out a health screen including IHHNV.

All animals on site will be culled today and will then be placed in chlorine followed by neutralisation with sodium phosphate before being placed in the anaerobic digester on site. The farm will then be treated with chlorine, including the biofilter and fallowed for 4-6 week. They will restock with shrimp from the hatchery at 1/3 capacity which will be tested 1 month after input by nested pcr.

Shrimp culled were 4.5 months from birth and would be expected to be at 25g, average weight is at approx. 2 g. 43,000 shrimp remain on site from the initial 350,000 that were imported. Mortality estimated at 50% during transport of the animals from USA, remaing mortality occured on site. The number on site is difficult to assess as they have "cryptic" mortality which means as soon as a shrimp dies the other shrimp eat them so unable to get mort figures.

Reguest for movement book and import certificate to be sent in. Received 18/7/19

Source in USA all hatchery reared no wild caught.

VMD No.

Total Samples

Inspector:

Ac	dd Fish/Pools - click	,											
	Pool/Fish No	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
	Fish nos	1	2	3	4	5	6	7	8	9	10	11	12
	Pool Group												
	Species	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV
	Average weight	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g	0.1g
		N/A	N/A	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	SW	SW
Stock Details	Stock Origin Facility No	ylubort USA, Texas	y y Import USA, Texas	yus y Import USA, Texas	yuuz Yunport USA, Texas	L Import USA, Texas	yuuz Timport USA, Texas	Habart USA, Texas	yub Y Jmport USA, Texas	y Import USA, Texas	yuur y Import USA, Texas	ub y Jmport USA, Texas	Lalmport USA, Texas

MG

Time sampling

Summary samples

Environmental conditions:

starts/ends:

17:30:00

HIST

1 Indoors

BA

18:30:00

07/2019 Additional Sample Information:

MG -RNAprep is for IHHNV

Samples manually added in LIMS due to species and IHHNV PCR test not being available in LIMS. LIMS numbers start at F3-F32 allocated against F1-F30. Shrimp were dead on arrival in aberdeen. Were alive when left Balfron and journey took 2.5 hours.

Total Tests assigned 2

F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV	LPV
	0.1g			0.1g		0.1g		0.1g	0.1g	0.1g	0.1g	0.1g			0.1g
		N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A		N/A			N/A
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas	Import USA, Texas
Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1	Tank 1

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018 Method of killing: Case no: SS0923 2019-0341 Site No: Inspector(s): Date of visit: 16/07/2019 Sheet Relevant: Y S for strong presence: M for medium presence: W for weak presence -30 <2.5ho <2.5hours Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund Lethargic Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Distended abdomen Scale Oedema Opercula Shortened Flared Haemorrhaging Throat Ventrum Base of fins Elsewhere Eyes Exophthalmic Enophthalmic (sunken) Cataract Haemorrhagic Gills Pale Zoned Necrotic Lesions Flank Elsewhere Vent Inflamed Trailing faeces Lice Load Estimate numbers Internal Signs Ascites Clear 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 Haemorrhaging Body wall Swim bladder Haemorrhaging Fluid filled Kidney Swollen Grey Granular Liquefied

General

Parasites present

Anaemia

Case no: 2019-0341

Date of visit: 16/07/2019

Single Storage prosence, Micro medium prosence, Willow	Date of visit.	10/07/20	13						
Time sampled after death (if > 45 minutes)	S for strong presen	nce: M for medium presence: W fo	or w						
External Signs Behaviour Moribund Lethargic Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Olstended abdomen Anorexic Scale Cedema Opercula Shortened Flared Haemorrhaging Base of fins Elsewhere Eyes Expopthalmic (sunken) Cataract Haemorrhaging Gills Flared Haemorrhaging Gills Flared Haemorrhaging Granulomas Lice Load Estimate numbers Lice Load Estimate numbers Lice Codema Binispeed Caranulomas Caranulom	Fish Number								
External Signs Behaviour Moribund Lethargic Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Olstended abdomen Anorexic Scale Cedema Opercula Shortened Flared Hamorrhaging Throat Esswhere Eyes Eyes Exophthalmic leunken) Cataract Haemorrhaging Gills Flared Haemorrhaging Granulomas Accides Granulomas Gra	Time sampled aft	ter death (if > 45 minutes)							
Behaviour Moribund									
Hanging vertical		Moribund							
Spiralling		Lethargic							
Flashing		Hanging vertical							
Flashing									
Loss of equilibrium									
Body									
Distended abdomen	Body	Dark							
Scale Oedema	-	Distended abdomen							
Opercula Shortened		Anorexic							
Flared		Scale Oedema							
Flared	Opercula	Shortened							
Haemorrhaging Throat	_	Flared							
Ventrum	Haemorrhaging								
Base of fins									
Elsewhere									
Export E									
Enophthalmic (sunken)	Eves								
Cataract									
Haemorrhagic									
Gills									
Zoned	Gills								
Necrotic									
Lesions									
Elsewhere	Lesions			_					
Vent	Lociono								
Trailing faeces	Vent			_					
Lice Load Estimate numbers	Vent								
Internal Signs	Lice Load			_					
Ascites Clear	LICE LUAU	Estillate liulibers							
Ascites Clear	Internal Signs			_					
Bloody		Clear		_					
Oedema In tissues Heart Pale/anaemic Granulomas Image: Commod of the commod of t	Ascites			_					
Heart	Oedema		_	_					
Granulomas				_					
Deformed	neart		_	_					
Liver				_					
Gross haem	Liver			_					
Tissue breakdown	Liver			_					
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 I to the state of the st	Dedonie e								
Lack of fat Image: Company of the company	Pyloric caeca			_				_	
Spleen Enlarged Image: Continuous of the cont									
Granulomas Image: Control of the control	0.1			_					
Gut No food present Image: Control of the control of t	Spleen								
Yellow pseudo-faeces	04								
External haem Internal	Gut								
Internal haem				_					
Body wall Haemorrhaging									
Swim bladder Haemorrhaging									
Fluid filled									
Kidney Swollen									
Grey	Swim bladder								
Granular						I	I	I	
Liquefied Seneral Parasites present Seneral Se		Swollen					_		
General Parasites present		Swollen Grey							
		Swollen Grey Granular							
	Kidney	Swollen Grey Granular Liquefied							
Anaemia Anaemia	Kidney	Swollen Grey Granular Liquefied Parasites present							

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/201
Additional comments:		

Case No:	2019-0341	1 Date of visit: 16/07/2019								
Site No:	SS0923 Inspector:									
Results Summary	Freq.	Date of Notification								
	·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp		
IHHNV primer 392	24/30	30/07/2019		30/07/2019						
IHHNV primer 392 IHHNV primer 392 and 77012F/77353r	2/2	26/08/2019		13/07/2019						
Histo	0/30	N/A		13/07/2019						
	-									
	•									
Report Summary										
Case Type	Date	Insp	2 nd Insp							
Case Type Diag, Rep	26/08/2019									





Great British Prawns Ltd Farm 1 Claylands Balfron G63 0RR

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0542 **DATE OF VISIT** 16/07/2019

SITE NO SS0923 SITE NAME Balfron Production Unit

INSPECTOR CASE No 20190341

Section 1: Summary

Following a report of positive test results for infectious hypodermal and hematopoietic necrosis virus (IHHNV) from samples taken from Balfron Production Unit the site was visited. Animals were collected and returned to the Marine Scotland laboratory for diagnostic sampling.

Results from the samples confirmed the presence of IHHNV at Balfron Production Unit.

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

Following a report from Great British Prawns Ltd of positive test results for infectious hypodermal and hematopoietic necrosis virus (IHHNV) from samples taken from Balfron Production Unit the site was visited. Staff reported that all the animals had been imported from Texas, USA in April, placed in Balfron Hatchery and subsequently moved into the production site. The population had not been growing well and there was a huge variation in size. Following the report of IHHNV in Texas it was decided by site operators to test the population for the disease. This proved positive and Marine Scotland Science was informed.

At the time of the visit site staff were in the process of culling all stocks at the production unit. One tanks was left and was to be culled that day. Approximately 100 animals were removed from the tanks and placed in a large bag with water and an air reservoir. Ice packs were placed underneath to reduce the water temperature. It was considered that they would remain alive for the two hour journey back to the Marine Scotland laboratory in Aberdeen where they would be sampled. Unfortunately all the animals were dead on arrival. Samples were taken from 30 animals for diagnostic examination. No clinical signs of disease were observed.

R09

Samples

Samples were collected from 30 shellfish according to the table below:

Shellfish number	Pool number	Species	Stage	Origin
1-30	1-30	Whiteleg Shrimp, <i>Litopenaeus vannamei</i>	0.1g	Texas, USA

Results

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

All 30 samples were initially tested by the OIE recommended PCR. Of these 24 out of 30 were positive. Two of the strongest PCR samples (9 and 12) were sequenced and confirmed to be Decapod penstyldensovirus 1 (IHHNV). A further primer set also confirmed the result by sequencing from a different region of the genome for confirmation of the initial positive.

Histology: Samples of the cephalothorax were taken from 30 shellfish and fixed in 10% neutral buffered formalin. Histopathological examination revealed the following:

No clear cases of IHHNV observed (no Cowdry type A inclusion body). Samples from shellfish 7, 8 and 9 showed isolated nuclei which may have contained putative IHHNV inclusions but not conclusive and would need confirmation by other testing methods. Samples were not well fixed (depicted most obviously by the degeneration of the hepatopancreas) making reading difficult in most of the slides. The degeneration of the hepatopancreas may have been a result of the animals being dead when they arrive at the laboratory for sampling.

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

Date: 26/08/2019

FHI 059, Version 12		Issued by: FHI		Date of is	ssue: 08/10/2018			
Case No: 2019-0347				Date of visit: 2	24/07/2019			
Time spent on site:	hrs	N	Main Inspector:					
Site No: FS0241 Business No: FB0119	Site Name: Business Name:	Kingairloch Mowi Scotland Ltd	d					
Case Types: 1 VMD 2	2 3	4	5	6				
Water Temp (°C):	Thermometer No:		.	FHI 045 complet	red			
Observations:	Region: HI	Water type:	S	CoGP MA	M-36			
Dead/weak/abnormally behaving fish present? 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.								
UNI/REG only - if unable to carry out intended visit detail reason below:								

Additional Case Information:

Due to the remote location of the site and accessibility the visit was agreed the previous week.

Fish sampled for VMD appeared healthy.

FHI 059, Version 12	I 059, Version 12			Issued by: FHI			Date of issue: 08/10/2018		
Case No:	2019-0347		Site No:	FS024	1				
Date of Visit:		24/07/20	19		Inspector(s):]	
Registration/Author 1. Business/site deta 2. Changes made to	ails summary		y site represen	tative?			Y N	}	
Site Details									
Total No facilities		8	Facilities st	locked	3	No facilitie	es inspected	2	
	SAL	LUM	WRS						
3-3	2018 Q1	2018	Mixed						
No Fish	82,706	20,000	2,500						
Mean Fish Wt	5.8kg	150g	Mixed						
Next Fallow Date (Si	te)	Sep-19		Next Input D	ate (Site)	November	r 2019		
Recent (last 4 wks) o	disease prob	lems?		,	Y Any escapes	s (since last	visit)?	N	
If yes, detail:	CMS and PI	D, however	currently not c	ausing mortality	J.				
Movement Records									
Movement records available for inspection? Y									
2. Date of last inspec		// Inoposition					30/04/2019		
3. Are records complete		ectly entere	d?				50/5 //25	Y	
4. Are movement red		•		?				Y	
5. Are records comp								Y	
6. Are health certification		-		ilable?				N/A	
Transport Records									
1. Are any movemen	its carried ou	it by (or on l	behalf) of the b	ousiness (not us	sing a STB)?				
If yes, is there a syst	em in place	for mainten	ance of transp	ortation records	?				
Mortality Records									
1. Mortality records a	available for i	inspection?						Y	
2. How are mortalitie	s disposed o	of?			Whole fish -	Dundas Ch	emicals		
If other detail:									
3. Mortality records of	complete and	I correctly e	ntered?					Y	
4. Recent mortality (I	last 4 wks):			564 morts 0.4% Cleaner fish:	•		wk28 304 0.3	%, wk29 323	
5. Evidence of recen		atypical mor		7 01001101 1101	1.0 70 pc. 14g	J 101 0 d.,		N	
If yes, facility nos/no		••		v/reason:					
ii yoo, idoiity iiooni.	mortant, ps.	luolity	Stook por racing	y/reacon.					
6. Any other peaks in	n mortality du	uring period	checked?					Y	
				morts mostly a	attributed to hy	drolicer trea	atment and Cl	MS:	
Cleanerfish: 4.96% pen 6 in May 2019, increased in all pens that month possibly due to harvesting and									
If yes, detail: handling activities on site.									
7. Have increased (u	inexplained)	mortalities	been reported	to vet or FHI?				N/A	
If yes, detail action:									
8. Have 'mortality eve	ents' been re	ported to F	HI? If no, add	MRT case and	enter on morta	ality events	sheet.	N/A	

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?		Y
If yes, detail:	g c	
If other, detail:	5.	
Medicines records available for insper	ection?	Y
3. Are records complete and correctly e		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	T.M.S.	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1. Biosecurity records available for insp	ection?	
2. Has the manner and frequency of mo	ortality removal, recording and safe disposal bee	n considered?
3. Has the manner and period in which	the APB will notify Scottish Ministers or veterinal	ry professional of any
increased (unexplained) mortality at the	e site been included?	
	e event that the presence or suspicion of the pre	
	d when that will be notified to Scottish Ministers?	
	animals being stocked on the farm site been cov	vered (equal or higher
health status, certification if required)?		
6. Have the husbandry and biosecurity	measures implemented between each epidemio	logical unit to minimise
transmission of disease been covered ((movement of staff, visitors, equipment, live or de	ead fish etc.)?
7. Is documentation available regarding	the measures in place to maintain the physical	containment of

aquaculture animals held on site?

2. If yes, are results available for inspection?

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

Records checked between:

Results of Surveillance

3. Any significant results?

If no, detail:

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

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

30/4/19 - 24/7/19

П	HI 059, Version 12							ISS	uea by: i	гпі			
	Case no:	2019-03	347	Site No:		FS0241			Date of Samplin		24/0	07/2019	24/0
	Priority samples:	VI		ВА		PA		MG		₉ . HI			
	Time sampling starts/ends: Environmental conditions:		0:00 Dry		0:00 Wet	 3	Inspecto Sunny		Windy	5	VMD No		20
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1	2										
	Pool Group												
	Species	SAL	SAL										
	Average weight	5.8kg	5.8kg										
	Sex	N/A	N/A										
	Water Type	SW	SW										
Stock Details		Loch Leven	Loch Leven										
S	Facility No	6	5										

07/2019 Additional Sample Information:													
0	0 Total Tests assigned 0												
				·									

Site No: FS0241

Case No: 2019-0347

Nature of non-compliance:

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

Action taken (FHI):

		_				_		
Case No:	2019-0347			Date of visit:	24/07/2019			
Site No:	FS0241	1		Inchestor	SAF	1		
OILE INU.	1 30241	ı		Inspector:	SAE	J		
Results Summary	Freq.			Da	te of Notifica	tion		
•	· ·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
		-			-			
		-						<u> </u>
								-
		Ī						
	1							1
				_				
Report Summary								
Case Type	Date	Insp	2 nd Insp					
VMD	29/07/2019							





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
 24/07/2019

 SITE NO
 FS0241
 SITE NAME
 Kingairloch

 INSPECTOR
 CASE NO
 20190347

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

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2015.

Samples were taken to be analysed for veterinary residues.

The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated.

Medicine records were inspected and found to be adequately maintained.

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.

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

Date: 29/07/2019

Signed:

Fish Health Inspector

R20

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018					
Case No: 2019-0352			Date of visit: 21/07/2019					
Time spent on site:	1 hour	Main Insp	pector:					
Site No: FS0575 Business No: FB0061	Site Name: Business Name:	Ormsary Smolt Unit Landcatch Natural Selection	on Ltd					
Case Types: 1 MOV	2 3	4 5	6					
Water Temp (°C):	Thermometer No:		FHI 045 completed N/A					
Observations:	Region: ST	Water type: F	CoGP MA					
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N N								
UNI/REG only - if unable to carry out intended visit detail reason below:								

Additional Case Information:

One tank inspected. E5, the tank containing the fish for export. No moribund fish observed in this tank. 21601 fish in tank at average weight of 28g.

Morts for E5; 2 over last week.- one of these attributed to fungus. Morts across E tanks low in past week. Peaked in E23; 43 fish/day/tank attributed to fungus and E4; 58/day fungus. Generally 0-20/tank/day attributed to fungus.

Weekly morts across site; Wk28; 0.29% 6787 - post grading fungus, wk27; 0.15% 3546 fish, wk26; 0.009% 2302 fish, wk25; 0.06% 1472 fish.

trial in treatment for fungus, halimid, formalin and Cress.

Export of 315 salmon parr to Wageningen uni Netherlands. Transported by Solway transport in pick-up truck with tank on back. Pick-up truck inspected as C&D and certificate of disinfection also inspected.

* Number of fish on site estimated as computer access was not available during visit.

FHI 059, Version 12	Issu	ed by: FHI	Date of issue: 08/10/2018
Case No: 2019-035	Site No:	FS0575	
Date of Visit:	21/07/2019	Inspector(s):
Registration/Authorisation I 1. Business/site details summ 2. Changes made to details?	Details ary checked by site representa	ative?	Y N
Site Details Total No facilities Species Age group No Fish Site Details sal fry to par		ocked 88	No facilities inspected 1
Mean Fish Wt 5g to 40g			
Next Fallow Date (Site)	none planned	Next Input Date (Site)	jan 2020
Recent (last 4 wks) disease p	roblems?	N Any escape	es (since last visit)?
5. Are records complete and o	correctly entered? ilable for dead fish and waste?		Y 25/02/2019 Y N/A N/A N/A
•	I out by (or on behalf) of the buce for maintenance of transpo		N/A
Mortality Records 1. Mortality records available f 2. How are mortalities dispose If other detail:	•	Incinerated	- on site
3. Mortality records complete 4. Recent mortality (last 4 wks)		al info	Y
5. Evidence of recent increase If yes, facility nos/no mortality	ed/atypical mortalities? per facility/no stock per facility	/reason:	N
6. Any other peaks in mortality If yes, detail:	during period checked?		N
If yes, detail action:	ed) mortalities been reported to n reported to FHI? If no, add M		N/A tality events sheet.

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)? If yes, detail:		
f 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)?		
f other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for inspection?		
Has the manner and frequency of mortality removal,	recording and safe disposal been considered	?
3. Has the manner and period in which the APB will no	•	al of any
increased (unexplained) mortality at the site been incl	uded?	
4 . I lee the continue the trible to the continue the the		-4
Has the action that will be taken in the event that the s detected been included and how and when that will		sted disease
5. Has the health status of aquaculture animals being s		or higher
nealth status, certification if required)?	stocked of the farm site been covered (equal)	or riighter
6. Have the husbandry and biosecurity measures imple	emented between each epidemiological unit to	minimise
transmission of disease been covered (movement of s	taff, visitors, equipment, live or dead fish etc.)	?
7. Is documentation available regarding the measures	in place to maintain the physical containment	of
aquaculture animals held on site?		
B. Have the biosecurity procedures been adequately in	nplemented on site?	
f no, detail:		
Results of Surveillance		
Has any animal health surveillance been carried out	by or on behalf of the business?	Y

Feb. 2019- 21/7/19

Very low costia in Feb. Saprolegnia in smolts.

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?

Case No:	2019-0352			Date of visit:	21/07/2019					
Site No:	FS0575	Inspector:								
Results Summary	Freq.			Da	te of Notification					
·		Database	Insp		Insp	Writing	Insp	2 nd Insp		
Damant Commercia										
Report Summary	Dete	la a a	and .							
Case Type	Date	Insp	2 nd Insp							
MOV	22/07/2019									





Landcatch Natural Selection Ltd Ormsary Fish Farm Lochgilphead Argyll PA31 8PE

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0061 DATE OF VISIT 21/07/2019
SITE NO FS0575 SITE NAME Ormsary Smolt Unit

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 Atlantic salmon parr for placing on the market in The Netherlands 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.

Signed: Date: 22/07/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter

FHI 059, Version 12	Is	sued by: FHI	Date of issue: 08/10/2018					
Case No: 2019-0359			Date of visit: 30/07/2019					
Time spent on site:	1	Main Inspec	tor:					
Site No: SS0548 Business No: SB0553	Site Name: Business Name:	Lamb Holm Orkney Shellfish Hatchery (O	SH) Ltd					
Case Types: 1 ECI 2	3	4 5	6					
Water Temp (°C): 14	Thermometer No:	Site	FHI 045 completed N					
Observations:	Region: OR	Water type: S	CoGP MA					
Dead/weak/abnormally behaving fish present? 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 N N N N N N N N N N N N								
UNI/REG only - if unable to carry out intended visit detail reason below:								

Additional Case Information:

Broodstock in fibreglass pools until they spawn, when they are moved across to hatchery trays.

Site has not yet moved any stock off site, but hopes to be moving 1 million larvae between 5-10mm to the Dornach Firth as part of the restocking project. The number of movements off will be dependent on the production levels on site, but site manager suspects there will be at least 3 movements off per year.

Site has only had 1 mortality since input. Individual was frozen. No waste has left the site yet. As the weekly waste for the site will most likely be <25kg, the site manager was advised to contact the local council to enquire about domestic waste disposal going forward.

Site thermometer used due to biosecurity concerns.

Inspection conducted by under supervision.

FHI 059, Version 12			Issue	ed by: FHI			Date of issu	e: 08/10/2018	
Case No:	2019-0359		Site No:	SS0548]				
Date of Visit:		30/07/2019			Inspector(s):			1	
Registration/Authornal Business/site details 2. Changes made to	ails summary		te representa	itive?			Y N]	
Site Details		20 Irove 1			/ Irayo 1	,		20 I rave 1	
Total No facilities		•	Facilities sto	cked	7 Trays, 1 Hatchery	No facilitie	s inspected	20 Trays, 1 Hatchery	
Species	OED 2017	OED 2019							
Age group No Fish	175	65							
	140g	10g				_			
Mean Fish Wt Next Fallow Date (S		No plan.		Next Input Da	oto (Sito)	TBC			
Next Fallow Date (S	ile)	по ріап.		Next Input Da		TBC			
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N	
Movement Records									
Movement record Date of last inspe Are records comp	s available fo ction:	·					1st Inspection	on Y	
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 movement of yes, is there a system.	nts carried ou			•	_				
Mortality Records 1. Mortality records	available for i	nspection?						Y	
2. How are mortalitie	es disposed o	f?			Other (detail)				
If other detail:		al comments.							
Mortality records (Percent mortality (•					4		Y	
 Recent mortality (Evidence of recer 	•			proodstock mo	rtality since in	out.		N	
If yes, facility nos/no				reason:				IN	
ii yoo, idomiy iioomo	mortanty per	Tuomity/110 oto	nt por raomey	Todoon.					
6. Any other peaks i If yes, detail:	n mortality du	ring period che	ecked?					N/A	
7. Have increased (u	unexplained)	mortalities bee	n reported to	vet or FHI?				N/A	
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/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?

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: 1st Inspection

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0359 Site No: SS0548 Date of Visit 30/07/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 25 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 0 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 0 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 3 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0 0

Total Risk

Case No:	2019-0359	Date of visit: 30/07/2019									
Site No:	SS0548	Inspector:									
Results Summary	Freq.	Date of Notification									
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp			
Report Summary											
Report Summary Case Type	Date	Insp	2 nd Insp								
FCI	02/08/2019	шэр	2 insp								
ECI	02/00/2010										





Orkney Shellfish Hatchery (OSH) Ltd The Lobster Ponds Lamb Holm Orkney KW17 2SF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0553
 Date of Visit
 30/07/2019

 Site No
 SS0548
 Site Name
 Lamb Holm

 Inspector
 Case No
 20190359

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.

No animal health surveillance had been carried out on behalf of the business and/or Marine Scotland since the last Marine Scotland Inspection.

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

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

Signed: Date: 06/08/2019

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter