FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0508			Date of visit: 17/09/2019
Time spent on site:	hour	Main Inspec	tor:
Site No: SS0009 Business No: SB0548	Site Name: Business Name:	Loup Bay Labbett Family Farms Ltd	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 14.7	Thermometer No:	T173	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	nil reason below:	

Bags not kept on trestles but tied to ropes between wooden poles in the mud. As a result the bags are fouled quite heavily with sea weed and algae.

Site is located next to a shorebase that contains equipment for depuration.

Paperwork and inspection completed by supervised by

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0508		Site No:	SS0009				
Date of Visit:		17/09/2019	9		Inspector(s):]
Registration/Authoral Business/site det 2. Changes made to	ails summary		site representa	ative?			Y N	}
Site Details								
Total No facilities		12	Facilities sto	cked	12	No facilitie	s inspected	2
Species	CGI	CGI						
Age group	Feb-19	Jul-19						
No Fish	14,454	2,013						
Mean Fish Wt	90g	50g						
Next Fallow Date (S	site)	Continuous	y stocked	Next Input Da	ite (Site)	Late 2019		
Recent (last 4 wks) If yes, detail:	disease prob	lems?		N	Any escapes	(since last	visit)?	N
Movement Record								
Movement record Date of last inspect	ds available fo	or inspection?					09/05/2016	Y
3. Are records comp		ectly entered	?				00/00/2010	N
4. Are movement re		•		•				N/A
5. Are records comp	plete and corr	ectly entered	?					N/A
6. Are health certific	ates for intro	ductions (out	with GB) availa	able?				N/A
Transport Records	\$							
1. Are any moveme	nts carried ou	it by (or on be	ehalf) of the bu	ısiness (not usi	ing a STB)?			
If yes, is there a sys	tem in place	for maintenar	nce of transpo	rtation records	?			
Mortality Records								
1. Mortality records	available for i	inspection?						N/A
2. How are mortaliti	es disposed o	of?			Other (detail)		
If other detail:	Landfill							
3. Mortality records	•	correctly ent	ered?					N/A
4. Recent mortality	(last 4 wks):		non observe	d				
5. Evidence of rece								N
If yes, facility nos/no	mortality per	r facility/no sto	ock per facility	/reason:				
								N1/A
6. Any other peaks If yes, detail:	ın mortality di	iring period c	hecked?					N/A
7. Have increased (uneyplained)	mortalities he	en reported to	vet or FHI2				N/A
If yes, detail action:		mortanties be	cirreported to	Vet of TTII:				14//
8. Have 'mortality e		ported to FH	l? If no, add M	IRT case and e	enter on morta	ality events s	sheet.	N/A
•								

4. 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?	У						
Has the manner and frequency of mortality removal, recording and safe disposal been considered?							
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	V						
increased (unexplained) mortality at the site been included?	У						
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?							
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	У						
health status, certification if required)?							
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	У						
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?	У						
8. Have the biosecurity procedures been adequately implemented on site?	V						
If no, detail:	•						
Results of Surveillance							
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N						
2. If yes, are results available for inspection?							
3. Any significant results?							
If yes, detail (if not detailed under recent disease problems).							
Records checked between: transfer of business - 17/0919							
Trecords dilected between.							

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0508 Site No: SS0009 Date of Visit 17/09/2019 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 Susceptible to Marteilia refringens (OED, MED) 0 3 Susceptible to OsHV (CGI) 0 3 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 5 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 Number of suppliers 0 5 10 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 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 2 Depuration of stock from other businesses sites within 0 2 6 MSS management area Depuration of stock from sites outwith MSS management 0 8 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

LOW

Case No:	2019-0508	:	Site No:	SS0009	
•	(Seawater Sites Only) enced sea lice problems in the pro	evious 4 years?			
2. Is the CoGP Farm N	Management Area (or equivalent)	fallowed synchronously on	a single y	ear class basis?	
azamethiphos and em	access to a range of licenced in-f amectin benzoate) as well as ac d in a reasonable period of time? ocumented farm management ago	cess to suitable biological a	and/or mecl	hanical control measure	s, and
Management Area (or					
5. Are sea lice count r	ecords available for inspection? ((Legal SSI, CoGP Annex 6)			
6. Do records adequate	tely reflect the required standard	specified in the SSI and the	CoGP? (L	egal SSI, CoGP Annex	6)
7. Are sea lice (<i>L. salr</i> records are inspected)	nonis) record levels below the su ? (CoGP Annex 6)	ggested criteria for treatme	nt in the Co	oGP during the period th	nat
	female sea lice (<i>L. salmonis</i>) nu 0/6/19) during the period that red	•	vel of 3 or a	above (prior to w/b 10/6/	19) or
If yes, have these bee	n reported to the Fish Health Insp	pectorate? If no, FHI see co	mment.		
9. Is C. elongatus infe	station at a level which is conside	ered to cause significant we	lfare proble	ems? (CoGP 4.3.81, 5.3	.50)
	reatments been administered or treatment or where <i>C. elongatus</i>				
11. Has any other acti	on been taken (where applicable)?			
12. Have therapeutic t	reatments or the actions taken ha	ad a significant impact upon	the lice le	vels recorded?	
13. Are treatments, wh	nere conducted, carried out in co	operation between participat	ting farms?	,	
	ng strategy for the site, where fev		_		for
	cific written lice management pro scalation of a sea lice infestation		ribing set a	ections to deal with reco	gnised
16. Do the sea lice lev	els observed on stocks reflect se	ea lice count data? If no plea	ase detail re	easons.	
Containment Inspect	ion				
1. Has the site experie	enced equipment damage due to	predators in the current or p	previous pro	oduction cycles?	
2. Are measures in pla	ace to mitigate against the predat	ion experienced on site? (D	etail below	')	
If other, detail below	:				
2. Have essent incide	ents or events been experienced	on or in the vicinity of the ci	to since the	a last EUI inspection?	N
•	·	•	te since the	e last l'ill illspection?	
	estions 4 – 9. If No skip to questi ported to Scottish Ministers?	ion 10			
5. Have these been re	ported to local DSFB forthwith (w	here they exist)? (CoGP -	4.4.37, 5.4	.17)	
	ported to the SSPO and local fish				17)
7. Were methods (if a	ny) used to recover escapees? If	yes give detail			
8 If all note were den	loyed was this action agreed with	local wild fish interests and	Was norm	ission diven by Scottish	
Ministers? (Legal, Co		nocal who han interests and	was perm	ission given by Scoulsn	
, -	ken to prevent and minimise the i	risk of further escapes? (No	t covered in	n code but could	
	er satisfactory measures of the				
10. Is the site inspecte	ed as satisfactory with regards to	containment? If no, please	detail reaso	on(s)	

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2019-0508	Date of visit: 17/09/2019						
Site No:	SS0009	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	08/10/2019		2 insp					
ECI	00/10/2010							





Labbett Family Farms Ltd Woodend Isle of Gigha Argyll PA41 7AD

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0548
 Date of Visit
 17/09/2019

 Site No
 Site Name
 Loup Bay

 Inspector
 Case No
 20190508

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

The surveillance frequency category of the site was assessed as low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth 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 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:

Movement records:

The source or destination is not maintained correctly, the company, the site name and the FS number should be recorded for each daily movement on or off site.

This 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.



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	Iss	ued by: FHI	Date of issue: 08/10/2018			
Case No: 2019-0509			Date of visit: 17/09/2019			
Time spent on site:	hours	Main Inspe	ector:			
Site No: SS0304 Business No: SB0548	Site Name: Business Name:	Traigh Bhan Labbett Family Farms Ltd				
Case Types: 1 ECI 2	3	4 5	6			
Water Temp (°C): 14.6	Thermometer No:	T173	FHI 045 completed			
Observations:	Region: ST	Water type: S	CoGP MA			
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N				
UNI/REG only - if unable to carry	out intended visit detail re	ason below:				

Currently only 2 bags on site and are held for toxin monitoring only. They were located quite far from where they are supposed to be according to the OS grid ref. for authorised site. Grid reference for site has been updated on Aquadat, although when site becomes properly stocked the location will need to be checked again.

Next stock was to be sourced from site near Oban but due to current health challenges on that site, plans to input next stock on hold.

Inspection and paperwork carried out by supervised by

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0509		Site No:	SS0304]			
Date of Visit:		17/09/2019			Inspector(s):):]
Registration/Authornal 1. Business/site detaction 2. Changes made to	ails summary		ite representa	ative?			y n	}
Site Details								
Total No facilities	201	2	Facilities sto	cked	2	No facilitie	es inspected	2
Species	CGI 2019							
Age group No Fish	250							
	98g							
Mean Fish Wt Next Fallow Date (S		continuous s	stocking	Next Input Da	oto (Sito)	See Addit	ional info	
Next Fallow Date (5	ile)	CONTINUOUS S	locking	Next Input Da	ile (Sile)	See Additi	ioriai inio.	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	visit)?	N
If yes, detail:								
Movement Record								
Movement record		r inspection?						Y
2. Date of last inspe		Порозили					09/05/2019	-
3. Are records comp		ectly entered?	·					N
4. Are movement re		•		>				N/A
5. Are records comp	olete and corre	ectly entered?	,					N/A
6. Are health certific	ates for introd	luctions (outw	ith GB) availa	able?				N/A
Transport Records	•							
1. Are any moveme		t by (or on be	half) of the bu	usiness (not us	ing a STB)?			
If yes, is there a sys			•	•	_			
Mortality Records								
1. Mortality records	available for i	nspection?						N/A
2. How are mortalitie		f?			Other (detail	l)		
	Landfill							
3. Mortality records	•	correctly enter	ered?					N/A
4. Recent mortality	•		non observe	d				
5. Evidence of recei		• •						N
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks i	in mortality du	ring period ch	acokod2					N/A
If yes, detail:	n mortality du	ring period cri	eckeu:					I Vires
7. Have increased (unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	vents' been re	ported to FHI	? If no. add N	IRT case and e	enter on mort	ality events	sheet.	N/A

If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
1. Biosecurity records available for inspection?	у
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	У
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?	У
4. Here the potion that will be taken in the event that the presence or evenision of the presence of a listed disease.	V
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	,
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	У
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	У
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	V
aquaculture animals held on site?	,
8. Have the biosecurity procedures been adequately implemented on site?	У
If no, detail:	
Results of Surveillance	
	NI NI
1. Has any animal health surveillance been carried out by, or on behalf of, the business?2. If yes, are results available for inspection?	IN
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
y = 2, = 2 a (v = 2 a a v = 2	
Records checked between: Transfer of business - 17/09/2019	

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0509 Site No: SS0304 Date of Visit 17/09/2019 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 Susceptible to Marteilia refringens (OED, MED) 0 3 Susceptible to OsHV (CGI) 0 3 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 5 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 Number of suppliers 0 5 10 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 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

OW

Case No:	2019-0509	Site No: SS0304								
Sea Lice Inspection (Seawater Sites Only)									
Has the site experient	nced sea lice problems	in the previous 4 years?								
2. Is the CoGP Farm Management Area (or equivalent) fallowed synchronously on a single year class basis?										
3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time? 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?										
5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)										
6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)										
7. Are sea lice (<i>L. salm</i> records are inspected?		ow the suggested criteria for treatment in the CoGP during the	period that							
		nonis) numbers per fish been at a level of 3 or above (prior to d that records are inspected?	w/b 10/6/19) or							
If yes, have these beer	reported to the Fish H	ealth Inspectorate? If no, FHI see comment.								
9. Is C. elongatus infes	station at a level which	is considered to cause significant welfare problems? (CoGP 4	.3.81, 5.3.50)							
		stered or other actions taken when <i>L. salmonis levels</i> have extended in the state of the state								
11. Has any other action	on been taken (where a	pplicable)?								
12. Have therapeutic tr	eatments or the action	s taken had a significant impact upon the lice levels recorded?								
13. Are treatments, wh	ere conducted, carried	out in cooperation between participating farms?								
sea lice?	•	where fewer populations or part populations are held without t								
15. Is there a site spec scenarios during the es		ment procedure with waypoints describing set actions to deal nfestation?	with recognised							
16. Do the sea lice leve	els observed on stocks	reflect sea lice count data? If no please detail reasons.								
Containment Inspecti	ion									
1. Has the site experien	nced equipment dama	ge due to predators in the current or previous production cycle	s?							
2. Are measures in pla	ce to mitigate against t	ne predation experienced on site? (Detail below)								
If other, detail below:										
Have escape incide	nts or events been exp	erienced on or in the vicinity of the site since the last FHI insp	ection?							
If Yes proceed with que		·								
4. Have these been rep		•								
5. Have these been rep	ported to local DSFB fo	rthwith (where they exist)? (CoGP - 4.4.37, 5.4.17)								
6. Have these been rep	ported to the SSPO an	I local fisheries trusts forthwith (where they exist)? (CoGP – 4.	4.37, 5.4.17)							
7. Were methods (if an	y) used to recover esc	apees? If yes give detail								
8. If all nets were deal	oved was this action a	reed with local wild fish interests and was permission given by	v Scottish							
Ministers? (Legal, CoG		The state of the s								
9. What action was tak	en to prevent and mini	mise the risk of further escapes? (Not covered in code but cou	ıld							
be considered under	r satisfactory measu	es of the Act)								
10. Is the site inspecte	d as satisfactory with r	egards to containment? If no, please detail reason(s)								

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2019-0509	Date of visit: 17/09/2019							
Site No:	SS0304	Inspector:							
Results Summary	Freq.			Dat	te of Notificat	tion			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
Report Summary									
Report Summary Case Type	Date	Incn	and Image						
Case Type	08/10/2019	Insp	2 nd Insp						
ECI	00/10/2019								
	 								





Labbett Family Farms Ltd Woodend Isle of Gigha Argyll PA41 7AD

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0548Date of Visit17/09/2019Site NoSS0304Site NameTraigh BhanInspectorCase No20190509

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

The surveillance frequency category of the site was assessed as low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth 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 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:

Movement records:

The source or destination is not maintained correctly, the company, the site name and the FS number should be recorded for each daily movement on or off site.

This 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.



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: 2019-0510			Date of visit: 18/09/2019
Time spent on site:	? hours	Main Inspect	or:
Site No: FS0938 Business No: FB0393	Site Name: Business Name:	General Aquarium Facility Marine Environmental Resear	ch Laboratory
Case Types: 1 MIX	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit deta	il reason below:	

Site is a research facility that conducts a number of different trials. Some involving medicated feeds.

Under The Veterinary Medicines Regulations 2013, products that are administered in the course of a procedure licenced under the Animals (Scientific Procedures) Act 1986 to animals that are not intended for human consumption, are exempt from providing records required under the Veterinary Medicines Regulations 2013.

In this case all work carried out on site is licenced under the Animal (Scientific Procedures) Act 1986, and therefore is except from providing information on treatments and withdrawal periods as required for treatment records.

Inspection and paperwork carried out by supervised by

FHI 059, Version 12			Issu	ed by: FHI			Date of issue	e: 08/10/2018
Case No:	2019-0510		Site No:	FS0938]			
Date of Visit:		18/09/2019	1		Inspector(s):]
Registration/Authoral Business/site deta 2. Changes made to	ils summary		ite representa	ative?				
Site Details Total No facilities Species Age group			Facilities sto	cked		No facilitie	s inspected	
No Fish								
Mean Fish Wt Next Fallow Date (Si	te)			Next Input Da	ite (Site)			
Recent (last 4 wks) of If yes, detail:	disease proble	ems?			Any escapes	(since last	visit)?	
Movement Records								
 Movement records Date of last inspect Are records comp Are movement records Are records comp Are health certification 	ction: lete and corre cords available lete and corre	ectly entered? e for dead fis ectly entered?	h and waste?					
Transport Records 1. Are any movement lf yes, is there a syst	nts carried out		•	•	_			
Mortality Records 1. Mortality records a 2. How are mortalitie If other detail: 3. Mortality records a 4. Recent mortality (I	es disposed of complete and	r? [`]	ered?					
5. Evidence of recen If yes, facility nos/no	t increased/at			/reason:				
6. Any other peaks ir If yes, detail:								
7. Have increased (u If yes, detail action: 8. Have 'mortality eve					enter on morta	ility events s	sheet.	

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
1. Recent treatments (last 4 wks)?		N/A
If yes, detail: If other, detail:		
2. Medicines records available for inspec		N/A
3. Are records complete and correctly en	tered?	N/A
4. Are fish in a withdrawal period?		N/A
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		N/A
Biosecurity Records		
1. Biosecurity records available for inspec	ction?	
2. Has the manner and frequency of more	tality removal, recording and safe disposal bee	en considered?
•	e APB will notify Scottish Ministers or veterina	ry professional of any
increased (unexplained) mortality at the	site been included?	

Records checked between: n/a

Case No:	2019-0510			Date of visit:	18/09/2019			
Site No:	FS0938			Inspector:				
Results Summary	Freq.			Dat	te of Notificat	tion		
ricount cummary	. 154.	Database	Insp		Insp	Writing	Insp	2 nd Insp
	-							
	1							
	-							
Report Summary								
Case Type	Date	Insp	2 nd Insp					
MIX	08/10/2019		2 11100					

FHI 059, Version 12	Issu	ed by: FHI	Date of issue: 08/10/2018						
Case No: 2019-0512			Date of visit: 18/09/2019						
Time spent on site:		Main In:	spector:						
Site No: FS1306 Business No: FB0565	Site Name: Business Name:	Machrihanish Hanger NIRI Scotland Ltd							
Case Types: 1 REG 2	3	4 5	6						
Water Temp (°C):	Thermometer No:		FHI 045 completed						
Observations:	Region: ST	Water type: B	CoGP MA M-49						
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	If yes, see additiona	Il information/clinical score sheet. Il information/clinical score sheet. Il information/clinical score sheet.						
UNI/REG only - if unable to carry out intended visit detail reason below:									

40 000 fish planned for input in 2020 (early)

3x Ten tonne containers of ensiled morts left from last cycle. However 2 of them have been emptied, since owner was away only one remains. Complaints from neighbours about the smell. Manager does not know where the waste has gone.

Site is currently fallow. No fish on site since 2016, but plans to restock.

There was a big issue with sludge build up at bottom of tank, which couldn't be removed this was problematic to fish health

Biosecurity measures plan needs to be submitted. Advice will be given to inspect before restocking.

Site is no longer operated by NIRI, business transfer paperwork is to be completed by operator.

Inspection and paperwork carried out by supervised by

FHI 059, Version 12	Iss	ued by: FHI	Date	of issue: 08/10/2018
Case No: 2019	-0512 Site No:	FS1306		
Date of Visit:	18/09/2019	Inspe	ector(s):	
Registration/Authorisation 1. Business/site details sur 2. Changes made to detail	mmary checked by site represen	tative?	Y	
Site Details Total No facilities Species Age group	Tacilities st	tocked 0	No facilities inspe	ected 1
No Fish				
Mean Fish Wt Next Fallow Date (Site)	Fallow	Next Input Date (Sit	e) Q1 2020	
Recent (last 4 wks) diseas	e problems?	N/A Any e	escapes (since last visit)?	N/A
5. Are records complete at6. Are health certificates for	nd correctly entered? available for dead fish and waste		22/11	Y 1/2016 Y N/A N/A N/A
-	ried out by (or on behalf) of the b		тв)?	
Mortality Records 1. Mortality records available 2. How are mortalities disp	•	Ensile	ed - on site	Y
If other detail: 3. Mortality records comple 4. Recent mortality (last 4		2016		N/A
5. Evidence of recent incre				N/A
6. Any other peaks in mort If yes, detail:	tality during period checked?			N/A
7. Have increased (unexpl	ained) mortalities been reported been reported to FHI? If no, add I		n mortality 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: 2. Medicines records available for inspects 3. Are records complete and correctly en 4. Are fish in a withdrawal period? 5. If yes, what treatment(s)? If other, detail: 6. Are medicines stored appropriately?		
Biosecurity Records 1. Biosecurity records available for inspe 2. Has the manner and frequency of mor	rtality removal, recording and safe disposal bee he APB will notify Scottish Ministers or veterina	
is detected been included and how and	event that the presence or suspicion of the prewhen that will be notified to Scottish Ministers? Inimals being stocked on the farm site been con	
transmission of disease been covered (n	neasures implemented between each epidemio novement of staff, visitors, equipment, live or de the measures in place to maintain the physical adequately implemented on site?	ead fish etc.)?
Results of Surveillance		
Has any animal health surveillance be	en carried out by, or on behalf of, the business	?

22/11/16 - 18/09/19

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?

FHI 059, Version 12		Issued by: FHI			Date of	of issue	: 08/10/2018
Case Number:	2019-0512		Site No:	FS1306		Insp:	
Date of Visit	18/09/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	
operation in the second	Number of sup	ncluding third country	0			14	-
Movements off			1 0			10	
Movements on	Frequency of m		0			10	0
Exposure via water	rumber of des	Site contacts					
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species	disinfection or l	,	0				0
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		
,		or in a coastal zone with category III					-
		n or within 1 tidal excursion	1	3	6		oxdot
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
	Tarrio apotroan	TOT WILLIAM T LIGHT EXCEPTION	<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
the rules of the directive	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent state	from zone or compartment of us	4				
	Processing fish	from Category III farm	8				
	Processing fish	rfrom 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	1			ш
CoGP/Regulator				•			
Practices in accordance	Yes		0	1			$\overline{}$
with regulator or industry code of practice	No		3	-			$\vdash \vdash$
code of practice				J			
Platform access to cages	Yes		0				0
	No		2				
					Total		0
					Rank		LOW

Case No:	2019-0512		Site No:	FS1306						
•	(Seawater Sites Only)									
1. Has the site experie	nced sea lice problems	in the previous 4 years?								
2. Is the CoGP Farm N	Management Area (or e	quivalent) fallowed synchron	ously on a single ye	ear class basis?						
azamethiphos and em can these be deployed	amectin benzoate) as d in a reasonable perioc cumented farm manag	enced in-feed and bath sea li well as access to suitable bio I of time? ement agreement or stateme	ological and/or mech	nanical control measu	res, and					
5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)										
6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)										
7. Are sea lice (<i>L. saln</i> records are inspected?		ow the suggested criteria for	treatment in the Co	GP during the period	that					
		<i>monis</i>) numbers per fish beer od that records are inspected		bove (prior to w/b 10/	6/19) or					
If yes, have these bee	n reported to the Fish I	lealth Inspectorate? If no, FH	Il see comment.							
9. Is C. elongatus infe	station at a level which	is considered to cause signif	ïcant welfare proble	ems? (CoGP 4.3.81, 5	5.3.50)					
		stered or other actions taken longatus is considered to ha								
11. Has any other action	on been taken (where a	pplicable)?								
12. Have therapeutic t	reatments or the action	s taken had a significant impa	act upon the lice lev	els recorded?						
13. Are treatments, wh	nere conducted, carried	out in cooperation between p	participating farms?							
14. Is there a harvestir sea lice?	ng strategy for the site,	where fewer populations or p	part populations are	held without treatmer	nt for					
	cific written lice manage scalation of a sea lice i	ment procedure with waypoir nfestation?	nts describing set a	ctions to deal with red	cognised					
16. Do the sea lice lev	els observed on stocks	reflect sea lice count data? I	f no please detail re	easons.						
Containment Inspect	ion									
1. Has the site experie	nced equipment dama	ge due to predators in the cur	rrent or previous pro	oduction cycles?						
2. Are measures in pla	ace to mitigate against	he predation experienced on	site? (Detail below)							
15 (1 1 2 2 1 1										
If other, detail below	:									
Have escape incide	ents or events been exp	erienced on or in the vicinity	of the site since the	last FHI inspection?	N/A					
If Yes proceed with qu	estions 4 – 9. If No ski	to question 10								
	ported to Scottish Mini									
5. Have these been re	ported to local DSFB fo	rthwith (where they exist)? (C	CoGP - 4.4.37, 5.4.	.17)						
6. Have these been re	ported to the SSPO an	d local fisheries trusts forthwi	th (where they exist	e)? (CoGP – 4.4.37, 5.	4.17)					
7. Were methods (if ar	ny) used to recover esc	apees? If yes give detail								
8. If all nets were den	loved was this action a	greed with local wild fish inter	ests and was permi	ssion given by Scottis	sh					
Ministers? (Legal, Co		, sou man lood mild hor little	Total and mad point	2. S. C. S. C. C. S. C.						
9. What action was tak	cen to prevent and min	mise the risk of further escap	es? (Not covered in	code but could						
be considered unde	er satisfactory measu	res of the Act)								
10. Is the site inspecte	ed as satisfactory with r	egards to containment? If no,	please detail reaso	on(s)						

Issued by: FHI

Date of issue: 08/10/2018

FHI 059, Version 12

Case No:	2019-0512			Date of visit:	18/09/2019			
Site No:	FS1306			Inspector:				
Results Summary	Freq.			Date of Notification				
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	 							
Report Summary								
Case Type	Date	Insp	2 nd Insp					
REG	04/10/2019							
	 							





NIRI Scotland Ltd 122 Sound of Kintyre PA28 6NU

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NOFB0565DATE OF VISIT18/09/2019SITE NOFS1306SITE NAMEMachrihanish HangerINSPECTORCASE NO20190512

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.

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

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.

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

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

Signed: Date: 08/10/2019

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 is	sue: 08/10/2018				
Case No: 2019-0513				Date of visit: 1	9/09/2019			
Time spent on site:)		Main Inspector:					
Site No: FS0629 Business No: FB0119	Site Name: Business Name:	Poll Na Gille Mowi Scotland Lt	d					
Case Types: 1 ECI 2	CNI 3 SLI	4 VMD	5 DIA	6				
Water Temp (°C): 13.9	Thermometer No:	T173	_ '	FHI 045 complete	ed			
Observations:	Region: ST	Water type:	S	CoGP MA	M-40			
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? J If yes, see additional information/clinical score sheet. Y If yes, see additional information/clinical score sheet. Y J If yes, see additional information/clinical score sheet. Y J If yes, see additional information/clinical score sheet.								
UNI/REG only - if unable to carry out intended visit detail reason below:								

Lump fish were culled over week 36 (11,733 - 27.59%) and 37 (27733 - 89.69%) during hydrolicer treatments, this was due to lumpfish not doing well in the pens and suffering from bacteria infection and poor gill health. There are only 3189 lumpfish left on the site.

Mowi sites in area in regular contact with Kames farms within management area and they share treatment boats and do synchronised bath treatments and slice treatments.

Sea lice was recorded at being 2.5 adult females per fish in week 38 of 2019, this was reported to the FHI and was brought back down the following week after treatments using an optilicer.

During the inspection moribund salmon were observed in pens 9, 13 and 16. Fish were removed for diagnostic sampling.

Inspection and paperwork was carried out by supervised by

FHI 059, Version 12			Issu	ed by: FHI			Date of issue	e: 08/10/2018	
Case No:	2019-0513		Site No:	FS0629	9				
Date of Visit:		19/09/2019]		Inspector(s):]	
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			y N		
Site Details									
Total No facilities		16	Facilities sto	cked	16	No facilities	s inspected	16	
Species	SAL	Lump							
Age group	2018 Q3's	2019 Q1's							
No Fish	613,298	3,189							
Mean Fish Wt	3215g	200g							
Next Fallow Date (S	ite)	April 2020		Next Input Da	ate (Site)	July 2020			
Recent (last 4 wks)	disease prob	ems?		Y	Any escapes	s (since last v	/isit)?	N	
If yes, detail:	Anaemia, H					(, .		
1. Movement record 2. Date of last inspec 3. Are records comp 4. Are movement rec 5. Are records comp 6. Are health certificator Transport Records 1. Are any movement If yes, is there a syst Mortality Records 1. Mortality records	Are any movements carried out by (or on behalf) of the business (not using a STB)? N If yes, is there a system in place for maintenance of transportation records?								
2. How are mortalitie	es disposed o	f?			Whole fish -	Dundas Che	micals		
If other detail:			10					V	
 Mortality records of Recent mortality (correctly ente		- 4.21%)wk36	6(9362 1.30%)	wk35(5563 ().73%)wk34(1089 -	
5. Evidence of recen	nt increased/a	typical mortal	ities?					Y	
If yes, facility nos/no	• •	•							
All pens. Issues with				d large mortali	ity but now retu	urned to norr	mal levels.		
Any other peaks in If yes, detail:	n mortality du	ring period ch	necked?					N	
7. Have increased (u	inexplained)	mortalities be	en reported to	vet or FHI?				N/A	
If yes, detail action:									
B. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.									

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?		Y
	gen peroxide Hydrolicer TMS	
If other, detail:		
2. Medicines records available for inspec		Y
Are records complete and correctly ent	ered?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	TMS	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
Biosecurity records available for inspec	ction?	Y
2. Has the manner and frequency of mort	tality removal, recording and safe disposal be	een considered?
3. Has the manner and period in which th	e APB will notify Scottish Ministers or vetering	ary professional of any
increased (unexplained) mortality at the	site been included?	Y
	event that the presence or suspicion of the p	
	when that will be notified to Scottish Ministers	
	nimals being stocked on the farm site been c	overed (equal or higher Y
health status, certification if required)?		
6. Have the husbandry and biosecurity m	easures implemented between each epidem	iological unit to minimise
transmission of disease been covered (m	ovement of staff, visitors, equipment, live or	dead fish etc.)?
7. Is documentation available regarding the	he measures in place to maintain the physica	al containment of Y
aquaculture animals held on site?		
8. Have the biosecurity procedures been	adequately implemented on site?	Y
If no, detail:		
DItf O		

- 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).

Bleeding gills observed during treatment

Some grazing damage from lice observed. Fish anaemia found from blood analysis. No AGD, PGD gill scores of 2-4 HSMI was confirmed on site in May, CMS was not detected.

Records checked between:

29/11/17-19/09/19

	ni 059, version 12			_				155	sueu by.	ГП			
	Case no:	2019-0	513	Site No:		FS0629			Date of		19/	09/2019	19/0
	Priority samples:	VI		ВА		РА		MG	Samplin	ig: HI		l	
	Time sampling starts/ends:		80:00		0:00		Inspecto	or:			VMD No	0.	20
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Υ	ВА	Υ	MG	Υ	VI	Υ	PA		Total Sa	mples
A	dd Fish/Pools - click												
Ш	Pool/Fish No	F1	F2	F3	F4	F5	P1						
	Fish nos	1	2	3	4	5	1-5	6	7	8	9		
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL		
	Average weight	3200g	3200g	3200g	3200g	3200g	3200g	3200g	3200g	3200g	3200g		
	Sex	N/A	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		
stock Details	Stock Origin Facility No	o Arkaig (FS0649)	ص Arkaig (FS0649)	ದ Arkaig (FS0649)	ക Arkaig (FS0649)	ക Arkaig (FS0649)	Arkaig (FS0649)	الم Arkaig (FS0649)	റ Arkaig (FS0649)	حا Arkaig (FS0649)	ഗ Arkaig (FS0649)		
S	acility NO	9	9	13	10	10		2	12	1	9		

09/2019 Additional Sample Information:													
6		Total To	ests ass	igned	5	1							

FHI 059, Version 12 Issued by: FHI Date of issue: 08/10/2018 Method of killing: Percussive Case no: Site No: FS0629 2019-0513 Inspector(s): Sheet Relevant: Y Date of visit: 19/09/2019 S for strong presence: M for medium presence: W for weak presence Fish Number Time sampled after death (if > 45 minutes) External Signs Behaviour Moribund Lethargic Hanging vertical Spiralling Flashing Loss of equilibrium Body Dark Distended abdomen Anorexic Scale Oedema Opercula Shortened Flared W M Haemorrhaging Throat Ventrum Base of fins Elsewhere Eyes Exophthalmic Enophthalmic (sunken) Cataract Haemorrhagic Gills Pale Zoned Necrotic М М Lesions Flank M Elsewhere Vent Inflamed Trailing faeces Lice Load Estimate numbers Internal Signs Clear Ascites Bloody Oedema In tissues W Heart Pale/anaemic Granulomas M W M Deformed Liver W Petechial haem Gross haem Tissue breakdown Enlarged Colour number(s) Granulomas Lesions Pyloric caeca Petechial haem Tubules mauve Lack of fat Spleen Enlarged W Granulomas Gut No food present Yellow pseudo-faeces External haem Internal haem Body wall Haemorrhaging Swim bladder Haemorrhaging Fluid filled Kidney Swollen Grey Granular Liquefied Parasites present General

Anaemia

Case no: 2019-0513

Date of visit: 19/09/2019

Date of visit.	19/09/20	19				
S for strong preser	nce: M for medium presence: W fo	or w				
Fish Number	·					
	er death (if > 45 minutes)					
External Signs	,				-	
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					
Ollio	Zoned		_			
	Necrotic					
Lesions	Flank		_			
Lesions	Elsewhere					
Vent	Inflamed					
Vent	Trailing faeces					
Lice Load	Estimate numbers		_			
LICE LOAG	Estimate numbers					
Internal Signs			_			
Ascites	Clear					
ASCILES	Bloody		_			
Oadama	-					
Oedema Heart	In tissues Pale/anaemic		_			
neart	Granulomas					
	Deformed		_			
Liver	Petechial haem					
Liver	Gross haem		_			
	Tissue breakdown					
	Enlarged Colour number(s)					
	Granulomas					
Didanta a	Lesions					
Pyloric caeca	Petechial haem					
	Tubules mauve					
0-1	Lack of fat					
Spleen	Enlarged					
04	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					

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

FHI 059, Version 12		Issued by: FHI				Date	of issue	: 08/10/2018
Case Number:	2019-0513		Site N	o:	FS0629		Insp:	
Date of Visit	19/09/2019		No of	mo	ovements/s	upp./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	
with GB) of susceptible species		novements on from equivalent zone	or	0	9	18	26	
·	Number of sup	ncluding third country pliers	+	0	5	10	14	-
Movements off	Frequency of n		+	0	3	6	10	10
Wovernerits on	Number of des		+	0	3	6	10	3
Exposure via water		Site conta	cts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	,		0				
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion		1	2	4		2
	farms upstrean	or in a coastal zone with category II n or within 1 tidal excursion		1	3	6		ш
		or in a coastal zone with category \ n or within 1 tidal excursion	/	1	4	8		ш
Management practices			None		Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent wat	ers	0	1	2		0
On farm processing within the rules of the directive	No on farm pro			0				
	Processing ow	n fish (re-cycling risk)		1				1
	Processing fish	from MS of equivalent status		2				
	Processing fish from zone or compartment of equivalent status			4				
	_	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				
products	Common processes with other farms			3				3
	Collection poin	t for waste from other farms		5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed		0				0
	Feeding unpas	teurised feed		5				
Biosecurity		Number of si	tes	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		0	1	2		2
	Sites sharing s	taff and equipment		0	1	2		0
Disinfection of equipment	Yes			0				0
between sites, use of footbaths etc	No		_	1				-
CoGP/Regulator			_					
Practices in accordance	Yes			0				0
with regulator or industry code of practice	No			3				
Platform access to cages	Yes			0				0
	No			2				
						Total Rank		21 MEDIUM

Case No:	2019-0513		Site No:	FS0629		
Sea Lice Inspection (s in the previous 4 years	s?		Y	
•	•	equivalent) fallowed syn		year class basis?	Y	
3. Does the site have a	access to a range of lic	enced in-feed and bath well as access to suitab	sea lice medications (in	ncluding deltamethrin,	res, and	
•	cumented farm manag	ement agreement or sta	atement relevant to the	site and CoGP Farm	Υ	
5. Are sea lice count re	cords available for ins	spection? (Legal SSI, Co	GP Annex 6)		Υ	
6. Do records adequate	ely reflect the required	standard specified in th	e SSI and the CoGP? (Legal SSI, CoGP Anne	ex 6) Y	
7. Are sea lice (<i>L. salmonis</i>) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)						
_	•	<i>monis</i>) numbers per fisl od that records are insp		above (prior to w/b 10/	/6/19) or N	
If yes, have these beer	reported to the Fish I	Health Inspectorate? If r	no, FHI see comment.		Y	
9. Is C. elongatus infes	station at a level which	is considered to cause	significant welfare prob	olems? (CoGP 4.3.81, 5	5.3.50) N	
		istered or other actions elongatus is considered				
11. Has any other actio	on been taken (where	applicable)?			Y	
12. Have therapeutic tr	eatments or the action	ns taken had a significar	nt impact upon the lice l	evels recorded?	Y	
•		_			Y	
13. Are treatments, where conducted, carried out in cooperation between participating farms? Y 14. Is there a harvesting strategy for the site, where fewer populations or part populations are held without treatment for sea lice?						
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised Y scenarios during the escalation of a sea lice infestation?						
16. Do the sea lice leve	els observed on stocks	s reflect sea lice count d	ata? If no please detail	reasons.	Υ	
Containment Inspecti	on					
Has the site experier	nced equipment dama	ge due to predators in t	he current or previous p	production cycles?	N	
2. Are measures in pla	ce to mitigate against	the predation experience	ed on site? (Detail belo	w)	Υ	
O tak seal scarer.	Seal blinds	High tensioned no	ets	top nets		
If other, detail below:						
Have escape incide	nts or events been ex	perienced on or in the vi	cinity of the site since t	he last FHI inspection?	N	
If Yes proceed with que 4. Have these been rep		•				
5. Have these been rep	ported to local DSFB fo	orthwith (where they exis	st)? (CoGP - 4.4.37, 5.	.4.17)		
6. Have these been rep	oorted to the SSPO an	d local fisheries trusts fo	orthwith (where they exi	ist)? (CoGP – 4.4.37, 5	.4.17)	
7. Were methods (if an	y) used to recover esc	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 was peri	mission given by Scottis	sh	
Ministers? (Legal, CoG			, , ,	, , , , , , , , , , , , , , , , , , , ,		
9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could						
be considered under	r satisfactory measu	res of the Act)				
10. Is the site inspected	d as satisfactory with r	regards to containment?	If no, please detail rea	son(s)	Υ	

Issued by: FHI

FHI 059, Version 12

Date of issue: 08/10/2018

FHI 059, Version 12		Issued by: FHI	Γ	Date of issue: 08/10/2018
Case No: 2019-0513	Site No:	FS0629		
Date of Visit: 1	9/09/2019 I	Inspector:	_	
Point of Compliance				
1. Is the farm under inspection	n located within a farm	management area?		Υ
If N, no further questions requ	uire completion.			
Points of Compliance for Be	oth Farm Managemer	nt Agreements and Stat	tements	
 Has a current farm manage Is the current FMAg/S avai Does the FMAg/S identify t 	lable for inspection? he relevant farm mana he fish farm site(s) to v he date of commencen	ngement area? which it applies?		Y y y y y
Arrangements for Fish Heal	th Management			
8. Does the FMAg/S identify t farm?	he minimum health sta	indards for the stocks to	be introduced to the area	or <u>y</u>
 Does the FMAg/S identify t Does the FMAg/S identify Does the FMAg/S identify individual farm? 	the species of fish whi	ich may be stocked into t	the area or farm?	у У У
12. Does the FMAg/S identify fish farm in the area or the in		the storage and disposal	of any dead fish from any	у
Arrangements for The Mana	agement of Sea Lice			
13. Does the FMAg/S identify	arrangements for the	sharing of data on sea lic	ce numbers and treatment	ts? y
14. Does the FMAg/S identify of statement?	the availability and the	use of medicines on far	ms covered by the agreer	
15. Does the FMAg/S identify lice on farms in the area or in		he sensitivity testing of a	vailable treatments for se	
16. Does the FMAg/S identify used on farms in the area or i		der which biological conti	rols and cleaner fish are to	
17. Does the FMAg/S identify	the arrangements for s	synchronous treatments	on farms within the area?	у
Live Fish Movements				
18. Does the FMAg/S identify area or farm? 19. Does the FMAg/S identify				
or individual farms?				

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Harvesting		
20. Does the FMAg/S identify acceptable h	narvest practices on farms in the area or indiv	vidual farms?
Fallowing		
21. Does the FMAg/S identify the dates by date when a farm or area may be restocke	which the area or individual farm will be fallo	w and the earliest
22. Does the FMAg/S identify whether one agreement or statement?	or more year classes may be stocked onto s	sites covered by the Y
23. Does the FMAg/S identify whether brockovered by the agreement or statement?	odstock or potential broodstock are to be kep	ot on any site
Point of Compliance for Farm Managem	nent Agreements Only	
24. Does the farm management agreement parties to the agreement?	nt include arrangements for persons to becom	ne, or cease to be,
Management and operation		
25. Is the fish farm being managed and op	erated in accordance with the agreement or	statement?
26. What is the version no/date of issue of	the FMAg/S? 19/09/2018	

Case No: 2019-0513 Date of visit: 19/09/2019 Site No: FS0629 Inspector: Results Summary Freq. Date of Notification Database Writing Insp Phone Insp Insp 2nd Insp 09/10/2019 MG AGD 5/5 01/10/2019 02/10/2019 MG SAL POX 5/5 01/10/2019 02/10/2019 09/10/2019 MG PARA THER 5/5 01/10/2019 02/10/2019 09/10/2019 09/10/2019 0/1 MG IHNQ 01/10/2019 02/10/2019 MG IPN 09/10/2019 0/1 01/10/2019 02/10/2019 MG ISA 0/1 01/10/2019 02/10/2019 09/10/2019 09/10/2019 MG SAV 0/1 01/10/2019 02/10/2019 0/1 MG VHS 01/10/2019 02/10/2019 09/10/2019 LPAT 2/5 01/10/2019 02/10/2019 09/10/2019 SPAT 3/5 01/10/2019 09/10/2019 02/10/2019 09/10/2019 **AMGD** 5/5 01/10/2019 02/10/2019 SPVH 5/5 01/10/2019 02/10/2019 09/10/2019 09/10/2019 EPIT 2/5 01/10/2019 02/10/2019 **PMCH** 5/5 09/10/2019 01/10/2019 02/10/2019 **VSPE** 5/5 08/10/2019 08/10/2019 09/10/2019 5/5 CGDH 01/10/2019 09/10/2019 02/10/2019 Report Summary 2nd Insp Case Type Date Insp ECI CNI SLI VMD 09/10/2019 DIA 09/10/2019





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
 19/09/2019

 Site No
 FS0629
 Site Name
 Poll Na Gille

 Inspector
 Case No
 20190513

Section 1: Summary

During a routine inspection of the above site, a number of moribund and lethargic fish were observed, five were removed from a variety of pens for further examination and subsequent diagnostic sampling. A recent mortality event caused by an environmental insult had been reported three days before the inspection.

Histopathology examination revealed mild multifactorial gill pathology which included presence of amoebic cells suggestive of amoebic gill disease, and apoptotic cells consistent with the presence of salmon gill pox virus. These observations were confirmed by QPCR. Moderate lamellar circulatory disturbances potentially associated with a water borne insult, mild hepatic and splenic necrosis were also observed.

Due to gill health issues observed on site samples were screened for *Paranucleospora theridion* (syn, *Desmozoon lepeophtherii*). Samples tested positive for the pathogen.

Two *Vibrio* sp were identified from all five fish. Overall the level of purity and growth would not suggest that these bacteria were 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

During a routine inspection of the Poll na Gille site, a number of moribund and lethargic Atlantic salmon were observed, five were removed for further examination and subsequent diagnostic

R09

sampling. A significant mortality (1.18%) had been reported for the week before the inspection. This was attributed to treatment losses and an unknown (at the time) environmental insult. The same week of the inspection, a 4.21% mortality was reported due the same environmental insult.

Externally: F1 and F2 showed haemorrhaging around the throat. F1, F2 and F3 all had lesions on the flank. F3 and F5 had pale gills and F5 had necrosis of the gills. F4 had a shortened operculum.

Internally: F1-5 hearts appeared deformed with F3-5 appearing slightly anaemic. F1, F2 and F5 had fatty deposits around the heart. F2 and F4 had some petechial haemorrhaging on the liver. All 5 fish showed enlarged spleens and F1 and F2 had fatty deposits on the spleen.

Samples

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

Fish number	Pool number	Facility number	Species	Stage	Origin
1-2	1	9	Atlantic Salmon	3.2kg 2018Q3's	Loch Arkaig (FS0649)
3	1	13	Atlantic Salmon	3.2kg 2018Q3's	Loch Arkaig (FS0649)
4 - 5	1	16	Atlantic Salmon	3.2kg 2018Q3's	Loch Arkaig (FS0649)

Results

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

The following bacteria were isolated from F1-5:

- Vibrio sp. (Isolate A) found in F1 (kidney, lesion, gill); F2(lesion, gill); F3 (kidney, gill); F4 (kidney, lesion, gill); F5 (kidney, lesion, gill)
- Vibrio sp. (Isolate B) found in F1 (kidney, lesion); F2 (lesion, gill); F3 (kidney, gill); F4 (kidney, lesion, gill); F5 (kidney, lesion, gill)

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

Salmon gill poxvirus (SGPV)

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F1	21.77	26.82	26.82	26.81	Positive
F2	22.02	27.04	27.08	27.02	Positive
F3	21.41	28.50	28.49	28.82	Positive
F4	22.65	31.97	31.88	32.08	Positive
F5	22.08	30.60	30.33	30.48	Positive

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

Parasitology:

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

Neoparamoeba perurans (AGD)

rveoparamic					
Fish Number	Endogenous control Cp value		Reported Result (PCR)		
F1	21.77	31.46	31.49	31.55	Positive
F2	22.02	27.68	27.58	27.57	Positive
F3	21.41	32.75	32.94	33.04	Positive
F4	22.65	32.10	31.97	32.00	Positive
F5	22.08	33.91	33.87	33.85	Positive

Paranucleospora theridion

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	21.77	30.37	30.29	30.38	Positive
F2	22.02	26.94	27.04	21.07	Positive
F3	21.41	31.13	30.86	31.12	Positive
F4	22.65	20.21	30.12	30.23	Positive
F5	22.08	33.71	34.16	34.78	Positive

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 multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris and lamellar fusion, mainly noted in the distal part of gill filament, multifocal adherence of secondary lamellae (synechiae), some apoptosis and moderate lamellar circulatory disturbance exhibiting several scattered aneurysmal dilation/telangiectasia and lamellar thrombosis noted in all fish. Occasional presence of basophilic epithelial inclusions (likely epitheliocystis) (F3 & F4) and high numbers of amoebic cells resembling *Neoparamoeba perurans* noted F2. F5 showed marked bluntness in one gill filament and marked epithelial stratification. All fish displayed cell debris and free blood among gill filament. Generalized epithelial lifting likely associated with post mortem artefact.

Skin & Muscle: Within normal range.

Heart: Several thrombi noted in atrium (F3).

R09

<u>Gut and pyloric caeca</u>: Moderate epithelial cell sloughing (likely associated with post mortem artefact).

Pancreas: Within normal range.

<u>Liver</u>: Mild multifocal hepatic necrosis (F1 & F5). F1 also displayed several clusters of hepactic cells with pyknotic nuclei .

Kidney: Within normal range.

<u>Spleen</u>: Mild multifocal splenic necrosis noted in F3, F4 & 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: 09/10/2019





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 NoFB0119Date of Visit19/09/2019Site NoFS0629Site NamePoll Na GilleInspectorCase No20190513

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

All epidemiological units were inspected. Samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

Records

The surveillance frequency category of the site was assessed as medium. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every second year. The category of the site will be reassessed on a routine basis and updated as required.

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

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

Mortality records were inspected and found to be adequately maintained.

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, 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

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: 09/10/2019



F1 + F2



F1 Gills



F1 F2 + F3



F2 Gills



F3 (far left)





Adult female lep on F3



F4





F5 far left



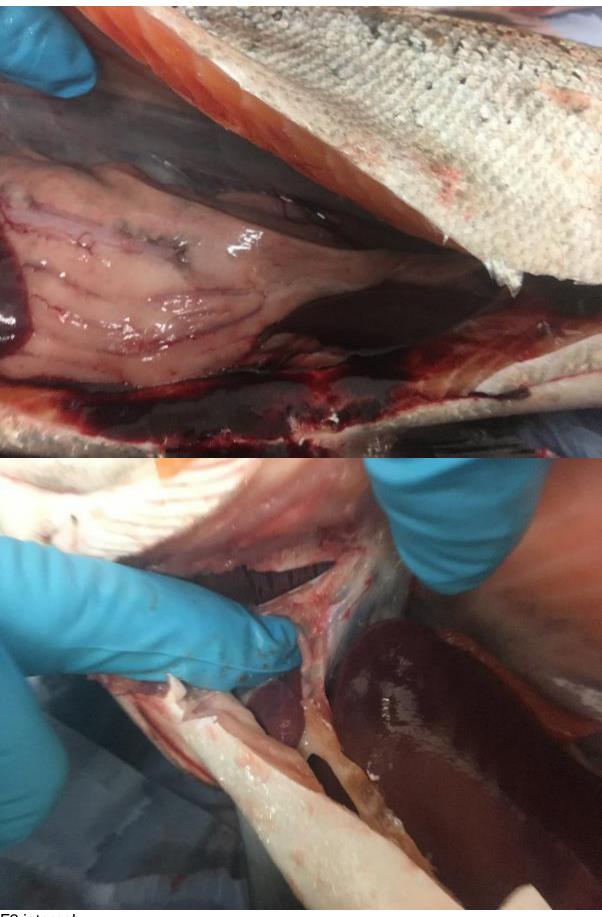
F5 gills



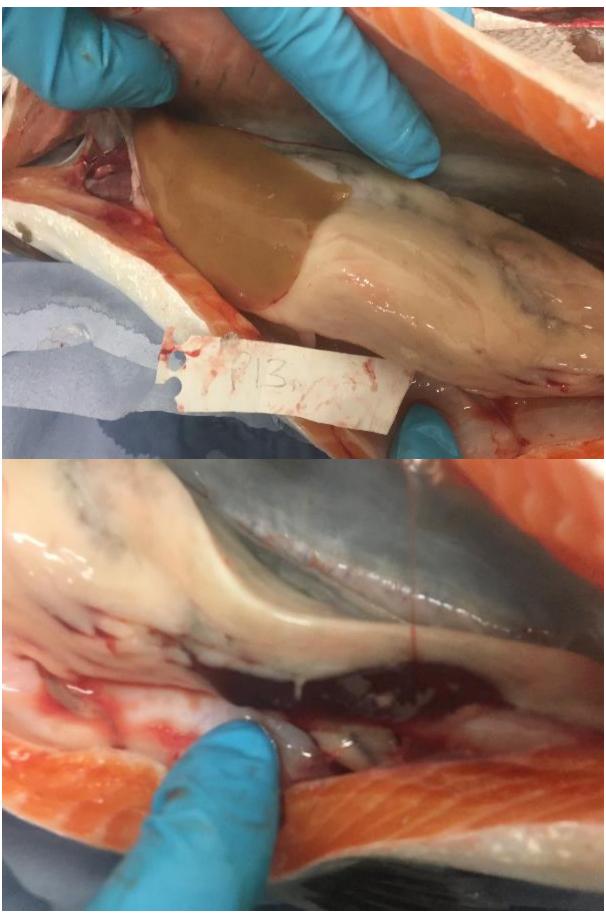
F1 internal



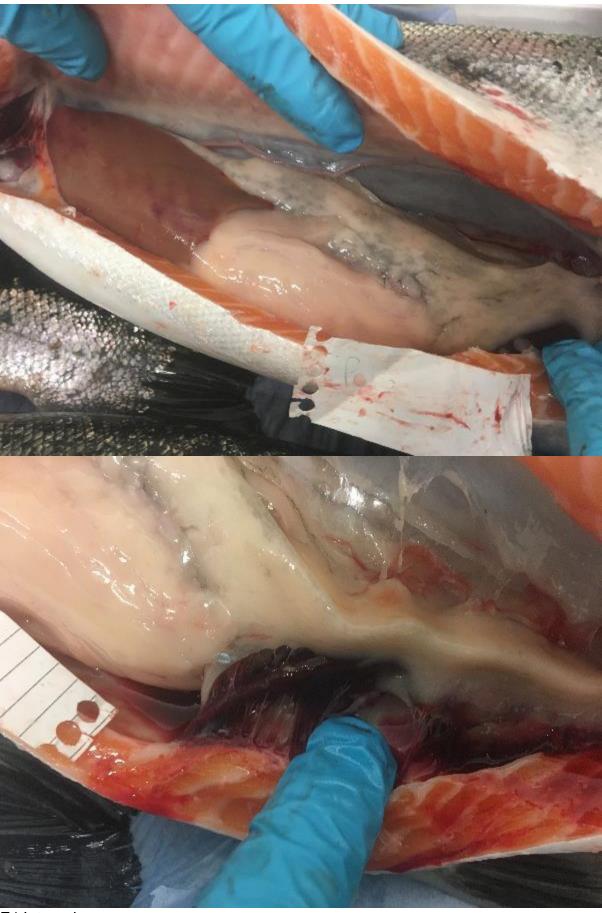
F2 Internal



F2 internal



F3 Internal



F4 Internal



F5 Internal

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018				
Case No: 2019-0516			Date of visit: 17/09/2019				
Time spent on site:	hours	Main Inspec	etor:				
Site No: SS0759 Business No: SB0530	Site Name: Business Name:	Fearna Loch Striven Mussel Farms L	_td				
Case Types: 1 MOV	2 3	4 5	6				
Water Temp (°C):	Thermometer No:		FHI 045 completed				
Observations:	Region: ST	Water type: S	CoGP MA				
Dead/weak/abnormally behaving 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:

Mov inspection - Certificate number INTRA GB 2019 0025378 MD19/110 issued. No issues found, no hitchhiker species observed.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018	
Case No:	2019-0516]	Site No:	SS0759					
Date of Visit:		17/09/201	9		Inspector(s):]	
Registration/Authornal 1. Business/site detaction 2. Changes made to	ails summary		site representa	ative?			Y N]	
Site Details									
Total No facilities		30	Facilities sto	cked	30	No facilitie	s inspected	0	
Species	MED	MED							
Age group	2018	2019							
No Fish	400 t	15t							
Mean Fish Wt	35 mm	2mm							
Next Fallow Date (S	ite)	No plans		Next Input Da	ite (Site)	Natural sp	at		
Recent (last 4 wks) If yes, detail:	disease prob	lems?		N	Any escapes	(since last	visit)?	N	
Movement Record	•								
1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?									
Transport Records 1. Are any movement of the second secon	nts carried ou		•	•	_				
Mortality Records									
1. Mortality records					1			Y	
2. How are mortalities disposed of? Other (detail) Dead shells fall to seabed									
If other detail: 3. Mortality records								V	
4. Recent mortality (•	Correctly err	No observed	l mortalities					
•	•	atypical morts		inortanties				N	
5. Evidence of recent increased/atypical mortalities? If yes, facility nos/no mortality per facility/no stock per facility/reason:									
ii yes, iacility 1103/110	mortality per	racility/110 30	ock per facility	ricason.					
6 Any other peaks i	in mortality du	ırina period c	hecked?					N	
6. Any other peaks in mortality during period checked? If yes, detail:									
7. Have increased (unexplained) mortalities been reported to vet or FHI?									
If yes, detail action:									
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.									

FHI 059, Version 12	Iss	ued by: FHI	Date of issue: 08/10/2018				
Recent treatments If yes, detail:	(last 4 wks)?						
If other, detail:							
-	available for inspection?						
3. Are records compl	ete and correctly entered?						
4. Are fish in a withdr	awal period?						
5. If yes, what treatm	ent(s)?						
If other, detail:							
6. Are medicines stor	ed appropriately?						
Biosecurity Record	5						
•	s available for inspection?						
2. Has the manner ar	nd frequency of mortality removal, reco	ording and safe disposal been considered	?				
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any							
increased (unexplained) mortality at the site been included?							
	•	sence or suspicion of the presence of a lis	ted disease				
	uded and <i>how</i> and <i>when</i> that will be n		u biubau				
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?							
meditir status, certific							
6 Have the husband	ry and biosecurity measures implemen	nted between each epidemiological unit to	minimise				
		visitors, equipment, live or dead fish etc.)?					
		ace to maintain the physical containment of					
aquaculture animals		. ,					
	ity procedures been adequately impler	mented on site?					
If no, detail:							
Results of Surveilla	nce						
1. Has any animal he	ealth surveillance been carried out by,	or on behalf of, the business?	N				

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?

31/01/2019 - 17/09/2019

Case No:	2019-0516			Date of visit:	17/09/2019			
Site No:	SS0759			Inspector:				
Results Summary	Freq.				te of Notificat			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Report Summary								
Case Type	Date	Insp	2 nd Insp					
MOV	26/09/2019							





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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0530
 Date of Visit
 17/09/2019

 Site No
 SS0759
 Site Name
 Fearna

 Inspector
 Case No
 20190516

Inspection for placing on the market in the EU

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

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

Date: 26/09/2019

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

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0517			Date of visit: 19/09/2019
Time spent on site:	hours	Main Inspecto	r:
Site No: SS0759 Business No: SB0530	Site Name: Business Name:	Fearna Loch Striven Mussel Farms Ltd	
Case Types: 1 MOV	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?		N If yes, see additional inform N If yes, see additional inform N If yes, see additional inform N	mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Mov inspection - Certificate number INTRA GB 2019 0025380 MD19/111 issued. No issues found, no hitchhiker species observed.

FHI 059, Version 12			Issu	ed by: FHI		Date of issu	e: 08/10/2018	
Case No:	2019-0517]	Site No:	SS0759				
Date of Visit:		19/09/2019	9		Inspector(s):]
Registration/Authornal 1. Business/site det 2. Changes made to	ails summary		site representa	ative?			Y N]
Site Details								
Total No facilities		30	Facilities sto	cked	30	No facilitie	s inspected	0
Species	MED	MED						
Age group	2018	2019						
No Fish	378 t	15 t						
Mean Fish Wt	35 mm	2 mm						
Next Fallow Date (S	ite)	No plans		Next Input Da	ite (Site)	Natural sp	at	
Recent (last 4 wks) If yes, detail:	disease prob	lems?		N	Any escapes	(since last	visit)?	N
Movement Record	<u> </u>							
Movement record Date of last inspe Are records comp	ls available fo ection: olete and corr	ectly entered	?				31/01/2019	Y
Are movement re				•				N/A
Are records comp		•						N/A
6. Are health certific	ates for intro	ductions (out	with GB) availa	able?				N/A
Transport Records 1. Are any moveme If yes, is there a sys	nts carried oເ				-			
Mortality Records								
Mortality records		•						Y
2. How are mortalition of their detail:	es disposed d	ot?			Other (detail)			
3. Mortality records	complete and	correctly ent	ered?					Y
4. Recent mortality	•	r correctly ern		fall to seabed				
5. Evidence of recei	•	atypical morta		ian to ocapea				N
If yes, facility nos/no		• •		/reason:				
,,	, , , , , , , , , , , , , , , , , , , ,	,						
6. Any other peaks i	in mortality du	ıring period c	hecked?					N
If yes, detail:								
7. Have increased (unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								NI/A
8. Have 'mortality ev	ents' been re	ported to FH	i? If no, add M	IKI 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:		
2. Medicines records available for inspe	ection?	
3. Are records complete and correctly e	entered?	
4. 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 insp	ection?	
	ortality removal, recording and safe disposal bee	en considered?
• •	the APB will notify Scottish Ministers or veterina	
increased (unexplained) mortality at the	•	, i
	e event that the presence or suspicion of the pre	
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
health status, certification if required)?		
	measures implemented between each epidemio	
	(movement of staff, visitors, equipment, live or d	
	the measures in place to maintain the physical	containment of
aquaculture animals held on site? 8. Have the biosecurity procedures bee	in adaguately implemented on site?	
If no, detail:	If adequately implemented on site:	
Results of Surveillance		
1. Has any animal health surveillance b	een carried out by, or on behalf of, the business	s? N

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?

31/01/2019 - 17/09/2019

Case No:	2019-0517			Date of visit:	19/09/2019			
Site No:	SS0759			Inspector:				
				'				
Results Summary	Freq.	Databasa	II		te of Notifica		la a a	- nd -
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	1							
	 							
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19/09/2019

Fearna 20190517

Date: 26/09/2019

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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0530
 DATE OF VISIT

 SITE NO
 SS0759
 SITE NAME

 INSPECTOR
 CASE NO

Inspection for placing on the market in the EU

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

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

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/FHl/charter

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0518			Date of visit: 17/09/2019
Time spent on site:	hours	Main Ins	spector:
Site No: SS0547 Business No: SB0358	Site Name: Business Name:	South Ardnaclach Farm Creran Oysters	
Case Types: 1 DIA 2	2 REP 3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T275	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see additiona	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:	

Site manager noticed high mortalities while grading stocks and estimated the number to be between 50% and 70%

Most mortalities are being found in the central part of the site in stock from Guernsey Sea Farms. All stocks checked, some mortality in 2018 stock, but vast majority observed in 2017 stock - Seed stock showed no atypical mortality. Bags checked from Guernsey sea farms had mortality at around 50%-70%.

Hasn't noticed any other signs except for the mortalities. There were no gaping shells seen during the inspection, shells were either dead and empty, or were closed.

FHI 059, Version 12			Iss	sued by: FHI			Date of issu	e: 08/10/2018	
Case No:	2019-0518		Site No:	SS0547	7				
Date of Visit:		17/09/201	9		Inspector(s):]	
Registration/Authornament 1. Business/site details 2. Changes made to	ails summary		site represen	tative?			Y N	}	
Site Details			_			_			
Total No facilities		550	Facilities s		500		s inspected	550	
Species	CGI	CGI	CGI	CGI	CGI	OED			
Age group	2019	2018	2017	2016	2015	2017			
No Fish	172,000	440,000	335,000	32,000	5,000	1,500			
Mean Fish Wt	3.5g	32.5g	47.5g	70g	75g	25g			
Next Fallow Date (S	ite)	No plans		Next Input D	ate (Site)	2020			
Recent (last 4 wks)	disease prob	lome?			Y Any escapes	(since last	vicit\2	N	
If yes, detail:		nal comment	2		Ally escapes	(SITICE IASI	visit):	IN	
ii yes, detaii.	oce addition	iai comment	•						
Movement Record	s								
1. Movement record	ls available fo	or inspection?	?					Y	
Date of last inspe							03/09/2019		
Are records comp		•						Y	
4. Are movement re				?				N/A	
5. Are records comp		•						N/A	
6. Are health certific	ates for intro	ductions (out	with GB) ava	ilable?				Y	
Transport Records	;								
1. Are any movemen	nts carried oເ	ut by (or on b	ehalf) of the b	ousiness (not us	sing a STB)?				
If yes, is there a sys	tem in place	for maintena	nce of transp	ortation records	?				
Mortality Records									
Mortality records	available for	inspection?						Y	
2. How are mortalitie		•			Other (detail))			
If other detail:	<u> </u>	s used for pa	ving		,				
3. Mortality records								Y	
4. Recent mortality ((last 4 wks):		50-70%						
5. Evidence of recer	nt increased/a	atypical morta	alities?					N	
If yes, facility nos/no	mortality pe	r facility/no st	ock per facili	ty/reason:					
See additional comr	ments								
6. Any other peaks i	n mortality du	uring period o	hecked?					Y	
If yes, detail:		nal comment							
7. Have increased (unexplained)							Y	
If yes, detail action:			ed, DIA sam						
8. Have 'mortality ev	. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.								

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)? If yes, detail:		
If other, detail:		
Medicines records available for inspect	tion?	
Are records complete and correctly ent		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records 1. Biosecurity records available for inspec	etion?	
	tality removal, recording and safe disposal bee	n considered?
	e APB will notify Scottish Ministers or veterinal	
increased (unexplained) mortality at the	•	y processional or any
, , ,		
	event that the presence or suspicion of the prevhen that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture ar	nimals being stocked on the farm site been cov	vered (equal or higher
health status, certification if required)?		
•	easures implemented between each epidemio	
•	ovement of staff, visitors, equipment, live or de	
7. Is documentation available regarding that aquaculture animals held on site?	he measures in place to maintain the physical	containment of
8. Have the biosecurity procedures been	adequately implemented on site?	
If no, detail:		
Results of Surveillance		

03/09/2019 - 17/09/2019

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?

Г	HI 059, Version 12							155	sued by:	ГПІ			
	Case no:	2019-0	518	Site No:		SS0547			Date of Samplin		17/	09/2019	18/0
	Priority samples:	VI		ВА		PA		MG	-	y. HI		1	
	Time sampling starts/ends:		30:00		0:00] 	Inspecto	or:			VMD No	o.	0
	Environmental conditions:	'	Indoors	2		3		4		5		ı	
	Summary samples	HIST	Υ	BA	Υ	MG	Υ	VI		PA		Total Sa	amples
Δ	dd Fish/Pools - click												
r	Pool/Fish No	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
Н	Fish nos	1	2	3	4	5	6	7		9		11	12
Н	Pool Group	1	1	1	1	1	1	1	1	1	1	1	1
Н	Species	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI
	Average weight	75g	75g	75g	75g	75g	75g	75g		75g	75g	75g	75g
	Sex	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
		ဋ	ပ္သ	SI	S	Si	SI	SI	S	Si	ပ္ဆ	S	တ္ဆ
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Stock	Facility No			J	J			J					

09/2019 Additional Sample Information:

Oysters brought back to the Lab and sampled there. No gaping shells observed. Shells were either empty or tightly closed.

3

Total Tests assigned 1

d 1

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
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CGI		CGI	CGI	CGI	CGI											
75g		75g	75g	75g	75g											
N/A		N/A	N/A	N/A	N/A											
SW		SW	SW	SW	SW											
	arms	arms	arms	arms	arms	arms	arms	arms	arms	arms	rms	arms	arms	arms	arms	Farms
	Guernsy Sea F	Guernsy Sea Fa	Guernsy Sea Far	Guernsy Sea Far	Guernsy Sea Faı	Guernsy Sea Fa										

Case No:	2019-0518			Date of visit:	17/09/2019			
Site No:	SS0547	l		Inspector:		l		
Results Summary	Freq.			Da	te of Notificat	tion		
	1	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
OHV	0/30	01/10/2019		28/09/2019		28/11/2019		
VSPE	6/6	08/10/2019		08/10/2019		28/11/2019		
SHEW	3/6	08/10/2019		08/10/2019		28/11/2019		
BACT	1/30	08/10/2019		08/102019		28/11/2019		
	1							
Report Summary								
Case Type	Date	Insp	2 nd Insp					
DIA, REP	28/11/2019							
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Creran Oysters Failte Benderloch, by Connel Aravll **PA37 1QU**

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0358 DATE OF VISIT 17/09/2019 SITE NO SS0547 South Ardnaclach Farm

SITE NAME INSPECTOR CASE NO 20190518

Section 1: Summary

Following a report of increased mortalities onsite, an inspection was conducted on the 17th of September 2019 and 30 Pacific oysters (Crassostrea gigas) were taken for diagnostic sampling.

Histopathology examination revealed one Pacific oyster displaying severe purulent-like bacterial inflammation and cell necrosis associated with high numbers of aggregates of bacteria.

Vibrio spp were identified however they were not of a known pathogenic species. Shewanella spp. were identified and the level and purity of growth would not suggest these bacteria are the primary source of morbidity and are most likely to be of environmental origin.

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 of increased mortalities the site was visited by the Fish Health Inspectorate, on 17th of September 2019. Mortalities on site had generally been concentrated in stock received from Guernsey Sea Farms in 2017 and had been reported to be between 50% and 70%. While on site, it was observed that the majority of bags inspected had some mortality, ranging between 50% and 70%. Thirty shells from several bags were collected and brought back to the Marine Laboratory for sampling.

Samples

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

R09

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

Shellfish number	Species	Stage	Origin
F1 - 30	Crassostrea gigas	70 – 75g	Guernsey Sea Farms

Results

Bacteriology: Haemolymph material from F1–6 was inoculated onto appropriate media for the isolation of bacteria.

The following bacteria were isolated.

• Vibrio sp (Isolate A): F1-6

• Vibrio sp (Isolate B): F1-6

• Shewanella sp (Isolate C): 3/6 oysters

• Shewanella sp (Isolate D): 1/6 oysters

Vibrio spp were identified however they were not of a known pathogenic species.

The level and purity of *Shewanella* sp growth would not suggest these bacteria are the primary source of morbidity and are most likely to be of environmental origin.

DNA sequence analysis was performed on *Vibrio* sp (Isolate A) to identify the species, however the results of this test were inconclusive.

Virology: Tissue samples from all 30 shellfish 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 oyster herpes virus (OsHV-1).

Histology: Tissue samples of gill, mantle and digestive gland were taken from F1 -30. The tissue samples were fixed in Davidson's fixative.

Histopathological examination revealed the following:

F12 displayed sever purulent-like bacterial inflammation and cell necrosis. Five pacific oyster displayed mild focal haemocytic infiltration in the vesicular connective tissue surrounding the stomach.



Fish Health Inspector

Date: 28/11/2019

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



Blister F19



Blister F19

FHI 059, Version 12	Issu	ed by: FHI	Date of issue: 08/10/2018
Case No: 2019-0519			Date of visit: 17/09/2019
Time spent on site:	1hr	Main Inspecto	or:
Site No: SS0870 Business No: SB0372	Site Name: Business Name:	Northra Voe Shetland Mussels Ltd	
Case Types: 1 PSI	2 3	45	6
Water Temp (°C):	Thermometer No:		FHI 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?	-	If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit detail rea	son below:	

New site, no harvests yet. Manager is unsure of what stock is on site currently, but expects poor spatfall at this site and so plans to use it for ongrowing.

No movements onto or off of site. Unsure of stock origin for next cycle, could either be from local sites, Western Isles or Ireland.

Surveillance category: Medium

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0519 Site No: SS0870 Date of Visit 17/09/2019 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 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 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 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 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 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 MSS management area 0 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

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0519	Site No: SS0870	
Date of case: 43725	Inspector(s):	
Business/site contacts correct? (if no, upda	te site summary sheet)	Y
Site Details		
Total No facilities: 1 Longline	No facilit	ies stocked: 0
Species MED		
Age group 2019		
No shellfish Unsure		
Mean fish Wt Unsure		
Next fallow date (site) No plan.	Next input date (site)	Spring 2020
Date of last inspection: (ECI or PSI):	28/08/2017	
Any recent increased or atypical mortalities	? (last 4 weeks):	N/A
If yes, detail:		
e.g. site		
average, max per facility		
per racinty		
Any increased mortalities? (since last inspe	ction)	N/A
If yes, detail:	,	
How are mortalities disposed of?		Other (detail)
If other detail: Empty shells drop to the sea	abed.	
Are there any diseases on your site?		N
If yes, detail:		IV.
n yes, detail.		
Have you experienced predation on site?		N
If yes, detail:		
Has the site experienced increased or abno	rmal fouling?	N
If yes, detail:		
Have you observed any invasive species or	your site?	N
If yes, detail:		
Do you have an up to date BMP, and are th	ere any issues?	N
If yes, detail:		P
What quantity of spat fall have you had in th		
New site, but spatfall is expected to be very	poor here.	

Results Summary Freq. Data of Notification Database Insp Phone Insp Writing Insp 2nd Insp Inspector: Database Insp Phone Insp Writing Insp 2nd Insp Inspector: Database Insp Phone Insp Writing Insp 2nd Insp Inspector: Database Insp Phone Insp Writing Insp 2nd Insp Inspector: Database Insp Phone Insp Writing Insp Phone Insp Inspector: Database Insp Phone Insp Writing Insp Inspector: Database Insp Phone Insp Writing Insp Inspector: Database Insp Phone Insp Phone Insp Inspector: Data of Notification Inspector: Database Insp Phone Insp Phone Insp Inspector: Database Insp Phone Insp Phone Insp Inspector: Database Insp Phone Insp Phone Insp Inspector: Database Insp Phone Insp Phone Inspector: Database Inspector: D	Case No:	2019-0519			Date of visit:	17/09/2019			
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Shetland Mussels Ltd Vadlure Walls Shetland ZE2 9PF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0372 Site No SS0870 Inspector DATE OF CASE 24/09/2019
SITE NAME Northra Voe
CASE NO 20190519

Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

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.

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

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

Signed: Date: 24/09/2019

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/FHl/charter

FHI 059, Version 12	Issu	ed by: FHI	Date of issue: 08/10/2018
Case No: 2019-0520			Date of visit: 17/09/2019
Time spent on site:	lhr	Main Inspecto	or:
Site No: SS0867 Business No: SB0372	Site Name: Business Name:	Kirkaward Shetland Mussels Ltd	
Case Types: 1 PSI	2 3	45	6
Water Temp (°C):	Thermometer No:		FHI 045 completed N
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	-	If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit detail rea	son below:	

Natural spatfall so no movements onto site.

< 5 tonnes across both age groups.

Surveillance category: Medium

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0520 Site No: SS0867 Date of Visit 17/09/2019 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 Susceptible to Marteilia refringens (OED, MED) 0 3 3 Susceptible to OsHV (CGI) 0 3 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 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 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 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent practices None treatment) 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 MSS management area 0 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

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0520	Site No: SS0867	
Date of case: 43725	Inspector(s):	
Business/site contacts correct? (if no, upda	ate site summary sheet)	N
Site Details		
Total No facilities: 5 Longlines	No facilit	ties stocked: 5
Species MED MED		
Age group 2017 2018		
No shellfish		
Mean fish Wt <5 tonnes < 5 tonnes		
Next fallow date (site) No plan.	Next input date (site)	Natural settlement.
Date of last inspection: (ECI or PSI):	28/08/2017	
Any recent increased or atypical mortalities	s? (last 4 weeks):	N
If yes, detail:	· (last i weste).	
e.g. site		
average, max		
per facility		
Any increased mortalities? (since last inspect	ection)	N
If yes, detail:		
How are mortalities disposed of?		Other (detail)
If other detail: Empty shells drop to the se	abed.	
A 4h		
Are there any diseases on your site?		N
If yes, detail:		
Have you experienced predation on site?		Y
· · · · · · · · · · · · · · · · · · ·	Eider ducks. 20-40 ducks observed on site	e seasonally.
Has the site experienced increased or abn	ormal fouling?	Y
If yes, detail: Up to 1/3 of total harvest.		
Have you observed any invasive species of	n your site?	N
If yes, detail:		
De very house on an Az deta DMD and		
Do you have an up to date BMP, and are the	nere any issues?	N
If yes, detail:		
What quantity of spat fall have you had in t	he last 12 months? (mussel sites only)	
Poor in 2017, but good in 2018.	(maccor ones orny).	
, g		

Case No:	2019-0520			Date of visit:	17/09/2019				
Site No:	SS0867	l		Inspector:		l			
Results Summary	Freq.			Date of Notification					
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Report Summary Case Type	D-4-	I	and .						
Case Type	Date	Insp	2 nd Insp						
PSI	24/09/2019								





Shetland Mussels Ltd Vadlure Walls Shetland ZE2 9PF

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0372 SITE No SS0867 INSPECTOR DATE OF CASE 24/09/2019 SITE NAME Kirkaward CASE NO 20190520

Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

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.

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

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

Signed: Date: 24/09/2019

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/FHl/charter

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0529			Date of visit: 24/09/2019
Time spent on site:	5 hours	Main Inspe	ector:
Site No: FS0252 Business No: FB0119	Site Name: Business Name:	Cairidh Mowi Scotland Ltd	
Case Types: 1 ECI	2 CNI 3 SLI	4 VMD 5	6
Water Temp (°C):	Thermometer No:	T147	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA M-28
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional in	nformation/clinical score sheet. nformation/clinical score sheet. nformation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

Previous cycle fallow date - 18/08/19, site was then stocked with fish from Rum 21/08/19 - 31/08/19. As the site was not fallow for a minimum period of 4 weeks as recommended in the Scottish finfish Aquaculture Code of Good Practice (CoGP), the site has been listed as practices not in accordance with the CoGP in the surveillance frequency section of this case sheet.

Risk assessment (RA) in place for the movement of 206,000 salmon from Rum to Cairidh (between management areas, RA stated that lice levels were low and no signs of AGD. Confirmed presence of PRV (HSMI), PCMV (CMS), Paranucleospora and Yersinia, however these were not leading in clinical signs in fish prior to transfer. RA states previous stock at Cairidh was of a similar or lesser disease status. RA notes Cairidh is in a farm management area with 4 sites, two of which are stocked, no reference given to the health status of the fish stocked on those sites.

Vets attended site on 28/08/19 after site was restocked, pcr samples for PD carried out, returned negative.

Prior to inspection of the site, FHI were made aware that mortality waste from Cairidh, had been spilled on the A86 (near Wolftrax) during transport of waste to Dundas Chemicals in a Gogar services vehicle. Mowi had requested a documented incident investigation to be carried out by Gogar Services, a documented report was sent to Mowi on 24/09/19 and was made available for inspection. Document stated the spill of fish was caused by the driver braking hard having attempted to overtake cyclists when oncoming traffic required the driver to brake sharply. Fish spilled from the trailer over the front of the vehicle. Gogar Services sent a clean-up team to the incident location. Spilled fish were cleared from the road and then loaded into a sealed skip. Road surface was cleaned with degreaser agent and water. BEAR Scotland then laid down approx 7 tonnes of salt over the spill area of the road. Some fish remained at the side of the road, due to poor light the clean-up resumed the following day using a liquid ring tanker to suck up the fish from the side of the road. All fish waste material was then taken to Dundas Chemicals for disposal. SEPA attended incident site and were satisfied no waste would have entered any watercourse. Following the incident Gogar has stated that all trailers used for transporting mortality waste will be fitted with splash plates at the front and back of trailers. Plates will be made from aluminium sheets which will extend four feet back over the top of the load area, the intention is that any wash from heavy braking will be directed back into the load area. APHA and Mowi have reviewed the actions as satisfactory.

No clinical signs of disease observed during inspection of site, fish showed good feed response.

Fish sampled for VMD appeared healthy.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0529		Site No:	FS0252				
Date of Visit:		24/09/2019			Inspector(s):]
1. Business/site deta	ails summary		ite representa	itive?			Y N	}
Site Details								_
Total No facilities	e No: 2019-0529 Site No: FS0252 e of Visit: 24/09/2019 Inspector(s): pistration/Authorisation Details usiness/site details summary checked by site representative? hanges made to details? Details al No facilities cies SAL JOHAN SAL JOH		12					
Species								
Age group	2018 Q3							
No Fish	18,155							
Mean Fish Wt	4.8 kg							
Next Fallow Date (S	ite)	Oct - Nov 20	19	Next Input Da	ite (Site)	Jan 2020		
Recent (last 4 wks)	disease nrohl	ems?		Y	Δny escanes	(since last)	vieit\2	N
If yes, detail:				·	Ally escapes	(Sirice last	visity:	IN
Movement Records								
		r inspection?						Y
		пореспол.					17/05/2017	
•		ectly entered?					1770072017	Y
•		•						Y
5. Are records comp	lete and corre	ectly entered?						Y
· ·		•		ıble?				N/A
Transport Records								
-		t by (or on bel	nalf) of the bu	siness (not usi	ing a STB)?			Y
_			•	•	_			Y
Mortality Records								
-	available for ir	nspection?						Y
•		•			Whole fish -	Dundas Che	emicals	
If other detail:								
3. Mortality records of	complete and	correctly ente	ered?					Y
			11433 acros	s site, 7818 att	ributed to ana	emia, the re	emainder attri	buted to
Recent mortality (last 4 wks):		physical dam	nage or unknov	vn cause.			
5. Evidence of recen	nt increased/a	typical mortali	ities?					Y
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	reason:				
			, , ,	w/b 16/09/19 -	217 (1.18%)			
								Y
If yes, detail:					CMS.			
				vet or FHI?				Y
If yes, detail action:		Reported to I		DT '		lite : =	boot	
8. Have 'mortality ev	ents been re	ported to FHI	r if no, add M	KI case and e	enter on morta	ility events s	sneet.	Y

FHI 059, Version 12 Issued by: FHI Date of issue:	08/10/2018
1. Recent treatments (last 4 wks)?	Y
If yes, detail: T.M.S., Salmosan	
If other, detail:	
2. Medicines records available for inspection?	Y
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?	Y
Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y
is detected been included and <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

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?	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).	

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

take place in period between previous and current cycles.

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

Records checked between: 17/05/2017 - 24/09/2019

BMP states pens and equipment to be disinfected during fallow period prior to restocking, this did not

FHI 059, Version 12							ISS	suea by: i	-11			
Case no:	2019-05	529	Site No:		FS0252			Date of Samplin		24/0	09/2019	24/0
Priority samples:	VI		ВА		PA		MG		g. HI			
Time sampling starts/ends:	16:0	0:00	16:2	0:00		Inspecto	or:			VMD No	o. 	13
Environmental conditions	: 1	Dry	2	Sunny	3		4		5			
Summary samples	HIST	E	ВА		MG		VI		PA		Total Sa	imples
Add Fish/Pools - click												
Pool/Fish No												
Fish nos	1											
Pool Group												
Species	SAL	\neg										
Average weight	4.5000											
Sex	N/A											
Water Type	SW											
		- 1				- 1						
		- 1				- 1						
		- 1				- 1						
Sign		- 1				- 1						
Details		- 1				- 1		 				
	Rum	- 1				- 1		 				
Stock Origin Facility No												
ਲੋਂ Facility No	11											

09/2019	Addition	nal Sam	ple Infor	mation:						
0	1	Total Te	ests ass	igned	0					

FHI 059, Version 12		Issued by: FHI				Date o	of issue	: 08/10/2018
Case Number:	2019-0529		Site N	No:	FS0252		Insp:	
Date of Visit	24/09/2019		No o	f m	ovements/s	upp./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	П
·	Number of sup	ncluding third country pliers	+	0	5	10	14	-
Movements off	Frequency of n	novements off	+	0	3	6	10	10
Wovernerits on	Number of des			0	3	6	10	3
Exposure via water		Site conta	cts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	,		0				
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion		1	2	4		2
	farms upstrean	or in a coastal zone with category II 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		ш
Management practices			None	•	Secure	Unsecure		
Water contacts with processors	Any processing	g plant discharging into adjacent wat	ers	0	1	2		0
On farm processing within the rules of the directive	No on farm pro			0				
	Processing own	n fish (re-cycling risk)		1				1
	Processing fish	from MS of equivalent status		2				
	equivalent stat			4				
	_	n from Category III farm		8				
	Processing fish	n from Category ∨ farm		10				\Box
Disposal of fish and fish by-	Site's own was	te only processed.		0				
products	Common proce	esses with other farms		3				3
	Collection poin	t for waste from other farms		5				
Use of unpasteurised feeds	No feeding of u	inpasteurised feed	T	0				0
	Feeding unpas	teurised feed		5				
Biosecurity		Number of si	tes	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		0
Disinfection of equipment	Yes		Т	0				0
between sites, use of footbaths etc	No			1				\vdash
CoGP/Regulator								
Practices in accordance	Yes			0				
with regulator or industry code of practice	No			3				3
Platform access to cages	Yes		T	0				0
	No			2				
						Total Rank		23 MEDIUM

Case No:	2019-0529	Site No: FS0252	
Sea Lice Inspection (S	Seawater Sites Only)		
 Has the site experier 	iced sea lice problems	s in the previous 4 years?	N
2. Is the CoGP Farm M	anagement Area (or e	quivalent) fallowed synchronously on a single year class basis?	Υ
	mectin benzoate) as	enced in-feed and bath sea lice medications (including deltamethrin, well as access to suitable biological and/or mechanical control measures d of time?	y , and
4. Is there a signed doo Management Area (or e		ement agreement or statement relevant to the site and CoGP Farm	Υ
5. Are sea lice count re	cords available for ins	pection? (Legal SSI, CoGP Annex 6)	Υ
6. Do records adequate	ly reflect the required	standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6	Υ Υ
7. Are sea lice (<i>L. salme</i> records are inspected?		low the suggested criteria for treatment in the CoGP during the period that	at Y
	•	<i>monis</i>) numbers per fish been at a level of 3 or above (prior to w/b 10/6/1 od that records are inspected?	9) or 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, 5.3.8)	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.	
11. Has any other actio	n been taken (where a	applicable)?	N/A
•	•	is taken had a significant impact upon the lice levels recorded?	Y
		out in cooperation between participating farms?	Y
		where fewer populations or part populations are held without treatment for	or Y
15. Is there a site speci scenarios during the es		ement procedure with waypoints describing set actions to deal with recognifestation?	nised Y
16. Do the sea lice leve	ls observed on stocks	reflect sea lice count data? If no please detail reasons.	Υ
Containment Inspecti	on		
 Has the site experient 	iced equipment dama	ge due to predators in the current or previous production cycles?	N
2. Are measures in place	ce to mitigate against t	the predation experienced on site? (Detail below)	Υ
A.D.D., tensioned net	ts, top nets		
If other, detail below:			
3. Have escape incider	nts or events been exp	perienced on or in the vicinity of the site since the last FHI inspection?	N
If Yes proceed with que	stions 4 – 9. If No skip	p to question 10	
4. Have these been rep	orted to Scottish Minis	sters?	
		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, 5.4.1	7)
7. Were methods (if any	y) used to recover esc	apees? If yes give detail	
8 If all nots were deplo	wed was this action a	greed with local wild fish interests and was permission given by Scottish	
Ministers? (Legal, CoG	P – 4.4.38, 5.4.18)		
		imise the risk of further escapes? (Not covered in code but could	
be considered under	•	·	
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: 2019-0529	Site No: FS0252	
Date of Visit: 24/09/2019	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 Y
10. Does the FMAg/S identify the speci	ation 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	or 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 numbe	rs and treatments?
14. Does the FMAg/S identify the available of statement?	ability and the use of medicines on farms covere	ed by the agreement Y
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 r	

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 fallecked?	ow and the earliest
22. Does the FMAg/S identify whether of agreement or statement?	one or more year classes may be stocked onto	sites covered by the Y
23. Does the FMAg/S identify whether be covered by the agreement or statement	proodstock or potential broodstock are to be ke ??	pt on any site
Point of Compliance for Farm Manag	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	e of the FMAg/S? Jan-18	

Site No: FS0252

Case No: 2019-0529

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2019-0529	Date of visit: 24/09/2019								
Site No:	FS0252	l		Inspector:		l				
Results Summary	Freq.			Da	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,CNI,SLI,VMD	18/10/2019	шэр	2 insp							
LOI,OIVI,OLI,VIVID	10/10/2010									





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 FS0252 INSPECTOR DATE OF VISIT 24/09/2019
SITE NAME Cairidh
CASE NO 20190529

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 inadequately implemented.

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

The biosecurity measures plan stated that pens and equipment are to be disinfected during fallow period prior to restocking, this did not take place in period between previous and current cycles. Site manager advised that biosecurity protocols should be followed as described in BMP. No further action required.

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

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:

Fish Health Inspector

Date: 18/10/2019

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		Issued by: FHI	Date of issue: 08/10/2018							
Case No: 2019-0530			Date of visit: 25/09/2019							
Time spent on site:	hours	Main Inspect	or:							
Site No: FS1330 Business No: FB0119	Site Name: Business Name:	Sconser Quarry Mowi Scotland Ltd								
Case Types: 1 ECI 2	2 CNI 3 SLI	4 VMD 5	6							
Water Temp (°C):	Thermometer No:	T147	FHI 045 completed							
Observations:	Region: HI	Water type: S	CoGP MA M-28							
Dead/weak/abnormally behaving fish present? 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. N N										
UNI/REG only - if unable to carry	UNI/REG only - if unable to carry out intended visit detail reason below:									

Additional Case Information:

10 cages on site, additional 2 cages to be put in place for next production cycle

Salmon brought on site from Sconser, Maol Ban and Cairidh (all sites share same farm management area with Sconser Quarry).

Lumpfish brought on site from Ocean Matters and CEFAS, site manager unsure of exact number of lumpfish that remain on site.

Possible bacterial infection observed in fish sampled during company biologist visit to site on 14/08/19, however results of blood serum samples taken were negative.

w/b 09/09/2019 adult female lice average of 3.01, optilicer treatment took place during same week, w/b 16/09/2019 adult female lice average dropped to 0.57.

2 morts removed from site during inspection, no moribund or lethargic fish observed.

Fish sampled for VMD appeared healthy

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0530		Site No:	FS1330)			
Date of Visit:		25/09/201	9		Inspector(s):]
Registration/Autho	risation Det	ails						
1. Business/site deta	ails summary	checked by	site representa	ative?			Υ	1
2. Changes made to	details?						Υ]
Site Details								
Total No facilities		10	Facilities sto	ocked	5	No facilitie	s inspected	10
Species	SAL	SAL	LUM					
Age group	2018 Q1	2018 Q2	2019					
No Fish	76,306	22,278	~1000					
Mean Fish Wt	6.4 kg	6.8 kg	Mixed					
Next Fallow Date (S	ite)	October 20	19	Next Input Da	ate (Site)	January 20)20	
Decemb (least 4 vides)	-li	I0			7,	- /-: !4 .	.:-:4\2	N
Recent (last 4 wks) of the second (last 4 wks) o	AGD, PGD	iems?		<u>'</u>	Any escape	es (since last	VISIL)?	N
•								
Movement Records								
Movement record		r inspection	?					Y
2. Date of last inspe							First inspect	tion
3. Are records comp				_				Y
4. Are movement re								Y
5. Are records comp		•						Y
6. Are health certific		ductions (out	with GB) avail	able?				N/A
Transport Records								
1. Are any movemen					_			Y
If yes, is there a syst	tem in place t	for maintena	nce of transpo	rtation records	?			Y
Mortality Records								
Mortality records a		•						Y
2. How are mortalities If other detail:	es disposed d	ot?			Whole fish	- Dundas Che	emicals	
3. Mortality records	complete and	correctly er	itered?					Y
				- 1240 (0.82%)	•	•	1.51%), w/b 0	9/09/2019 -
4. Recent mortality (•), w/b 16/09/20	19 - 650 (0.6	5%)		
Evidence of recer		• •						Y
If yes, facility nos/no		•						
w/b 02/09/2019 -214				ment losses fro	om optilicer tr	eatment.		
6. Any other peaks in	n mortality du	iring period o	checked?					N
If yes, detail:				t FLUC				
7. Have increased (u	unexplained)		•	o vet or FHI?				Y
If yes, detail action: 8 Have 'mortality ev	ents' heen re	Reported to FF		IRT case and	enter on mor	tality events s	heet	Y

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

3. Any significant results?

AGD.

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

Records checked between: 01/04/2019 - 25/09/2019

						155	ueu by. r	ш			
2019-05	530	Site No:		FS1330					25/0	09/2019	25/0
VI		ВА		PA		MG		ı. HI			
		11:5	5:00		Inspecto	or:			VMD No	o. 	7
: 1	Dry	2	Sunny	3		4		5			
HIST		ВА		MG		VI	F	PA		Total Sa	mples
1											
SAL											
6 kg											
N/A											
SW											
두											
iri											
63											
	VI 11:4 HIST SAL 6 kg N/A SW	11:45:00 1 Dry HIST 1 SAL 6 kg N/A SW	VI BA 11:45:00	VI BA 11:45:00 11:55:00 11:55:00 1	VI BA PA 11:45:00 11:55:00 1 Dry 2 Sunny 3 HIST BA MG SAL 6 kg N/A SW	VI BA PA Inspector 11:45:00 11:55:00 Inspector 1 Dry 2 Sunny 3 Inspector HIST BA MG SAL	VI BA PA MG 11:45:00 11:55:00 Inspector: Image: Control of the con	2019-0530 Site No: FS1330 Date of v Sampling	Sampling: HI	2019-0530 Site No: FS1330 Date of visit/ 25/0 Sampling: VI	2019-0530 Site No: FS1330 Date of visit/ 25/09/2019 Sampling: VI

09/2019 Additional Sample Information:													
0 Total Tests assigned 0													

FHI 059, Version 12		Issued by: FHI			Date o	of issue	: 08/10/2018
Case Number:	2019-0530		Site No:	FS1330		Insp:	
Date of Visit	25/09/2019		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of n	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	
·	Number of sup	ncluding third country pliers	0		10	14	0
Movements off	Frequency of n	•	I 0	3	6	10	10
Movements on	Number of des		0		6	10	3
Exposure via water		Site contacts	s 0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or l	,	0				
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		2
	farms upstrean	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		
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		0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	n from MS of equivalent status	2				
	equivalent stat		4				
	_	n from Category III farm	8				
	Processing fish	n from Category ∀ farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0]			
products	Common proce	esses with other farms	3				3
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	unpasteurised feed	0	Ī			0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	s 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		0
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1	1			
CoGP/Regulator				J			
Practices in accordance	Yes		1 0]			0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0	1			0
	No		2				ш
					Total Rank		19 MEDIUM

Case No:	2019-0530		Si	ite No:	FS1330				
Sea Lice Inspection (s in the previous 4 years	s?				N		
•	•	equivalent) fallowed syn		single ye	ear class basis?		Υ		
3. Does the site have a	access to a range of lica	cenced in-feed and bath well as access to suitab	sea lice medica	itions (inc	cluding deltamethrin,	ures, and	Υ		
4. Is there a signed doo Management Area (or o		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	ne SSI and the C	coGP? (Le	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 fish od that records are insp		l of 3 or a	above (prior to w/b 10	/6/19) or	Y		
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, §	5.3.50)	N		
		istered or other actions elongatus is considered					Υ		
11. Has any other actio	on been taken (where	applicable)?					Υ		
12. Have therapeutic tr	eatments or the action	ns taken had a significar	nt impact upon ti	he lice le	vels recorded?		Υ		
13. Are treatments, who	ere conducted, carried	d out in cooperation bety	veen participatin	ng farms?	•		Υ		
		where fewer population		_		nt for	Υ		
15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?									
16. Do the sea lice 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? (Det	ail below)		Υ		
A.D.D. top nets, tens	ioned nets								
If other, detail below:									
3 Have escape incide	nts or events been ex	perienced on or in the vi	icinity of the site	since the	a last FHI inspection?		N		
If Yes proceed with que			ionnity of the one	omico uno	o laot i i ii iliopoolioii .				
4. Have these been rep									
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	ported to the SSPO ar	nd local fisheries trusts fo	orthwith (where	they exist	t)? (CoGP – 4.4.37, 5	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	oved was this action a	greed with local wild fish	n interests and v	vas permi	ission given by Scotti	sh			
Ministers? (Legal, CoG		J	The second of	F-21111	J. 1. 3, 200				
9. What action was tak	en to prevent and min	imise the risk of further	escapes? (Not o	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	regards to containment?	If no, please de	etail reaso	on(s)		Υ		

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Date of issue: 08/10/2018

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Case No: 2019-0530	Site No: FS1330	
Date of Visit: 25/09/2019	Inspector:	
Point of Compliance		
1. Is the farm under inspection located	within a farm management area?	Υ
If N, no further questions require compl	letion.	
Points of Compliance for Both Farm	Management Agreements and Statements	
 Is the current FMAg/S available for ir Does the FMAg/S identify the relevants. Does the FMAg/S identify the fish fair Does the FMAg/S identify the date of 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 stateme f review?	Y Y Y
Arrangements for Fish Health Manag	jement	
8. Does the FMAg/S identify the minimularm?	um health standards for the stocks to be introd	luced to the area or
10. Does the FMAg/S identify the speci	ation requirements for stocks held in the area dies of fish which may be stocked into the area dimum stocking density of any pen on any farm i	or farm?
12. Does the FMAg/S identify the arran fish farm in the area or the individual fa	gements for the storage and disposal of any darm?	ead fish from any
Arrangements for The Management	of Sea Lice	
13. Does the FMAg/S identify arrangement	nents for the sharing of data on sea lice number	ers and treatments?
14. Does the FMAg/S identify the available of statement?	ability and the use of medicines on farms cover	
15. Does the FMAg/S identify any requilice on farms in the area or individual fa	irements for the sensitivity testing of available tarms?	treatments for sea
16. Does the FMAg/S identify the circurused on farms in the area or individual	mstances under which biological controls and of farms?	
17. Does the FMAg/S identify the arran	gements for synchronous treatments on farms	s within the area?
Live Fish Movements		
area or farm?	mstances when live fish may be introduced or agements for the movement of live fish on and	

FHI 059, Version 12	Issued by: FHI	Date of Issue: 08/10/20
Harvesting		
20. Does the FMAg/S identify acceptab	ole harvest practices on farms in the area or indi	ividual farms?
Fallowing		
21. Does the FMAg/S identify the dates date when a farm or area may be restored	s by which the area or individual farm will be fallocked?	ow and the earliest
22. Does the FMAg/S identify whether of agreement or statement?	one or more year classes may be stocked onto	sites covered by the Y
23. Does the FMAg/S identify whether be covered by the agreement or statement	broodstock or potential broodstock are to be ke t?	pt on any site
Point of Compliance for Farm Manag	gement Agreements Only	
24. Does the farm management agreen parties to the agreement?	ment include arrangements for persons to become	me, or cease to be, N/A
Management and operation		
25. Is the fish farm being managed and	d operated in accordance with the agreement or	statement?
26. What is the version no/date of issue	e of the FMAg/S? Mar-19	

Site No: FS1330

Case No: 2019-0530

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

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

Case No:	2019-0530	Date of visit: 25/09/2019							
Site No:	FS1330	Inspector:							
Results Summary	Freq.	Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
D	_								
Report Summary Case Type		-							
Case Type	Date	Insp	2 nd Insp						
ECI,CNI,SLI,VMD	15/10/2019								





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 FS1330 INSPECTOR DATE OF VISIT 25/09/2019
SITE NAME Sconser Quarry
CASE NO 20190530

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 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, 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

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: 15/10/2019