FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0442			Date of visit: 07/11/2023
Time spent on site:	hours	Main	Inspector:
Site No: FS0375 Business No: FB0224	Site Name: Business Name:	Loch Damph Torridon Smolts Ltd	
Case Types: 1 VMD	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail rea	son below:	

Additional Case Information:

The current stock of fish will be sent to a site in Orkney. One consignment will be sent in Nov 2023 and the final consignment in Spring 2024. At this time the site will be fallow for 6 weeks before being stocked again.

Formalin (Aquacen) treatment prophylactic based on historical disease emergence at this time of year

During inspection of the stock, a small number of fish were observed with a small amount of white growth consistent with Saprolegnia at the base of the pectoral fins.

Mortality from records submitted post inspection: wk 44: 1,220 fish (0.5%), wk 43: 1,486 fish (0.6%), wk 42: 875 fish (0.3%), wk 41: 214 fish (0.1%).

FHI 059, Version 13			Issu	ied by: FHI			Date of issu	ie: 12/05/2020
Case No:	2023-0442		Site No:	FS0375				
Date of Visit:		07/11/2023]		Inspector(s)):		•
Registration/Autho	risation Deta	ails						_
1. Business/site deta	ails summary	checked by s	ite representa	ative?			Υ	
2. Changes made to	details?						N	1
Site Details (includ	e cleaner fis	h for all sect	ions)					
Total No facilities		20	Facilities sto	cked	7	No facilitie	s inspected	20
Species	SAL							
Age group	2023							
No Fish	258,378							
Mean Fish Wt	100g							
Next Fallow Date (S	ite)	March 2024		Next Input Da	ate (Site)	May 2024	(approx.)	
Recent (last 4 wks)	disease probl	ems?		N	Any escape	s (since last	visit)?	N
If yes, detail:								
 Are records comp Are movement records comp Are records comp Are health certification Transport Records Are any movement yes, is there a system 	cords availablete and corrected attestion for introduction of the corrected output to the corrected ou	le for dead fis ectly entered? luctions (outw t by (or on be	h and waste? with GB) availa half) of the bu	able? usiness (not us	-			N/A N/A N/A
Mortality Records 1. Mortality records a	available for i	nenaction?						N
2. How are mortalities		•			Incinerated	- on site		14
If other detail:					•			
3. Mortality records of		correctly ente	ered?					N
4. Recent mortality (,							
5. Evidence of recen		• •						N/A
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks ii	n mortality du	ring period ch	necked?					N/A
If yes, detail:								
7. Have increased (u	ınexplained) ı	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on mort	tality events s	sheet.		N/A

Treatments and Medicines Records	V.
1. Recent treatments (see comment)?	Y
If yes, detail: Aquacen (formalin)	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)? Aquacen (formalin)	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
in you, dottain (in not dottained strider recent disolated problems).	
Records checked between: 17/11/22 - 07/11/23	

-	ni 059, versiori 15		ISSUEU DY. FFII										
	Case no:	2023-04	142	Site No:		FS0375			Date of Samplin		07/	11/2023	07/
	Priority samples:	VI		ВА		PA		MG		ig. HI			
	Time sampling starts/ends:	15:0	0:00	16:0	0:00		Inspecto	or:			VMD No	o. [10
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
A	add Fish/Pools - click												
	Pool/Fish No												
r	Fish nos	1-5	6-11	12-17									
	Pool Group												
Г	Species	SAL	SAL	SAL									
	Average weight			0.1000									
	Sex	N/A		N/A									
	Water Type	FW	FW	FW									
Ctock Details		9 Mill Burn (Old Mill) FS0831	Mill Burn (Old Mill) FS0831	Ormsary Hatchery FS0681									

11/2023 Additional Sample Information:														
0 Total Tests assigned 0														

Case No:	2023-0442			Date of visit:	07/11/2023			
Site No:	FS0375	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
	· ·	Database	Insp	Phone	Insp		Insp	2 nd Insp
	<u> </u>							
Report Summary				1				
Cose Type	Date	Inon	ond I	-				
Case Type VMD	14/11/2023	Insp	2 nd Insp					
VIVID	14/11/2023							



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0224 DATE OF VISIT 07/11/2023
SITE NO FS0375 SITE NAME Loch Damph
CASE NO 20230442 INSPECTOR

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

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

Samples were taken to be analysed for veterinary residues.

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

Records

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

Medicine records were inspected and found to be adequately maintained.

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

Mortality records were not available for inspection. This point was raised with the site representative during the inspection. Since then, a mortality record has been submitted to the fish health inspectorate and, following examination, appears to be adequately maintained.

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 Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

Date: 14/11/2023

FHI 059, Version 13	ls	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0453			Date of visit: 16/11/2023
Time spent on site:	3.5 hours	Main Inspect	or:
Site No: FS0180	Site Name:	Loch Earn	
Business No: FB0456	Business Name:	Dawnfresh Farming Ltd	
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6
Water Temp (°C): 8.9	Thermometer No:	T274	FHI 045 completed
Observations:	Region: TA	Water type: F	CoGP MA
Dead/weak/abnormally behavin	g fish present?	N If yes, see additional info	rmation/clinical score sheet.
Clinical signs of disease observ	ed?		rmation/clinical score sheet.
Gross pathology observed? Diagnostic samples taken?		N If yes, see additional info	rmation/clinical score sheet.
Diagnostic samples taken:		IN .	
UNI/REG only - if unable to carr	y out intended visit detail	reason below:	

Additional Case Information:

17 pens - 5 8m squares 8m deep nets, 6x 50m circles 12m deep nets, 6x60m circles 12m deep nets Nets are all 22.5mm dyneema. New top nets recently purchased.

All triploid fish stocked from New Farm Selcoth, next year will also stock from Frandy

Total number on site - 149411, overall average weight across site 1.87kg, biomass 280092kg

Stocking density average 7kg/m3, highest pen is 12kg/m3 stocking density. Circle pens are all stocked with final numbers, only get closer to 15kg/m3 prior to harvest. Swim throughs are conducted at square pens.

Harvesting - pens towed to pier and bled and stunned into harvest bins - cage emptied in 2-4 days - harvesting every few weeks in spring/summer last harvest 18th October next in March 24.

Some higher morts due to PKD, BKD, Otter predation - peaking at 25 PKD, BKD/day and 40 for otter - sporadic - no significant peaks. Average mortality for the whole of 2023 so far is 0.6%

Fish are regularly health checked by staff who are all trained and competent at sampling.

ROV checks conducted on nets - monthly at least, and before towing pens or swim through.

Otter predation has left marks on some fish, particularly pens that had just moved over from the square pens but they are not moribund, lethargic and doing well. These are removed if become lethargic. No damage to equipment from otter predation but damaging fish through the nets.

Inspection and sampling conducted by observed and audited by

FHI 059, Version 13		_	lss	sued by: FHI	_	ı	Date of issue:	12/05/2020
Case No:	2023-0453		Site No:	FS0180				
Date of Visit:		16/11/202	23		Inspector(s):			
Registration/Author	risation Deta	ails						
1. Business/site deta	ails summary	checked by	site represer	ntative?		\	Y	
2. Changes made to	details?						N	
Site Details (includ	le cleaner fis	h for all se	ctions)					
Total No facilities	c cicarici iis	17	Facilities s	tocked	12	No facilities	inspected 1	7
Species	rtr	rtr	rtr	rtr	-	rto idominos	порескей	•
Age group	MVG	MVG	MVG	MVG			_	
No Fish	15,034	62,895	47,984	23,498		$\overline{}$		
Mean Fish Wt	3kg	2kg	1kg	<1kg				
Next Fallow Date (S		N/A	9	Next Input Da	ate (Site)	Feb 2024		
Recent (last 4 wks)	disease probl	ems?		_	Any escapes	(since last vi	sit)?	N
If yes, detail:	BKD, PKD			_	<u> </u>			
 Are records comp Are movement re Are records comp Are health certific Transport Records Are any movement If yes, is there a system 	cords availab plete and corre ates for introd ints carried ou	le for dead to ectly entereductions (ou	fish and wasted? twith GB) ava pehalf) of the	illable? business (not us	_	•	E	Y Y N/A
Mortality Records								
Mortality records	available for i	nspection?					Г	Y
2. How are mortalitie		•			Other (detail)			
If other detail:	Whole fish to				,			
3. Mortality records			ntered?					Y
4. Recent mortality (last 4 wks):	•	20-40/pen/	/week				
5. Evidence of recer	nt increased/a	typical mort	alities?					N
If yes, facility nos/no	mortality per	facility/no s	tock per facili	ity/reason:			_	
6. Any other peaks i	n mortality du	ring period	checked?					N
If yes, detail:								
7. Have increased (unexplained)	mortalities b	een reported	to vet or FHI?				N/A
If yes, detail action:								N/A
8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.								

_ , , ,		
Treatments and Medicines Records		N
Recent treatments (see comment)? If yes, detail:		
If other, detail:		
Medicines records available for inspection?		N/A
Are records complete and correctly entered?		147
4. Are fish in a withdrawal period?		N
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		N/A
o. Are medicines stored appropriatory.		
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, record	ding and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Sc	-	
increased (unexplained) mortality at the site been included?	• • • • • • • • • • • • • • • • • • • •	Y
4. Has the action that will be taken in the event that the prese		
is detected been included and how and when that will be not	tified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocke	d on the farm site been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemente	ed between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, vis		
7. Is documentation available regarding the measures in place		Y
aquaculture animals held on site?	to maintain the physical containment of	
Have the biosecurity procedures been adequately implement	ented on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or	on behalf of, the business?	Y
2. If yes, are results available for inspection?		Y
3. Any significant results?		N
If yes, detail (if not detailed under recent disease problems).		
Records checked between:	20/01/2020 - 16/11/2023	

FHI 059, Version 13		ISSUED BY: FHI										
Case no:	2023-04	53	Site No:		FS0180			Date of Samplin		16/	11/2023	16/
Priority samples:	VI		ВА		PA		MG	Sampiin	g. HI			
Time sampling starts/ends:	15:0	0:00	15:1	0:00		Inspecto	r:			VMD No	D.	1
Environmental conditions	1	Indoors	2		3		4		5			
Summary samples	HIST		ВА		MG		VI		PA		Total Sa	imples
Add Fish/Pools - click												
Pool/Fish No												
Fish nos	F1											
Pool Group												
Species	RTR											
Average weight	750g											
Sex	N/A											
Water Type	FW											
Stock Origin Facility No	OD New Farm FS0680											
U) I womity itto	010											

······································														
11/2023 Additional Sample Information:														
0 Total Tests assigned 0														
											Additional Sample Information:	Additional Sample Information:	Additional Sample Information:	Additional Sample Information:

FHI 059, Version 13		Issued by: FHI			Date of	Date of issue: 12/0			
Case Number:	2023-0453		Site No:	FS0180		Insp:			
Date of Visit	16/11/2023		No of m	ovements/s	supp./dest.		Score		
Live fish movements			0	1-5	6-10	>10			
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0		
with GB) of susceptible species		novements on from equivalent zone or acluding third country	0	9	18	26	0		
·	Number of supp		0			14	0		
Movements off	Frequency of m	novements off	1 0	3	6	10	10		
	Number of dest		0	3	6	10	3		
Exposure via water		Site contacts	0	1-5	6-10				
Water contacts with other farms (holding species	disinfection or b	•	0				0		
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1		
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		0		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		0		
Management practices			None	Secure	Unsecure				
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0		
On farm processing within the rules of the directive	No on farm pro	•	0						
	Processing own	n fish (re-cycling risk)	1				1		
	Processing fish	from MS of equivalent status	2						
	Processing fish equivalent statu	from zone or compartment of	4						
		from Category III farm	8						
	Processing fish	from Category ∨ farm	10						
Disposal of fish and fish by-	Site's own wast	te only processed.	0	1			0		
products	Common proce	sses with other farms	3						
	Collection point	for waste from other farms	5						
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	i			0		
	Feeding unpas	teurised feed	5						
Biosecurity		Number of sites	. 1	2 or 3	≥ 4				
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0		
	Sites sharing st	aff and equipment	0	1	2		0		
Disinfection of equipment between sites, use of	Yes		0				0		
footbaths etc	No		1						
CoGP/Regulator				_					
Practices in accordance with regulator or industry	Yes		0				0		
code of practice	No		3						
Platform access to cages	Yes		0]			0		
	No		2						
					Total Rank		15 LOW		

FHI 059, Version 13		Issued by: FHI		Date of issue: 12/05/2020
Case No:	2023-0453	Site N	p: FS0180	
Sea Lice Inspection (S	seawater Sites Only)			
1. Has the site experien	iced sea lice problems in the previous	s 4 years?		
2. Is the CoGP Farm Ma	anagement Area (or equivalent) fallo	wed synchronously on a sing	le year class basis?	
	ccess to a range of licenced in-feed a mectin benzoate) as well as access			
4. Is there a signed doc Management Area (or e	umented farm management agreeme	ent or statement relevant to t	e site and CoGP Farr	m
5. Are sea lice count red	cords available for inspection? (Legal	I SSI, CoGP Annex 6)		
6. Do records adequate	ly reflect the required standard speci	fied in the SSI and the CoGF	? (Legal SSI, CoGP A	nnex 6)
7. Are sea lice (<i>L. salmo</i> records are inspected?	onis) record levels below the suggest (CoGP Annex 6)	ted criteria for treatment in th	CoGP during the pe	riod that
8. Have average adult f	emale sea lice (<i>L. salmonis</i>) number	s per fish been at a level of 3	or above (prior to w/b	10/6/19) or
If yes, have these been	reported to the Fish Health Inspector	rate? If no, FHI see commen		
9. Is C. elongatus infes	tation at a level which is considered t	to cause significant welfare p	oblems? (CoGP 4.3.8	31, 5.3.50)
•	eatments been administered or other eatment or where <i>C. elongatus</i> is co			
11. Has any other action	n been taken (where applicable)?			
12. Have therapeutic tre	eatments or the actions taken had a s	significant impact upon the lic	e levels recorded?	
13. Are treatments, who	ere conducted, carried out in coopera	tion between participating far	ms?	
14. Is there a harvesting	g strategy for the site, where fewer po	pulations or part populations	are held without treat	ment for
15. Is there a site specif	fic written lice management procedur	e with waypoints describing	et actions to deal with	n recognised
16. Do the sea lice leve	ls observed on stocks reflect sea lice	count data? If no please det	ail reasons.	
Containment Inspection	on			
1. Has the site experien	iced equipment damage due to preda	ators in the current or previou	s production cycles?	N
2. Are measures in place	ce to mitigate against the predation ex	xperienced on site? (Detail be	low)	Υ
Tensioned nets	Top nets A.D.D.			
If other, detail below:				
· ·	nts or events been experienced on or	•	the last FHI inspecti	ion? N
If Yes proceed with que	estions $4 - 9$. If No skip to question 10)		
4. Have these been rep	orted to Scottish Ministers?			
5. Have these been rep	orted to local DSFB forthwith (where	they exist)? (CoGP - 4.4.37	5.4.17)	
6. Have these been rep	orted to the SSPO and local fisheries	s trusts forthwith (where they	exist)? (CoGP - 4.4.3	7, 5.4.17)
7. Were methods (if any	y) used to recover escapees? If yes g	give detail		
8. If gill nets were deplo Ministers? (Legal, CoG	oyed was this action agreed with local P – 4.4.38, 5.4.18)	l wild fish interests and was p	ermission given by So	cottish
9. What action was take	en to prevent and minimise the risk of	f further escapes? (Not cover	ed in code but could	
	satisfactory measures of the Act)			
	as satisfactory with regards to conta		eason(s)	Υ

Case No:	2023-0453			Date of visit:	16/11/2023			
O't- N-	E00400	- 1						
Site No:	FS0180	J		Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
,		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Report Summary								
Case Type	Date	Insp	2 nd Insp					
ECI, CNI, VMD	23/11/2023							



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 FB0456
 DATE OF VISIT
 16/11/2023

 SITE NO
 FS0180
 SITE NAME
 Loch Earn

 CASE NO
 20230453
 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

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

RO4 UKAS accredited testing laboratory No. 1964

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Email - ms.fishhealth@gov.scot
Website - https://www.gov.scot/policies/fish-health-inspectorate/

On this occasion the site was found to be satisfactory.

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



Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot</u> (www.gov.scot)

Date: 24/11/2023

FHI 059, Version 13	Issu	ued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0458			Date of visit: 14/11/2023
Time spent on site: 4h		Main Inspecto	or:
Site No: FS1122 Business No: FB0119	Site Name: Business Name:	Grey Horse Channel Mowi Scotland Ltd	
Case Types: 1 ECI 2	2 CNI 3 SLI	4 VMD 5 DIA	6
Water Temp (°C): 10.9	Thermometer No:	T173	FHI 045 completed
Observations:	Region: WI	Water type: S	CoGP MA: W-11
Dead/weak/abnormally behaving for Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		Y If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail rea	ason below:	

Additional Case Information:

Peaks in salmon mortality 2022, wk 22 7457 (1.84%), wk 23 4,773 (1.22%), wk 24 5,449 (1.41%), wk 25 5,618 (1.48%), wk 26 7,432 (1.99%), wk 27 8,966 (2.60%), wk 28 4571 (2.03%) all AGD and seal predation with some physical damage. Wk 36 1396 (1.55%) all AGD, wk 37 2013 (1.51%), wk 38 2677 (1.16%), fw treatment losses.

Peaks in salmon mortality 2023, wk 35 14017 (1.23%), wk 36 24 989 (2.21%), wk 37 18820 (1.70%), wk 39 15408 (1.39%), wk 40 47228 (4.43%) AGD poor doers.

Salmon mortalities for the last four weeks, wk 44 32,807 (3.72%), wk 43 26590 (2.93%), wk 42 45,333 (4.75%), wk 41 63,864 (6.27%) mainly AGD and treatment losses but also some poor doers.

Peaks in lumpfish mortality 2023, wk 28 12,932 (7.51%), wk 29 28,381 (17.82%) tenacibaculum.

Peaks in wrasse mortality 2023 wk 41 5957 (19.95%) runts and some AGD recorded.

Lumpfish mortality last four weeks, wk45 159 (0.14%), wk 44 166 (0.15%), wk 43 430 (0.39%) wk 42 511 (0.46%).

Wrasse mortality, last four weeks, wk 45 532 (2.27%, wk 44 45 (0.19%), wk 43 214 (0.90%), wk 42 949 (3.86%)

Most recent treatments have included paramove in August and September, freshwater in November, October and September.

Lice numbers are currently low.

Piscirickettsia recently identified, antibiotic treatment is planned.

A number of lethargic and moribund fish observed in all cages.

Some walkways had minor damage following recent storms, these are to be repaired when possible.

FHI 059, Version 13			Issu	ed by: FHI			Date of issu	ie: 12/05/2020
Case No:	2023-0458]	Site No:	FS1122	2			
Date of Visit:		14/11/2023	3		Inspector(s):			1
Registration/Autho	risation Deta	ails						
1. Business/site deta	ails summary	checked by s	site representa	ative?			Υ	
2. Changes made to	details?						N	
Site Details (includ	e cleaner fis	h for all sect	tions)			_		
		14 100m	1					
Total No facilities		circles	Facilities sto	cked	14	No facilitie	s inspected	14
Species	SAL	WRS	LUM					
Age group	2023 q2	Mix wild	2023					
No Fish	710,139	23,405	109,895					
Mean Fish Wt	1.74kg	N/A	N/A					
Next Fallow Date (S	ite)	August 2024	1	Next Input Da	ate (Site)	March 202	5	
Recent (last 4 wks)	disease probl	ems?		Y	Y Any escapes	(since last v	/isit)?	N
If yes, detail:	AGD and Pis	scirickettsia						
 Date of last inspersions. Are records composite. Are movement respective. Are records composite. Are health certificant. Transport Records. Are any movement. If yes, is there a system. 	elete and correctords available lete and corrected attestion for introduction attestions.	le for dead fis ectly entered? ductions (outw it by (or on be	sh and waste? ? with GB) availa chalf) of the bu	able? usiness (not us	· ·		25/05/2022	Y Y Y N/A
Mortality Records								
Mortality records a								Y
2. How are mortalities					Other (detail)			
		hite shore co						
3. Mortality records of	•	correctly ent	ered?					Y
4. Recent mortality (last 4 wks):		see additiona	al information				
5. Evidence of recer	it increased/a	typical morta	lities?					Y
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
see additional inform	nation							
6. Any other peaks in	n mortality du	ring period ch	necked?					Y
If yes, detail:	see additionate	al information	ı, peaks in mo	rtalities record	ded in 2022 rep	orted throug	gh mortality e	event
7. Have increased (u	inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:			,					
8 Have 'mortality ov	ronts' boon ro	ported to EHI	2 If no enter	details on mor	tality events ek	noot		V

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Treatments and Medicines Records		
1. Recent treatments (see comment)?		Y
If yes, detail: TMS		
If other, detail:		
2. Medicines records available for inspect	on?	Ϋ́
3. Are records complete and correctly enter	ered?	Y

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

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

Gill health, HSMI, AGD, Piscirickettsia

25/5/2022 to 14/11/2023 Records checked between:

	Case no:	2023-04	158	Site No		FS1122	2		Date of	visit/	14/	11/2023	14/
	Priority samples:	VI		ВА		PA		MG	Samplin	ig: HI		1	
	Time sampling starts/ends:	14:0	0:00	15:0	0:00	1	Inspecto	or:		l	VMD No	о.	23
	Environmental conditions:	1	Indoors	2		3		4		5		l	
	Summary samples	HIST	Y	ВА	Y	MG	Y	VI		РА		Total Sa	mples
	LLES De de als												
Α	dd Fish/Pools - click												
		F1	F2	F3	F4	F5							
	Fish nos	1		3	4	5	6-7	8-9	10-11	12-13	14-15		
	Pool Group	P1	P1	P1	P1	P1							
	Species	SAL	SAL										
	Average weight	1.4000	1.4000	1.4000	1.4000	1.4000	1.4000	1.4000	1.4000	1.4000	1.4000		
	Sex	N/A	N/A										
	Water Type	SW	SW										
<u>S</u>		æ	æ	φ	SS	SS	တ္တ	æ	œ.	φ	e)		
Details		JO.	jo j	JO.	Jes	Jes	Jes	JO.	ا و	JO.	lor		
		Inchmore	Inchmore	Inchmore	Lochness	Lochness	Lochness	Inchmore	Inchmore	Inchmore	Inchmore		
Stock	Stock Origin			_		_					lnc		
Ste	Facility No	11	11	11	10	10	11	6	5	4	7		

1 111 000, VOISIC	,,,,,,						100	aca by.		
11/2023 Additio	nal Sam	ple Infor	mation:							
5	Total To	ests ass	igned	3	l					

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020

Case no: 2023-0458 Site No: FS1122 Method of killing: Percussive

Case no:	2023-0458]	Site N	lo:	FS11	FS1122		Method of killing: Percussive		sive	
Date of visit:	14/11/202	3	Inspe	ctor(s):				S	Sheet Re	elevant:	Υ
S for strong presen	ce: M for medium presence: W for	weak pre	sence								
Fish Number		1		2	3	4 5					
Time sampled after External Signs	er death (if > 45 minutes)										
Behaviour	Moribund	w	W	w	w	w					
	Lethargic	S	S	S	S	S					
	Hanging vertical										
	Spiralling		_								
	Flashing		-								
Body	Loss of equilibrium Dark										
Dody	Distended abdomen										
	Anorexic										
	Scale Oedema										
Opercula	Shortened										
llaam code a	Flared										
Haemorrhaging	Throat Ventrum										
	Base of fins										
	Elsewhere										
Eyes	Exophthalmic										
	Enophthalmic (sunken)										
	Cataract										
a	Haemorrhagic	100	100		100	1.00					
Gills	Pale Zoned	W	m	W	W	W					
	Necrotic	m	m	m	m	m					
Lesions	Flank		-								
20010110	Elsewhere										
Vent	Inflamed										
	Trailing faeces										
Lice Load	Estimate numbers										
Internal Cinna											
Internal Signs Ascites	Clear										
Ascites	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic										
	Granulomas										
	Deformed	m	m	m	m	m					
Liver	Petechial haem Gross haem		_								
	Tissue breakdown										
	Enlarged										
	Colour number(s)	4	4	4	4	4 4					
	Granulomas										
Didanis	Lesions										
Pyloric caeca	Petechial haem Tubules mauve	m	w	m							
	Lack of fat	m	W	S							
Spleen	Enlarged	S	m	S	S	S					
	Granulomas			S	m	w					
Gut	No food present										
	Yellow pseudo-faeces	S	S	S	S	S					
	External haem										
Body wall	Internal haem Haemorrhaging										
Swim bladder	Haemorrhaging										
J Diaddoi	Fluid filled										
Kidney	Swollen	w									
	Grey	W									
	Granular	W									
O-man-1	Liquefied										
General	Parasites present Anaemia										
	Imiacilia										

Case no: 2023-0458

Date of visit: 14/11/2023

Date of visit:	14/11/2023						
C for otrong process	and M for modium processes W for y						
	nce: M for medium presence: W for v	\				ı	
Fish Number	and the fife AF and and an						
	er death (if > 45 minutes)						
External Signs	Ba and harman						
Behaviour	Moribund Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
zouy	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
	Flared						
Haemorrhaging	Throat						
	Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
0'''	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
Vant	Elsewhere						
Vent	Inflamed						
Lice Load	Trailing faeces Estimate numbers						
Lice Load	Estimate numbers						
Internal Signs							
Ascites	Clear						
	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
	Granulomas						
	Deformed						
Liver	Petechial haem						
	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s)						
	Granulomas						
Dylaric sass	Lesions						
Pyloric caeca	Petechial haem						
	Tubules mauve Lack of fat						
Spleen	Enlarged						
Оріссії	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 13	Issued by: FHI	Date of issue: 12/05/202
Additional comments:		

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2023-0458		Site No:	FS1122		Insp:	
Date of Visit	14/11/2023		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	0
	Number of sup	ocluding third country	0		10	14	0
Movements off	Frequency of m		1 0		6	10	10
Niovements on	Number of dest		0		6	10	3
Exposure via water		Site contacts	5 0	1-5	6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through corehole)	0				
susceptible to same diseases)	farms upstream	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent statu	from zone or compartment of us	4				
		from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	te only processed.	0]			
products	Common proce	esses with other farms	3				3
	Collection point	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	T 0	- 1			0
	Feeding unpas	teurised feed	5				
Biosecurity	•	Number of sites	, 1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	taff and equipment	0	1	2		1
Disinfection of equipment	Yes		Το	1			
between sites, use of footbaths etc	No		1	-			1
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0	1			0
	No		2	1			
				1			
					Total Rank		MEDIUM

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0458	Site No:	FS1122
3. Does the site have access to a range of lice	uivalent) fallowed synchronously on a single ye need in-feed and bath sea lice medications (incl vell as access to suitable biological and/or mecha-	uding deltamethrin, Y
· ,	ment agreement or statement relevant to the site	e and CoGP Farm
5. Are sea lice count records available for insp	ection? (Legal SSI, CoGP Annex 6) standard specified in the SSI and the CoGP? (Le	egal SSI, CoGP Annex 6)
7. Are sea lice (<i>L. salmonis</i>) record levels belorecords are inspected? (CoGP Annex 6)	ow the suggested criteria for treatment in the Coo	GP during the period that N
8. Have average adult female sea lice (<i>L. salm</i> 2 or above (from w/b 10/6/19) during the period	nonis) numbers per fish been at a level of 3 or at d that records are inspected?	bove (prior to w/b 10/6/19) or Y
If yes, have these been reported to the Fish Hese. If yes, have these been reported to the Fish Hese.	ealth Inspectorate? If no, FHI see comment. s considered to cause significant welfare problem	ms? (CoGP 4.3.81, 5.3.50)
suggested criteria for treatment or where <i>C. el</i> 11. Has any other action been taken (where ap 12. Have therapeutic treatments or the actions 13. Are treatments, where conducted, carried or the treatments.	tered or other actions taken when <i>L. salmonis le tongatus</i> is considered to have welfare implication opplicable)? It taken had a significant impact upon the lice level out in cooperation between participating farms? Where fewer populations or part populations are here.	ons? (CoGP 4.3.82, 5.3.51) Y els recorded? Y Y
15. Is there a site specific written lice manager scenarios during the escalation of a sea lice in	ment procedure with waypoints describing set ac festation?	ctions to deal with recognised Y
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no please detail rea	asons.
-	e due to predators in the current or previous pro- ne predation experienced on site? (Detail below) line.	
If Yes proceed with questions $4-9$. If No skip 4. Have these been reported to Scottish Minist 5. Have these been reported to local DSFB for	•	17)
7. Were methods (if any) used to recover esca	pees? If yes give detail	
Ministers? (Legal, CoGP – 4.4.38, 5.4.18) 9. What action was taken to prevent and mining be considered under satisfactory measure	reed with local wild fish interests and was permise the risk of further escapes? (Not covered in es of the Act) gards to containment? If no, please detail reason	code but could

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0458 Site	<u>-</u>	Date of 133uc. 12/03/2020
2020 0400	101122	
Date of Visit: 14/11/2023	Inspector:	
Point of Compliance		
1. Is the farm under inspection located within	a farm management area?	Υ
If N, no further questions require completion.		
Points of Compliance for Both Farm Mana	agement Agreements and Statements	
Has a current farm management agreeme	-	
3. Is the current FMAg/S available for inspec	tion?	У
4. Does the FMAg/S identify the relevant farm		У
5. Does the FMAg/S identify the fish farm site	• •	у
6. Does the FMAg/S identify the date of com	——————————————————————————————————————	ent?
7. Does the FMAg/S identify the date of revie	sw :	y
Arrangements for Fish Health Manageme		
8. Does the FMAg/S identify the minimum he farm?	ealth standards for the stocks to be introd	duced to the area or y
9. Does the FMAg/S identify the vaccination	·	
10. Does the FMAg/S identify the species of	•	
11. Does the FMAg/S identify the maximum a individual farm?	stocking density of any pen on any farm	in the area or the
12. Does the FMAg/S identify the arrangeme fish farm in the area or the individual farm?	nts for the storage and disposal of any o	dead fish from any
Arrangements for The Management of Se		
13. Does the FMAg/S identify arrangements	for the sharing of data on sea lice numb	ers and treatments?
14. Does the FMAg/S identify the availability of statement?	and the use of medicines on farms cove	ered by the agreement y
15. Does the FMAg/S identify any requireme	nts for the sensitivity testing of available	treatments for sea
lice on farms in the area or individual farms?	,	
16. Does the FMAg/S identify the circumstan		cleaner fish are to be y
used on farms in the area or individual farms		
17. Does the FMAg/S identify the arrangeme	nts for synchronous treatments on farm	s within the area?
Live Fish Movements		
18. Does the FMAg/S identify the circumstan area or farm?	ces when live fish may be introduced or	
19. Does the FMAg/S identify the arrangeme or individual farms?	nts for the movement of live fish on and	off sites in the area

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable h	narvest practices on farms in the area or indiv	vidual farms?
date when a farm or area may be restocke 22. Does the FMAg/S identify whether one	which the area or individual farm will be fallod? or more year classes may be stocked onto s	
agreement or statement? 23. Does the FMAg/S identify whether broceovered by the agreement or statement?	odstock or potential broodstock are to be kep	ot on any site
Point of Compliance for Farm Managem 24. Does the farm management agreement parties to the agreement?	nent Agreements Only It include arrangements for persons to become	me, or cease to be, N/A
Management and operation 25. Is the fish farm being managed and op 26. What is the version no/date of issue of	erated in accordance with the agreement or the FMAg/S? 23/03/2023	statement? Y

 Case No:
 2023-0458
 Date of visit:
 14/11/2023

 Site No:
 FS1122
 Inspector:

Results Summary	Freq.	Date of Notification						
riodano danimary	·	Database Insp Phone Insp Writing Insp 2 nd Insp						
IHN (PCR) - IHNP	0/5	20/11/2023		20/11/2023		15/12/2023		2 11100
IPN (PCR) - IPNM	0/5	20/11/2023		20/11/2023		15/12/2023		
ISA (real time qPCR -	0/5	20/11/2023		20/11/2023				
heart & kidney) - ISAQ								
						15/12/2023		
Piscine myocarditis	0/5	20/11/2023		20/11/2023				
virus (CMS) (PCR) -						45/40/0000		
PMVP	0/5	00/44/0000		00/44/0000		15/12/2023		
Salmonid alphavirus	0/5	20/11/2023		20/11/2023		15/12/2023		
(SAV) (PCR) - SALP VHS (PCR) - VHSP	0/5	20/44/2022		20/44/2022		15/12/2023		
Paranucleospora	0/5 5/5	20/11/2023 21/11/2023		20/11/2023 22/11/2023		13/12/2023	-	
theridion (PCR) - PNST	3/3	21/11/2023		22/11/2023				
						15/12/2023		
Salmon gill poxvirus	5/5	21/11/2023		22/11/2023				
(PCR) - SPVP						15/12/2023		
AGD (Neoparamoeba	4/5	21/11/2023		22/11/2023				
perurans) (PCR) -								
AGDQ						15/12/2023		
Vibrio species (culture) -	3/5	28/11/2023		28/11/2023				
VSPE						15/12/2023		
Piscirickettsia salmonis	3/5	06/12/2023		06/12/2023				
(SRS) (histology) -						45/40/0000		
PISH	0/4	00/40/0000		00/40/0000		15/12/2023	-	
Amoebic gill disease (histology) - AMGD	2/4	06/12/2023		06/12/2023		15/12/2023		
Epitheliocystis - EPIT	2/4	06/12/2023		06/12/2023		15/12/2023		
Gill pathology - GPAT	4/4	06/12/2023		06/12/2023		15/12/2023		
Granuloma - GRAN	1/5	06/12/2023		06/12/2023		15/12/2023		
Heart pathology -	5/5	06/12/2023		06/12/2023		10/12/2020		
HPAT	0,0	00/12/2020		00/12/2020		15/12/2023		
Spleen pathology -	3/5	06/12/2023		06/12/2023				
SPAT						15/12/2023		
Kidney pathology -	5/5	06/12/2023		06/12/2023				
KPAT						15/12/2023		
Piscirickettsia salmonis	3/3	06/12/2023		06/12/2023				
(SRS) (PCR) - PISP								
						15/12/2023		
	-							

Report Summary			
Case Type	Date	Insp	2 nd Insp
ECI,CNI,SLI,VMD	22/11/2023		
DIA	15/12/2023		



FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0119 **DATE OF VISIT** 14/11/2023

SITE NO FS1122 SITE NAME Grey Horse Channel INSPECTOR

Section 1: Summary

The above site was inspected following reports of increased mortalities. A number of lethargic and moribund fish were observed in all pens, five were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed mild pathology consistent with amoebic gill disease (confirmed by qPCR), pathology consistent with salmonid rickettsial septicaemia (SRS) (confirmed by qPCR) and one fish also displayed massive numbers of widespread eosinophilic granular cells.

Vibrio sp. was identified on plates taken from kidney material, the level and purity of growth overall would not suggest that this bacterium would be implicated as a primary pathogen, however the purity of growth observed in kidney material of F3 would suggest that the health of this individual fish may be affected.

Samples tested positive for the gill related pathogens: *Paranucleospora theridion*, salmon gill poxvirus (SGPV).

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

Elevated mortalities had been occurring on site since week 35 and peaking in wk 41 attributed mainly to AGD, mortalities have reduced but remained elevated. *Piscirickettsia* had recently been isolated and an antibiotic treatment was planned.

On inspection of the stocks a number of lethargic and moribund fish were observed in all pens, five were removed for further examination and diagnostic sampling.

All five fish sampled were lethargic and moribund with pale and necrotic gills with slight zoning in F5.

Internally all fish had deformed hearts. The pyloric caeca of F1-3 lacked fat and had mauve tubules. Splenomegaly was noted in all fish with granulomas on F3-5. The kidney of F1 was slightly swollen, grey and granular and yellow pseudo faeces was present in all fish.

Samples

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

Fish number	Facility number	Species	Stage	Origin
F1-3	11	A.salmon	1.7kg 2023 Q2	Inchmore
F4-5	10	A.salmon	1.7kg 2023 Q2	Loch Ness

Results

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

The following bacteria was isolated:

• Vibrio sp. (kidney F1,3 and 5)

Tissue samples from F1, 3 and 4 were tested for segments of nucleic acid indicative of the presence of the bacteria specified below using real-time PCR (qPCR).

Piscirickettsia salmonis

Fish Number	Endogenous control Cp value	Cp Values			Reported Result (PCR)
F1	22.10	27.10	26.95	26.93	POSITIVE
F3	21.36	21.76	21.19	21.61	POSITIVE
F4	21.55	35.25	35.07	35.10	POSITIVE

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	21.74	39.26	39.54	>40	POSITIVE
F2	21.13	36.84	37.78	37.88	POSITIVE
F3	21.45	34.61	34.58	34.19	POSITIVE
F4	21.93	30.80	30.53	30.32	POSITIVE
F5	22.51	29.19	29.34	29.03	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) and piscine myocarditis virus (PMCV).

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

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	21.74	28.07	28.00	27.96	POSITIVE
F2	21.13	29.26	29.78	29.54	POSITIVE
F3	21.45	25.87	25.54	25.83	POSITIVE
F4	21.93	32.03	32.39	32.67	POSITIVE
F5	22.51	31.53	31.65	32.10	POSITIVE

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	,	Cp Values		Reported Result (PCR)
F1	21.74	31.12	30.94	30.90	POSITIVE
F2	21.13	29.04	29.49	29.35	POSITIVE
F3	21.45	27.20	27.04	27.44	POSITIVE
F4	21.93	33.71	33.83	33.10	POSITIVE
F5	-	-	-	-	Negative

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:

Gill: Foci of filament necrosis with of few round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F1, F3, F4). Few basophilic epithelial inclusions (likely epitheliocystis) observed in F2, F3 and few amoeboid cells resembling *Neoparamoeba perurans* observed F2, F3. F3 also displayed cell debris with bacteria associated among gill filaments. Lamellar telangiectasia with multifocal thrombosis (F1-F4) and free blood among gill filaments.

Skin & Muscle: Some isolated white fibre degeneration (F4).

Heart: Mild, multifocal myocarditis (F1, F5) some with round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F1). Ranging from mild to moderate, epicarditis and some with round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F1, F2, F3, F4).

Gut and pyloric caeca: Peritonitis, mild, multifocal (F1, F2, F3, F4) and presence of some to few round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F1, F2, F3).

Pancreas: Within normal range.

Liver: Capsulitis (F3) with few round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F1, F2). Hepatocellular necrosis, mild, multifocal (F1, F4) with few round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F1). Hepatocellular vacuolation (macrovesicles), mild, multifocal (F2), some cuffing (F2). F4 also displayed a granuloma-like structure displaying some unknown parasite-like structures walled-off.

Kidney: Interstitial cell (haemopoietic) necrosis (F1) with few intracellular round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F1, F3, F4). Some renal tubules display some hyaline droplets (F2, F4, F5). Massive numbers of eosinophilic granular cells observed interstitial cell (haemopoietic) of F3.

Spleen: Slightly congested and some evidence of erythrophagocytosis (F1). F1, F5 exhibited parenchymal necrosis with few round blue structures resembling bacteria that stained Gramnegative (likely *Piscirickettsia* sp.) (F1, F3). Massive (diffuse) numbers of eosinophilic granular cells observed on the parenchymal tissue of F3.

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 Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

Date: 12/12/2023



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0119 **DATE OF VISIT** 14/11/2023

SITE NO FS1122 SITE NAME Grey Horse Channel INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

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

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

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

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

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, containment and escapes.

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

Signed: Date: 22/11/2023
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0478			Date of visit: 01/11/2023
Time spent on site:	3 hours	Main Ins	pector:
Site No: FS0264 Business No: FB0132	Site Name: Business Name:	Inverpolly Finfish Ltd	
Case Types: 1 ECI	2 CNI 3 VMD	4 5	6
Water Temp (°C): 7.1	Thermometer No:	T155	FHI 045 completed
Observations:	Region: HI	Water type: F	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		N If yes, see additional	information/clinical score sheet. information/clinical score sheet. information/clinical score sheet.
UNI/REG only - if unable to carry	y out intended visit detai	il reason below:	

Additional Case Information:

Morts ensiled on site and moved off once a year. Ferguson to Barkip

2024 Q2 fish on site being moved to Arkaig this year. Were input as ova from Ireland- Kindrum. Next input Jan 2024 from Kindrum.

Brood fish were in LLB but have now moved to Carnasserie for stripping.

last treatment May 2023 - Aquasen - Formalin, Cress Bronapol.

22/5/23 - 22/5/23 Florfenical for RTFS. -1000 degree days. Medicine mixed on site.

Paperwork and sampling , Inspection and and (supervised)

FHI 059, Version 13		Issued	by: FHI		Dat	te of issue: 12/05/2020
Case No:	2023-0478		Site No:	FS026	4	
Date of Visit:		01/11/202	23		Inspector(s):
Registration/Authorisation De 1. Business/site details summar 2. Changes made to details?		representativ	e?			
Site Details (include cleaner f	ish for all section	s)				
Total No facilities		128	Facilities st	ocked	39	No facilities in:
Species	sal					
Age group	Q2 2024					
No Fish	479,273					
Mean Fish Wt	45g					
Next Fallow Date (Site)		end Nov 2	3	Next Input	Date (Site)	Jan 2024 Kind
Recent (last 4 wks) disease pro	blems?				N Any escape	es (since last visit
If yes, detail:						
Movement Records						
Movement records available	for inspection?					
2. Date of last inspection:						
3. Are records complete and co	rrectly entered?					
4. Are movement records availa		nd waste?				
5. Are records complete and co	rrectly entered?					
6. Are health certificates for intr	•	GB) available	?			
Transport Records						
Are any movements carried of the control of th	out by (or on behalf) of the busin	ess (not using	2 STR\2		
If yes, is there a system in place	• •	•	•	(a 51b):		
		·				
Mortality Records	. :					
Mortality records available for					I-mailad III ar	
How are mortalities disposed If other detail:	101?				Ensiled - or	i site
Mortality records complete ar	nd correctly entered	?				
4. Recent mortality (last 4 wks):	•		0.08% per v	week for last 4	4 weeks we	eks 40 to 43
5. Evidence of recent increased		s?	5.5576 pci	TOOK TOT TOO	T WOOKS. WO	one to to to.
If yes, facility nos/no mortality p	**		ason:			
	,	,				
6. Any other peaks in mortality o	during period check	red?				
	weeks 2023; 1	9 7.89%(RTF	S), 20 7.47%((RTFS). 21 7.	53%(RTFS), 2	25 8.01% (costia
If yes, detail:	3.2%(RTFS)					
Have increased (unexplained	l) mortalities been r	reported to ve	et or FHI?			
If yes, detail action:						
Have 'mortality events' been	reported to FHI? If	no, enter det	ails on mortalit	ty events shee	et.	

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawel period?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

- 1. Biosecurity records available for inspection?
- 2. Has the manner and frequency of mortality 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 *increased* (*u* mortality at the site been included?
- 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detect included and *how* and *when* that will be notified to Scottish Ministers?
- 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status certification if required)?
- 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmissic disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
- 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture anima site?
- 8. Have the biosecurity procedures been adequately implemented on site? If no, detail:

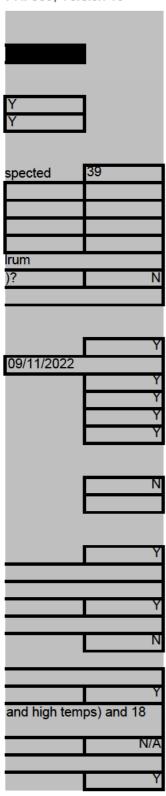
Results of Surveillance

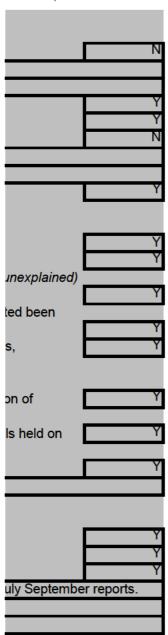
- 1. Has any animal health surveillance been carried out by, or on behalf of, the business?
- 2. If yes, are results available for inspection?
- 3. Any significant results?

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

PKD in September, SGPV J

Records checked between: 9/11/22- 31/10/23





	ni 059, version 15							1554	eu by. Ffii				
	Case no:	2023-04	178	Site No:		FS0264			Date of visit Sampling:	/	01/1	11/2023	
	Priority samples:	VI		ВА		PA		MG	oumpling.	НІ			
	Time sampling starts/ends:	10:3	0:00	11:0	0:00		Inspecto	r:		_	VMD No).	2
	Environmental conditions:	1	Indoors	2		3		4	_	5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	amples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-3	4-6										
	Pool Group												
	Species												
	Average weight	50g	50g										
	Sex												
	Water Type	FW	FW										
Stock Details		Kindrum Fanad	Kindrum Fanad										
S	I acility NO	A8	A5										

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

FHI 059, Version 13		Issued by: FHI			Date o	t issue	: 12/05/2020
Case Number:	2023-0478		Site No:	FS0264	I	nsp:	
Date of Visit	01/11/2023		No of 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	5
with GB) of susceptible species		novements on from equivalent zone or necluding third country	0	9	18	26	
·	Number of sup		0		10	14	5
Movements off	Frequency of n	novements off	l 0	3	6	10	10
Movemente on	Number of des		0		6	10	3
Exposure via water		Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or	•	0				0
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		
	farms upstrean	or in a coastal zone with category III n or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with 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	1			0
	Processing ow	n fish (re-cycling risk)	1				
	Processing fish	n from MS of equivalent status	2	1			
	Processing fish equivalent state	n from zone or compartment of us	4				
	Processing fish	n from Category III farm	8				
	Processing fish	n from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0	1			0
products	Common proce	esses with other farms	3	1			
	Collection poin	t for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	unpasteurised feed	0	i			0
·	Feeding unpas	•	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		0
	Sites sharing s	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator							
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0	1			0
	No		2]			
					Total Rank		23 MEDIUM

Case No:	2023-0478		Si	ite No:	FS0264	
Sea Lice Inspec	tion (Seawater Sites	Only)				
•	•	roblems in the previous 4	vears?			
	•	ea (or equivalent) fallowe	•	on a sing	le year class basis?	
azamethiphos ar		•			(including deltamethrin, nechanical control measures	S,
4. Is there a sign		management agreement	or statement rele	evant to th	ne site and CoGP Farm	
5. Are sea lice co	ount records available	for inspection? (Legal S	SI, CoGP Annex	6)		
					? (Legal SSI, CoGP Annex 6	5)
•	salmonis) record le ected? (CoGP Annex		I criteria for treati	ment in the	e CoGP during the period the	at
		(<i>L. salmonis</i>) numbers pg the period that records		level of 3	or above (prior to w/b 10/6/	19)
If yes, have these	e been reported to the	Fish Health Inspectorate	e? If no, FHI see	comment	•	
-	•				roblems? (CoGP 4.3.81, 5.3.	.50)
•					nis levels have exceeded the ications? (CoGP 4.3.82, 5.3.	
11. Has any other	er action been taken (v	where applicable)?				
12. Have therape	eutic treatments or the	actions taken had a sigr	nificant impact up	oon the lice	e levels recorded?	
13. Are treatmen	ts, where conducted,	carried out in cooperation	n between partici	ipating far	ms?	
14. Is there a har sea lice?	rvesting strategy for th	ne site, where fewer popu	ulations or part po	opulations	are held without treatment f	or
		management procedure value of a sea lice infesta		escribing s	et actions to deal with	
16. Do the sea lie	ce levels observed on	stocks reflect sea lice co	ount data? If no p	olease deta	ail reasons.	
Containment Ins	spection					
	•	t damage due to predator	rs in the current	or previous	s production cycles?	N
		gainst the predation expe			•	Y
2. 7 tro mododros	in place to magate a	gamet the production expe	oneneed on one.	(Betail be	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
If other, detail b	elow:					
Rentokil, tanks ir	ndoors and tank cover	rs on outside tanks.				
3. Have escape	incidents or events be	een experienced on or in	the vicinity of the	e site since	e the last FHI inspection?	N
If Yes proceed w	ith questions 4 – 9. If	No skip to question 10				
4. Have these be	en reported to Scottis	sh Ministers?				
5. Have these be	en reported to local D	SFB forthwith (where the	ey exist)? (CoGP	- 4.4.37,	5.4.17)	
6. Have these be	en reported to the SS	SPO and local fisheries tru	usts forthwith (wh	nere they	exist)? (CoGP – 4.4.37, 5.4.	17)
7. Were methods	s (if any) used to reco	ver escapees? If yes give	e detail			
9 If all note were	a danlayad was this a	ction agreed with least wi	ild fich interests	and wee	ormiceion divon by Coettish	
	e deployed was this a I, CoGP – 4.4.38, 5.4		iiu tish interests a	and was p	ermission given by Scottish	
		nd minimise the risk of fu	rther escapes? (Not covere	ed in code but could	
	•	measures of the Act)				
10. Is the site ins	pected as satisfactor	y with regards to contain	ment? If no, pleas	se detail re	eason(s)	Υ

Issued by: FHI

FHI 059, Version 13

Date of issue: 12/05/2020

Site No: FS0264

Case No: 2023-0478

Nature of non-compliance:

Action taken (FHI):

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

0 11	0000 0470				0.4/4.4/0.000			
Case No:	2023-0478	J		Date of visit	01/11/2023			
Site No:	FS0264	1		Inspector				
Results Summary	Freq.				te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Report Summary								
Case Type	Date	Insp	2 nd Insp					
ECI, VMD, CNI	22/11/2023							



SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0132
 Date of Visit
 01/11/2023

 Site No
 FS0264
 Site Name
 Inverpolly

 Case No
 20230478
 Inspector

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

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

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

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

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

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

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

Medicine records were inspected and found to be adequately maintained. Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

RO4 UKAS accredited testing laboratory No. 1964
Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Email - ms.fishhealth@gov.scot
Website - https://www.gov.scot/policies/fish-health-inspectorate/

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

On this occasion the site was found to be satisfactory.

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot</u> (www.gov.scot)

Date: 22/11/2023

FHI 059, Version 13	I	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0479			Date of visit: 01/11/2023
Time spent on site:	1 hours	Main Inspe	ector:
Site No: FS0621	Site Name:	Loch A Chairn Bhain	
Business No: FB0398	Business Name:	Loch Duart Ltd	
Case Types: 1 VMD	2 DIA 3	5 5	6
Water Temp (°C): 12.6	Thermometer No:	T155	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA M-6
Dead/weak/abnormally behaving	•		formation/clinical score sheet.
Clinical signs of disease observe	ed?		formation/clinical score sheet.
Gross pathology observed? Diagnostic samples taken?		Y if yes, see additional in	formation/clinical score sheet.
Diagnostio samples taken.			
UNI/REG only - if unable to carry	y out intended visit detail	reason below:	

Additional Case Information:

Mort reports weeks 11/9/23 1.01% seal predation; 2/10/23 2.15% Seal predation; 9/10/23 1.57 (updated to 2.15%)Seal predation. Site fitted with high-density polyethylene - HDPE pen nets & predator net

gill health treating - finished last Monday. FW treatment.

wrasse wild caught - Skye and Scourie and local. Not vaccinated

Harvests dead haul to Dingwall. Recorded in Fish Talk

Morts DHK waste - whole fish in skips at Badcall shore base - transfer notes- of movements off to Fordyce in Portsoy.

All fish on site from Loch Duart - Loch na Thule and Duart Mhor Hatchery

Morts wk 38 0.86%; wk39 0.98%; wk40 2.15%, wk 41 2.15% - seal predation and gill issues (wks 40 and 41)

fish taken for VMD on starve for FW wellboat treatment

Site inspection, and (supervised). Sampling observed by

FHI 059, Versio	n 13		Issued	by: FHI		Date of	issue: 12/05/2020
Case No:	2023-0479		Site No:	FS0621			
Date of Visit:		01/11/2023]		Inspector(s):		ı
Registration/A	uthorisation Detail	s					
	e details summary ch	necked by site	representativ	e?			
2. Changes ma	de to details?						
Site Details (in	clude cleaner fish	for all section	ns)				
Total No facilitie		14	Facilities stoo	cked	12	No facilities	12
Species	sal	wrasse					
Age group	S1 2023	adult					
No Fish	380,000	8,000					
	900g	85g					
Mean Fish Wt							
Next Fallow Da	te (Site)	Nov 2024		Next Input D	ate (Site)	March 2025	
Recent (last 4 v	wks) disease probler	ns?		Y	Any escapes	(since last visit)?	N
If yes, detail:	AGD						
 Date of last i Are records o Are moveme Are records o Are records o Are health co Transport Rec Are any mov 	complete and correct ent records available complete and correct ertificates for introduc- cords ements carried out to a system in place for	tly entered? for dead fish a tly entered? ctions (outwith	n GB) available	ness (not usin	ng a STB)?		27/04/2022 Y Y Y Y N/A
_	ords available for ins	pection?					Y
-	talities disposed of?	•			Other (detail)		
	see additional info						
	ords complete and c	orrectly entere	ed?				Y
•	ality (last 4 wks):	•		: wk39 0.98%	: wk40 2.15%	, wk 41 2.15%	
	recent increased/aty			,	,	,	Y
	yes, facility nos/no mortality per facility/no stock per facility/reason:						
Seal predation and gill health across the site							
6. Any other peaks in mortality during period checked?							
If yes, detail: Seal predation							
•	sed (unexplained) m	ortalities been	reported to ve	et or FHI?			N/A
If yes, detail ac							

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

Treatments and Medicines Records
1. Recent treatments (see comment)?
If yes, detail:
If other, detail:
2. Medicines records available for inspection?
3. Are records complete and correctly entered?
4. Are fish in a withdrawal period?
5. If yes, what treatment(s)?
If other, detail:
6. Are medicines stored appropriately?
Biosecurity Records
Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any
increased (unexplained) mortality at the site been included?
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed
disease is detected been included and how and when that will be notified to Scottish Ministers?
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or
higher health status, certification if required)?
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to
minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish
etc.)?
7. Is documentation available regarding the measures in place to maintain the physical containment of
aquaculture animals held on site?
8. Have the biosecurity procedures been adequately implemented on site?
If no, detail:
Results of Surveillance
1. Has any animal health surveillance been carried out by, or on behalf of, the business?
2. If yes, are results available for inspection?
3. Any significant results?
If yes, detail (if not detailed under recent disease problems).
Records checked between: 27/4/22- 31/10/23

П	11 059, Version 15							153	sueu by. r	111			
	Case no:	2023-04	179	Site No		FS0621			Date of v		01/1	1/2023	01/
	Priority samples:	VI		ВА		PA		MG		g. HI			
	Time sampling starts/ends:		00:00		0:00		Inspect	or:			VMD No). [22
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Y	ВА	Y	MG	Y	VI		PA		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4								
	Fish nos	1	2	3	4	5-6	7	8	9				
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL	SAL	SAL	SAL				
	Average weight	600g	600g	600g	600g	900g	900g	900g	900g				
	Sex												
	Water Type	SW	SW	SW	SW	SW	SW	SW	SW				
		t	۳ ا	t	+	t		t	اي				
Details	1	nal	la l	ual	na	nal	la	nai	La				
)et	1	٥١	ا و	סי	٥	٥١	ا و	۵۱	٥				
\overline{v}	Stock Origin	Loch Duart	Loch Duart	och Duart	Loch Duart								
toc	Facility No	<u>ت</u> 11	11	1				<u> </u>	2				
S	1 acinty 140	11	11	П	11	4	5	J	2				

_										,				
Addition	nal Sam	ple Infor	mation:											
1	Total To	ests ass	igned	3	l									
					Additional Sample Information: Total Tests assigned 3						Additional Sample Information:	Additional Sample Information:	Additional Sample Information:	Additional Sample Information:

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020

Case no:	2023-0479		Site No) :	FS062	1	Me	ethod of	killing:	Percus	sive
Date of visit:	01/11/2023	l	Inspec	tor(s):				s	heet Re	elevant:	Y
	ce: M for medium presence: W for v	veak pres	ence								
Fish Number		1	2								
Time sampled afte External Signs	er death (if > 45 minutes)		1 hour	1hour	1 hour						
Behaviour	Moribund										
	Lethargic	S	S	S	S						
	Hanging vertical										
	Spiralling										
	Flashing										
	Loss of equilibrium										
Body	Dark										
	Distended abdomen										
	Anorexic			М							
	Scale Oedema										
Opercula	Shortened										
Haarra anda anima	Flared										
Haemorrhaging	Throat Ventrum										
	Base of fins										
	Elsewhere										
Eyes	Exophthalmic										
Lyco	Enophthalmic (sunken)										
	Cataract										
	Haemorrhagic										
Gills	Pale	S	S	S	S						
	Zoned										
	Necrotic										
Lesions	Flank										
	Elsewhere										
Vent	Inflamed										
	Trailing faeces										
Lice Load	Estimate numbers	0	0	0	0						
Internal Signs											
Ascites	Clear										
	Bloody										
Oedema	In tissues										
Heart	Pale/anaemic										
	Granulomas										
	Deformed										
Liver	Petechial haem										
	Gross haem Tissue breakdown										
	Enlarged Colour number(s)										
	Granulomas										
	Lesions										
Pyloric caeca	Petechial haem										
,	Tubules mauve										
	Lack of fat										
Spleen	Enlarged		M								
	Granulomas										
Gut	No food present	S	S	S	S						
	Yellow pseudo-faeces		S								
	External haem										
	Internal haem										
Body wall	Haemorrhaging										
Swim bladder	Haemorrhaging										
	Fluid filled										
Kidney	Swollen										
	Grey										
	Granular										
	Liquefied										
General	Parasites present										
	Anaemia										

Case no: 2023-0479

Date of visit: 01/11/2023

S for strong presen Fish Number	ice: M for medium presence: W for	W					_
	er death (if > 45 minutes)						
External Signs	er death (ii > 45 illilidtes)						
Behaviour Separate	Moribund						
Denaviour	Lethargic						
	Hanging vertical						
	Spiralling						
	Flashing						
	Loss of equilibrium						
Body	Dark						
	Distended abdomen						
	Anorexic						
	Scale Oedema						
Opercula	Shortened						
	Flared						
Haemorrhaging	Throat						
	Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
	Zoned						
	Necrotic						
Lesions	Flank						
	Elsewhere						
Vent	Inflamed						
	Trailing faeces						
Lice Load	Estimate numbers						
Internal Signs							
Ascites	Clear						
	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
	Granulomas						
	Deformed						
Liver	Petechial haem						
	Gross haem						
	Tissue breakdown						
	Enlarged Colour number(s)						
	Granulomas						
Pyloric caeca	Lesions Petechial haem						
yione caeca	Tubules mauve						
	Lack of fat						
Spleen	Enlarged Enlarged						
ορισσι	Granulomas						
Gut	No food present						
out	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
Zamin Middadol	Fluid filled						
Kidney	Swollen						
uiioj	Grey						
	Granular						
	Liquefied						
General	Parasites present						
	Anaemia						

Case No:	2023-0479			Date of visit:	01/11/2023	3		
Site No:	FS0621	J		Inspector:				
Results Summary	Freq.			Da	te of Notifica	ation		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
AGD PCR	4/4	07/11/2023		07/11/2023		30/11/2023	3	
HN PCR	0/4	07/11/2023		07/11/2023		30/11/2023	3	
IPN PCR	0/4	07/11/2023		07/11/2023		30/11/2023	3	
SA PCR	0/4	07/11/2023		07/11/2023		30/11/2023	3	
PNST PCR	4/4	07/11/2023		07/11/2023		30/11/2023	3	
CMS PCR	0/4	07/11/2023		07/11/2023		30/11/2023	3	
SPV PCR	4/4	07/11/2023		07/11/2023		30/11/2023	3	
SAV PCR	0/4	07/11/2023		07/11/2023		30/11/2023		
VHS PCR	0/4	07/11/2023		07/11/2023		30/11/2023		
Pseudomonas	4/4	14/11/2023						
flurescens						30/11/2023	3	
CGDH	4/4	20/11/2023		20/11/2023		30/11/2023	3	
EPIT	2/4	20/11/2023		20/11/2023		30/11/2023	3	
GPAT	4/4	20/11/2023		20/11/2023		30/11/2023	3	
PISH	4/4	20/11/2023		20/11/2023		30/11/2023	3	
		20////2020		20/11/2020				
		 						
	+	 						
		1						
		1						
		 						
Report Summary								
Case Type	Date	Insp	2 nd Insp					
Diag	30/11/2023							
VMD	30/11/2023							



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0398 DATE OF VISIT 01/11/2023

SITE NO FS0621 SITE NAME Loch A Chairn Bhain

CASE NO 20230479 INSPECTOR

Section 1: Summary

Loch A Chairn Bhain was visited for a routine inspection. During the inspection of the pens four fish were removed for diagnostic examination.

Histopathology examination revealed complex pathology. There was pathology consistent with salmonid rickettsial septicaemia (SRS), which was confirmed via qPCR. Gills displayed multifocal, mild, hyperplasic branchitis. Epitheliocystis (likely *Brachiomonas* sp.) was also observed. Gills tested positive by PCR for *Paranucleospora theridion*, salmon gill poxvirus and *Neoparamoeba perurans*.

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

Loch A Chairn Bhain was visited for a routine inspection. Mortality levels for the site had been above the reporting threshold for the previous two weeks at 2.15% and had been attributed to seal predation and gill issues. On inspection of the pens several moribund and lethargic fish were observed in the corners. Four were removed for diagnostics examination.

Externally all fish displayed pale gills with white patches. Fish 3 was under weight and fish 4 had a spinal deformity near the tail.

Internally, fish 2 had an enlarged spleen and none of the fish had food present in the gut. Yellow pseudo faeces were present in the gut of fish 2. Fish 2, 3 and 4 had adhesions in the body cavity.

<u>Samples</u>

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

r	Fish number	Facility number	Species	Stage	Origin
	1-4	11	Atlantic salmon	2023 S1 @600g	Loch Duart

Results

Bacteriology: Kidney and gill material from four fish were inoculated onto appropriate media for the isolation of bacteria.

Pseudomonas fluorescens was identified on plates taken from gill material of all 4 fish. The level and purity of growth would not suggest this bacterium would be implicated as a primary pathogen.

Tissue samples from F1 and F2 were tested for segments of nucleic acid indicative of the presence of the pathogens specified below using real-time PCR (qPCR).

Piscirickettsia salmonis

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	22.47	23.83	23.81	23.74	POSITIVE
F2	22.95	26.84	26.84	26.91	POSITIVE

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	21.85	26.57	26.39	26.50	POSITIVE
F2	22.24	24.48	24.49	24.53	POSITIVE
F3	22.36	25.20	25.10	25.08	POSITIVE
F4	22.69	27.58	27.48	27.59	POSITIVE

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

Parasitology:

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

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F1	21.85	31.38	31.16	31.27	POSITIVE
F2	22.24	31.67	31.58	31.86	POSITIVE
F3	22.36	30.90	30.92	30.88	POSITIVE
F4	22.69	32.25	32.12	32.52	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Cp Values		Reported Result (PCR)
F1	21.85	25.88	25.86	25.86	POSITIVE
F2	22.24	24.09	24.21	24.22	POSITIVE
F3	22.36	25.06	24.98	25.06	POSITIVE

F4	22.69	26.34	26.36	26.41	POSITIVE
----	-------	-------	-------	-------	----------

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

Histopathological examination revealed the following:

<u>Gill:</u> Filament hyperplasia and lamellar fusion, multifocal to diffuse, mild to marked (F1, F2, F3, F4) and several basophilic epithelial inclusions (likely epitheliocystis) (F3, F4). F2 also displayed vascular disturbances and evidence of erythrophagocytosis. Presence of few round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) with necrosis at the centre of the filament observed in F1, F2, F3. Some lamellar telangiectasia with multifocal thrombosis (F4). Free blood among gill filaments (F1, F2).

Skin & Muscle: Within the normal range.

<u>Heart:</u> Minor to mild, multifocal myocarditis (F1, F2, F4). Mild epicarditis (F1, F2). Bulbus with an influx of inflammatory cells with presence of round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.).

<u>Gut and pyloric caeca:</u> Peritonitis, minor, (F1, F3) with necrosis and presence of few round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F2).

Pancreas: Within the normal range.

<u>Liver:</u> Hepatocellular necrosis, mild, multifocal (F1, F2, F3) with presence of few round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F1, F3).

<u>Kidney:</u> Interstitial cell (haemopoietic) necrosis, mild to moderate, multifocal, and few intracellular round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.) (F1, F2, F3, F4), these bacteria stain Gram-negative. Some renal tubules displayed hyaline droplets (F1) and some eosinophilic amorphic material also observed (F3).

<u>Spleen:</u> Necrosis, multifocal, mild (F2, F3) with presence of few to several intracellular round blue structures resembling bacteria that stained Gram-negative (likely *Piscirickettsia* sp.). Capsulitis (F2) with few round blue structures resembling bacteria (likely *Piscirickettsia* sp.) (F2). Cuffing (F1). Evidence of some erythrophagocytosis (F1).

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 Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

Date: 30/11/2023



SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0398 Date of Visit 01/11/2023

SITE NO FS0621 SITE NAME Loch A Chairn Bhain

CASE NO 20230479 INSPECTOR

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

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

Samples were taken to be analysed for veterinary residues.

In addition, samples were taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

Records

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

Medicine records were inspected and found to be adequately maintained.

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

Mortality records were inspected and found to be adequately maintained.

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

Signed:

Fish Health Inspector

Date: 30/11/2023

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)









FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020
Case No: 2023-0485			Date of visit: 01/11/2023
Time spent on site:	minutes	Main Inspecto	r:
Site No: SS0976 Business No: SB0430	Site Name: Business Name:	Basta North Blueshell Mussels Ltd	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 9.29	Thermometer No:	T310	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional infor	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail rea	son below:	

Additional Case Information:

Used as an ongrowing site. Once some stock is harvested next year, more stock will be moved onto site.

Physical inspection of site showed healthy mussel growth on the lines with very little fouling.

FHI 059, Version 13		_	Issu	ed by: FHI	_		Date of issue	e: 12/05/2020
Case No:	2023-0485		Site No:	SS0976				
Date of Visit:		01/11/2023	3		Inspector(s):			
Registration/Autho	risation Deta	nils						
1. Business/site deta			ite representa	ative?			Υ	
2. Changes made to	details?	·					N	
Site Details (includ	e cleaner fisl	h for all sect	ions)					
Total No facilities		9	Facilities sto	cked	9	No facilities	s inspected	9
Species	MED	MED	r dominos ste	Jekou		TTO TOOMING	Пороской	
Age group	2020	2022						
No Fish	1 line	8 lines						
Mean Fish Wt	50-60mm	20-30mm						
Next Fallow Date (S		Continous cy	ycle	Next Input Da	te (Site)	At least en	d 2024/ Begir	ning 2025
Recent (last 4 wks)	disease proble	ems?		N	Any escapes	(since last v	visit)?	N
If yes, detail:								
3. Are records comp 4. Are movement red 5. Are records comp 6. Are health certificators Transport Records 1. Are any movement If yes, is there a systematical	cords availablute and corrested at the state of the state	e for dead fisectly entered? luctions (outwood)	sh and waste? ? vith GB) availa half) of the bu	able? usiness (not usi				N/A N/A N/A
Mortality Records								
1. Mortality records a		•		,				N/A
2. How are mortalitie					Other (detail)			
	Empty shells							N/A
 Mortality records of Recent mortality (correctly enti		d manager ality (IN/A
5. Evidence of recer	,	typical morta	No observed	a mortality				N/A
If yes, facility nos/no		•		/reason:				IN/A
11 yes, racility 1103/110	mortality per	Tacility/110 Stc	ock per racinty	ricasori.				
6. Any other peaks in	n mortality du	ring period ch	necked?					N/A
If yes, detail:		д ролюсь ол						
7. Have increased (u	ınexplained) r	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:	,		•					
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on morta	ality events sh	neet.		N/A

Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
Medicines records available for inspection?		
3. Are records complete and correctly entered?		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
, , , , , , , , , , , , , , , , , , , ,		
Biosecurity Records		
Biosecurity records available for inspection?	l l	Y
2. Has the manner and frequency of mortality removal, recording and	l safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish M	·	
increased (unexplained) mortality at the site been included?	, , , , , , , , , , , , , , , , , , ,	Y
4. Has the action that will be taken in the event that the presence or	suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to		Y
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 betw	een each epidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visitors, e	quipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to ma	intain the physical containment of	Y
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately implemented or	site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or on beh	alf 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: 10/08/2	023 - 01/11/2023	

issued by: FHI			Date	or issue: 12		
2023-0485 Site No:	SS097	6				
01/11/2023 Inspector:						
ole species on site						
. , ,				0		
· · · · · · · · · · · · · · · · · · ·				3		
Susceptible to OsHV (CGI)		0	3	0		
xcursion	1	2-5	>6			
Number of sites holding susceptible species within a tidal excursion	0	2	10	2		
nents	0	1-2	>3			
Frequency of movements on from equivalent MS	0	5	10	U		
Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0		
Number of suppliers	0	5	10	0		
Frequency of movements off within MSS Management Areas	0	1	2	0		
Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0		
Number of destinations	0	3	6	0		
	None	Secure (effluent treatment)	Unsecure (no effluent treatment)			
Depuration of stock from own sites within MSS management area	0	1	2	0		
Depuration of stock from other businesses sites within MSS management area	0	2	6	0		
Depuration of stock from sites outwith MSS management area	0	4	8	0		
Number of sites	1	2 or 3	≥ 4			
Sites operating from single shorebase	0	1		2		
Sites sharing staff and equipment	0	1	5	5		
		Yes	No			
Disinfection of equipment between sites, use of footbath	is etc	0	2	2		
		Total Risk		14 LOW		
	2023-0485 Site No: 01/11/2023 Inspector: ole species on site les present = LOW risk present, score for each pathogen Susceptible to Bonamia ostrea (OED) Susceptible to Marteilia refringens (OED, MED) Susceptible to OsHV (CGI) **Cursion Number of sites holding susceptible species within a tidal excursion **Prequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Number of sites Sites operating from single shorebase Sites sharing staff and equipment	2023-0485 Site No: O1//11/2023 Inspector: Inspecto	Site No: SS0976	Dispection Dis		

Case No:	2023-0485			Date of visit:	01/11/2023			
Site No:	SS0976]		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
	· .	Database	Insp	Phone	Insp		Insp	2 nd Insp
	↓							
			-					
	+							
	 		-					
	+							
	†							
	 							
Report Summary	1		I	1				
Case Type	Date	Insp	2 nd Insp					
Case Type ECI	21/11/2023		2 11100					
	 							
	+							
	+							
	1							
	1							



SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0430 Date of Visit 01/11/2023
Site No SS0976 Site Name Basta North
Case No 20230485 Inspector

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

The surveillance frequency category of the site was assessed as 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 appeared to be adequately maintained.

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

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

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

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

Signed:

Fish Health Inspector

FHI 059, Version 13	Iss	ued by: FHI	Date of issue: 12/05/2020			
Case No: 2023-0486			Date of visit: 01/11/2023			
Time spent on site:	minutes	Main Inspect	or:			
Site No: SS0816 Business No: SB0430	Site Name: Business Name:	Crying Taing Blueshell Mussels Ltd				
Case Types: 1 ECI 2	3	4 5	6			
Water Temp (°C): 8.88	Thermometer No:	T310	FHI 045 completed			
Observations:	Region: SH	Water type: S	CoGP MA:			
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N						
UNI/REG only - if unable to carry	out intended visit detail re	ason below:				

Physical inspection of site showed very sparse growth on the ropes due to the large volume of sea squirts. Any mussels present are of good size with little fouling on the shells. Manager is classing this year as a failed spatfall and believes the type of rope may be why sea squirts have been able to dominate/out compete the mussels. Site will be stripped and new rope put in next year in hopes of better spatfall.

FHI 059, Version 13			Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0486		Site No:	SS0816				
Date of Visit:		01/11/2023]		Inspector(s):			
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y]
2. Changes made to	uetalis :						T	J
Site Details (includ	e cleaner fis	h for all sect	_					
Total No facilities		5	Facilities sto	cked	2	No facilitie	s inspected	5
Species Age group	MED							
No Fish	2021/2022 2 lines							
140 1 1011	Approx.							
Mean Fish Wt	50mm							
Next Fallow Date (S		Continuous	cycle	Next Input Da	ate (Site)	Natural sp	atfall Spring 2	2024
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	•							
Movement record		r inepaction?						Y
2. Date of last inspe		inspection:					08/08/2019	
3. Are records comp		ectly entered?	>				00,00,2010	Y
4. Are movement re				•				N/A
5. Are records comp	lete and corre	ectly entered?	?					N/A
6. Are health certific	ates for introd	uctions (outw	vith GB) availa	able?				N/A
T								
Transport Records 1. Are any movement		by for on bo	half) of the hi	usinoss (not us	ing a STD\2			
If yes, is there a sys		• '		•	· ·			
ii yee, ie triere a eye	tom in place i	or maintenan	oc or transpor	ration records	•			
Mortality Records								
1. Mortality records	available for ir	nspection?						N/A
2. How are mortalitie	<u> </u>				Other (detail)			
If other detail:	Empty shells							N 1/A
3. Mortality records	•	correctly ent						N/A
 Recent mortality (Evidence of recer 	•	typical mortal	No observed	mortalities				N/A
If yes, facility nos/no				/reason:				14/74
, 555, 14511115, 1155/116	ortanty por		on por radiity	,				
6. Any other peaks i	n mortality du	ring period ch	necked?					N/A
If yes, detail:								
7. Have increased (unexplained) ı	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on mort	tality events sh	neet.		N/A

Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		
3. Are records complete and correctly entered?		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recording a	nd 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 o	suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to		Y
5. Has the health status of aquaculture animals being stocked on the	ne farm site been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemented bet	,	Y
transmission of disease been covered (movement of staff, visitors,	· · · · · · · · · · · · · · · · · · ·	V
7. Is documentation available regarding the measures in place to m	aintain 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		N.I.
1. Has any animal health surveillance been carried out by, or on be	half 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).		
	100.40	
Records checked between: 08/08	/2019 - 1/11/2023	

12/05/2020

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12				
Case Number:	2023-0486 Site No:	SS081	6						
Date of Visit	01/11/2023 Inspector:								
Number of Susceptib	ole species on site								
	ies present = <u>LOW</u> risk								
If susceptible species	present, score for each pathogen		No	Yes					
	Susceptible to Bonamia ostrea (OED)		0	25	0				
	Susceptible to Marteilia refringens (OED, MED)		0	3	3				
	Susceptible to OsHV (CGI)		0	3	0				
Sites within a tidal ex	xcursion	1	2-5	>6					
Site contacts	Number of sites holding susceptible species within a tidal								
	excursion	0	2	10	2				
Live shellfish movem	nents	0	1-2	>3					
Movements on	Frequency of movements on from equivalent MS	0	5	10	0				
	Frequency of movements on from equivalent zone or								
	compartment including third country	0	10	20	0				
	Number of suppliers	0	5	10	0				
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	2				
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	2	6	0				
	Number of destinations	0	3	6	0 6				
	Transcript descriptions								
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)					
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0				
	Depuration of stock from other businesses sites within	Ū		_					
	MSS management area	0	2	6	0				
	Depuration of stock from sites outwith MSS management								
	area	0	4	8	0				
Biosecurity	Number of sites	1	2 or 3	≥ 4					
Contacts with other	Sites operating from single shorebase	0	1	2	2				
sites	Sites sharing staff and equipment	0	1	5	5				
			Yes	No					
	Disinfection of equipment between sites, use of footbath	s etc	0	2	2				
			Total Risk		22 MEDIUM				

Case No:	2023-0486			Date of visit:	01/11/2023			
Site No:	SS0816]		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
,	i i	Database	Insp	Phone	Insp		Insp	2 nd Insp
	↓							
			-					
	+							
	 		-					
	+							
	†							
	 							
Report Summary	1		I	1				
Case Type	Date	Insp	2 nd Insp					
Case Type ECI	21/11/2023		2 11100					
	 							
	+							
	+							
	1							
	1							



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 DATE OF VISIT 01/11/2023
SITE NO SS0816 SITE NAME Crying Taing
CASE NO 20230486 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

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

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

Signed:

Fish Health Inspector

FHI 059, Version 13	Issu	ed by: FHI	Date of issue: 12/05/2020			
Case No: 2023-0487			Date of visit: 01/11/2023			
Time spent on site:) minutes	Main Inspec	tor:			
Site No: SS0572 Business No: SB0430	Site Name: Business Name:	Lea Cro Blueshell Mussels Ltd				
Case Types: 1 ECI 2	2 3	4 5	6			
Water Temp (°C): 8.96	Thermometer No:	T310	FHI 045 completed			
Observations:	Region: SH	Water type: S	CoGP MA:			
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N N						
UNI/REG only - if unable to carry	out intended visit detail rea	son below:				

Physical inspection of site showed very sparse growth on the ropes due to the large volume of sea squirts. Any mussels present are of good size with little fouling on the shells. Manager is classing this year as a failed spatfall and believes the type of rope may be why sea squirts have been able to dominate/out compete the mussels. Site will be stripped and new rope put in next year in hopes of better spatfall.

FHI 059, Version 13	3		Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0487		Site No:	SS0572				
Date of Visit:		01/11/2023	1		Inspector(s):			
Registration/Author	orisation Deta	nils						
1. Business/site det			ite representa	ative?			Υ	
2. Changes made to	o details?						Υ	
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		7	Facilities sto	cked	7	No facilities	inspected	7
Species	MED							
Age group	2020							
No Fish	6.8 lines							
Mean Fish Wt	50-60mm							
Next Fallow Date (S	Site)	Continuous of	cycle	Next Input Da	te (Site)	Spring 2024	4	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last v	isit)?	N
If yes, detail:								
Movement Record	ls							
Movement record		r inspection?						Y
2. Date of last inspe							08/08/2019	
3. Are records com		ectly entered?)					Y
4. Are movement re	•	•		•				N/A
5. Are records com	plete and corre	ectly entered?	>					N/A
6. Are health certific	•	•		able?				N/A
Transport Records	s							
1. Are any moveme		by (or on be	half) of the bu	usiness (not usi	ng a STB)?			
If yes, is there a sys		• `		,	· ·			
Mortality Records								
Mortality records		nspection?						N/A
2. How are mortaliti					Other (detail))		
If other detail:	Empty shells		d		(((
3. Mortality records								N/A
4. Recent mortality	· ·	·	No observed	d mortality				
5. Evidence of rece	nt increased/a	typical mortal						N/A
If yes, facility nos/no	o mortality per	facility/no sto	ck per facility	/reason:			_	
6. Any other peaks	in mortality du	ring period ch	necked?					N/A
If yes, detail:		3						
7. Have increased (•	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:		oortool to Elli	Olf no antar	dotoilo ca as as	olitu ovente el	noot.		N/A
8. Have 'mortality e	venis been re	ported to FHI	r ii no, enter	details on mort	anty events sr	ieet.		IN/A

Treatments and Madisines Decode	
Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	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?	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: 08/08/2019 - 1/11/2023	

FHI 059, Version 13	issued by: FHI			Date	or issue: 12
Case Number:	2023-0487 Site No:	SS057	2		
Date of Visit	01/11/2023 Inspector:				
Number of Susceptib	ole species on site				
	ies present = <u>LOW</u> risk			.,	
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	2
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	U
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	2
	Frequency of movements off outwith MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	6
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	2
sites	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbath	is etc	0	2	2
			Total Risk		22 MEDIUM

Case No:	2023-0487			Date of visit:	01/11/2023			
Site No:	SS0572	1		Inspector:		ı		
Results Summary	Freq.	Date of Notification						
	· ·	Database	Insp	Phone	Insp		Insp	2 nd Insp
	<u> </u>							
Report Summary				1				
Cose Type	Date	Inon	ond I	-				
Case Type ECI	13/11/2023	Insp	2 nd Insp					
LOI	13/11/2023							



SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0430
 Date of Visit
 01/11/2023

 Site No
 SS0572
 Site Name
 Lea Cro

 Case No
 20230487
 Inspector

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

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

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

Signed:

Fish Health Inspector

FHI 059, Version 13	Iss	ued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0488			Date of visit: 01/11/2023
Time spent on site:) minutes	Main Inspect	or:
Site No: SS0815 Business No: SB0430	Site Name: Business Name:	Stany Pund Blueshell Mussels Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 8.51	Thermometer No:	T310	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail re	ason below:	

Physical inspection of the lines showed healthy mussel growth with little fouling.

FHI 059, Version 13	3		Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2023-0488		Site No:	SS0815]			
Date of Visit:		01/11/2023	1		Inspector(s):			l
Registration/Author	orisation Deta	nils						
1. Business/site det			ite representa	ative?			Υ	1
2. Changes made to	o details?						N	1
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		4	Facilities sto	cked	4	No facilities	sinspected	4
Species	MED							
Age group	2020							
No Fish	3.1 lines							
Mean Fish Wt	20-60mm							
Next Fallow Date (S	Site)	Continuous (cycle	Next Input Da	te (Site)	Spring 202	4	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last v	visit)?	N
If yes, detail:								
Movement Record	ls							
1. Movement record	ds available fo	r inspection?						Y
2. Date of last inspe		•					08/08/2019	
3. Are records com		ectly entered?	?					Y
4. Are movement re	ecords availabl	e for dead fis	h and waste?					N/A
5. Are records com	plete and corre	ectly entered?	?					N/A
6. Are health certific	cates for introd	luctions (outw	vith GB) availa	able?				N/A
Transport Records	s							
1. Are any moveme		by (or on be	half) of the bu	usiness (not usi	ing a STB)?			
If yes, is there a sys		• `		•	· ·			
Mortality Records								
Mortality records		nspection?						N/A
2. How are mortaliti		•			Other (detail))		
If other detail:	Empty shells		d		,			
3. Mortality records								N/A
4. Recent mortality	(last 4 wks):		No observed	d mortality				
5. Evidence of rece	nt increased/a	typical mortal		,				N/A
If yes, facility nos/no	o mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks	in mortality du	rina period ch	necked?					N/A
If yes, detail:		01						
7. Have increased (•	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:		a a who al ta Fill	0 16 ma	detelle '	ality average at			NI/A
8. Have 'mortality e	venis been re	ported to FHI	r ii no, enter	details on mort	anty events sr	ieet.		N/A

Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		
3. Are records complete and correctly entered?		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recording a	nd 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 o	suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to		Y
5. Has the health status of aquaculture animals being stocked on the	ne farm site been covered (equal or higher	Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures implemented bet	,	Y
transmission of disease been covered (movement of staff, visitors,	· · · · · · · · · · · · · · · · · · ·	V
7. Is documentation available regarding the measures in place to m	aintain 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		N.I.
1. Has any animal health surveillance been carried out by, or on be	half 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).		
	100.40	
Records checked between: 08/08	/2019 - 1/11/2023	

FHI 059, Version 13	issued by: FHI			Date	or issue: 12
Case Number:	2023-0488 Site No:	SS081	5		
Date of Visit	01/11/2023 Inspector:			1	
Number of Susceptib	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal ex	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	2
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	2
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0
	Number of destinations	0	3	6	6
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	2
sites	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbath	ns etc	0	2	2
			Total Risk		22 MEDIUM

Case No:	2023-0488			Date of visit:	01/11/2023			
Site No:	SS0815	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notifica	tion		
Í	i i	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	 							
Poport Summers				1				
Report Summary	Doto	Inon	ond I					
Case Type ECI	Date 13/11/2023	Insp	2 nd Insp					
LOI	13/11/2023							
	 							
	1							



SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0430
 Date of Visit
 01/11/2023

 Site No
 SS0815
 Site Name
 Stany Pund

 Case No
 20230488
 Inspector

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

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

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

Signed:

Fish Health Inspector

FHI 059, Version 13	Iss	ued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0489			Date of visit: 01/11/2023
Time spent on site:) minutes	Main Inspe	ector:
Site No: SS0854 Business No: SB0337	Site Name: Business Name:	Lee of Vollister Cribba Sound Ltd	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 9.17	Thermometer No:	T310	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional in	formation/clinical score sheet. formation/clinical score sheet. formation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail re	ason below:	

Physical inspection revealed healthy mussel growth on the 2 fully stocked lines with little fouling.

FHI 059, Version 13	3		Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0489		Site No:	SS0854				
Date of Visit:		01/11/2023	1		Inspector(s):			ı
Registration/Author	orisation Deta	nils						
1. Business/site det			ite representa	ative?			Υ	1
2. Changes made to	o details?						N	<u> </u>
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		4	Facilities sto	cked	2	No facilities	sinspected	4
Species	MED							
Age group	2020							
No Fish	2 lines							
Mean Fish Wt	50-80mm							
Next Fallow Date (S	Site)	Continuous (cycle	Next Input Da	te (Site)	Spring 202	4	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last v	∕isit)?	N
If yes, detail:								
Movement Record	ls							
1. Movement record	ds available fo	r inspection?						Y
2. Date of last inspe		•					08/08/2019	
3. Are records com		ectly entered?	>					Y
4. Are movement re	ecords availabl	e for dead fis	h and waste?					N/A
5. Are records com	plete and corre	ectly entered?	?					N/A
6. Are health certific	cates for introd	luctions (outw	vith GB) availa	able?				N/A
Transport Records	s							
1. Are any moveme		by (or on be	half) of the bu	usiness (not usi	ing a STB)?			
If yes, is there a sys		• `		· ·				
Mortality Records								
Mortality records		nspection?						N/A
2. How are mortaliti		•			Other (detail)			
If other detail:	Empty shells		d		,			
3. Mortality records								N/A
4. Recent mortality	(last 4 wks):		No observed	d mortality				
5. Evidence of rece	nt increased/a	typical mortal						N/A
If yes, facility nos/no	o mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks	in mortality du	ring period ch	necked?					N/A
If yes, detail:								
7. Have increased (•	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:		a a who al ta Fill	0 16 ma	detelle '	alita a santa al			NI/A
8. Have 'mortality e	vents been re	ported to FHI	? if no, enter	details on mort	ality events sh	ieet.		N/A

Treatments and Medicines Records	_	
Recent treatments (see comment)? If you detail:		
If yes, detail: If other, detail:		
Medicines records available for inspection?		
Are records complete and correctly entered?	_	
4. Are fish in a withdrawal period?	_	
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?	_	
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recording	ng and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scott		
increased (unexplained) mortality at the site been included?		Y
4. Has the action that will be taken in the event that the present	ce or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notifi	•	Y
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, visit	tors, 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 implement	nted on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or or	n 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: 08	8/08/2019 - 1/11/2023	

FHI 059, Version 13	issued by: FHI			Date	or issue: 12
Case Number:	2023-0489 Site No:	SS085	4		
Date of Visit	01/11/2023 Inspector:				
Number of Susceptik	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal ex	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	2
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	1
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	
	Number of destinations	0	3	6	3
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	2
sites	Sites sharing staff and equipment	0	1	5	5
			Yes	No	
	Disinfection of equipment between sites, use of footbath	ns etc	0	2	2
			Total Risk		18 MEDIUM

Case No:	2023-0489			Date of visit	:: 01/11/202	3		
Site No:	SS0854]		Inspector	:			
Results Summary	Freq.			Da	ate of Notifica	ation		
ŕ	· ·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	+							
					-			
	_							
	+							
Report Summary								
Case Type	Date	Insp	2 nd Insp					
ECI	13/11/2023	_						
	+							
	1							
	1							



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0337

SITE NO SS0854

CASE NO 20230489

DATE OF VISIT 01/11/2023

SITE NAME Lee of Vollister

INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

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

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

Signed:

Fish Health Inspector

Date: 21/11/2023

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)</u>

FHI 059, Version 13	ĺ	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0492			Date of visit: 17/11/2023
Time spent on site: 4.	5hrs	Main	Inspector:
Site No: FS0590 Business No: FB0169	Site Name: Business Name:	Glenan Bay Bakkafrost Scotland	
Case Types: 1 ECI 2	2 CNI 3 SLI	4 VMD 5	6
Water Temp (°C): 10.97	Thermometer No:	T307	FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA: M-42
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:	

Previous cycle fallowed out 14/06/2023. Fish input to site wk39 2023 from Migdale, Harris Lochs and Heb Smolt.

Came on with fungus, initial high morts on input - ~11% in the first 12 days. Risk assessesment in place for transfer of fish with fungus from all stock inputs.

Transport records observed. No issues. Movement of wrasse noted.

Caligus not deemed an issue on site. From treatment records, last slice treatment was conducted on 23/10/2023, with all pens done on the same day.

Fish sampled for VMD were in very good condition and were seen to be healthy. No moribund fish were observed during the site inspection.

2023 (previous cycle/wrasse mortality: black losses):

Wk5, 1703, 11.66%

Wk6, 4111, 31.87%

Wk7, 2566, 29.20%

Wk9, 2743, 43.31%

Wk10, 2665,74.21%

Wk12, 738, 79.78%

No current plan to use wrasse on site for this cycle.

FHI 059, Version 13	ı		Issu	ued by: FHI			Date of issu	ıe: 12/05/20)20
Case No:	2023-0492]	Site No:	FS0590]				
Date of Visit:		17/11/2023	1		Inspector(s):				
Registration/Author	orisation Deta	ails							
1. Business/site deta	ails summary	checked by s	ite represent	ative?			Υ	1	
2. Changes made to	-						N	1	
Site Details (includ	le cleaner fis	h for all sect	ions)						
Total No facilities		14	Facilities sto	ocked	13	No facilities	s inspected	14	
Species	SAL								
Age group	2023 S3			1				1	
No Fish	590,916								
Mean Fish Wt	325g								
Next Fallow Date (S		April/May 20	25	Next Input Da	ate (Site)	August 202	25		
Recent (last 4 wks)	•				Any escapes				Ν
If yes, detail:			ed mortalities	on input (first 2			,	•	
,									
Movement Record	s								
1. Movement record	ls available fo	r inspection?							Υ
2. Date of last inspe							11/05/2021	•	
3. Are records comp		ectly entered?	,				,	T	Υ
4. Are movement re				?					Y
5. Are records comp									Ÿ
6. Are health certific		•		able?				N	J/A
o. Alle ficaliti dellino		addions (odtw	nui OB) avail	abic:					.,, .
Transport Records									
1. Are any movement		it by (or on be	half) of the h	usiness (not us	ing a STR)?				Υ
If yes, is there a sys									·
ii yes, is there a sys	terri iri piace i	or maintenan	ce or transpo	rialion records	· ·				
Mortality Records									
1. Mortality records	available for i	nspection?							Y
2. How are mortalities	es disposed o	of?			Other (detail)				
If other detail:	Taken to Ma	ain base Stron	ahulin and th	nen to Dundas (Chemicals				
3. Mortality records	complete and	correctly enter	ered?						Υ
			2023: Wk 4	5, 269, 0.05%;	Wk44, 323, 0.	.05%; Wk43	, 610, 0.10%	Wk42, 949	Э,
4. Recent mortality	(last 4 wks):		0.16%						
5. Evidence of recer	nt increased/a	atypical mortal	ities?						Ν
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	y/reason:					
6. Any other peaks i	in mortality du	ring period ch	necked?						Υ
, '		<u> </u>		447, 9.39%; W	41, 26223, 4,2	23% (all with	in 6 weeks o	f	
				22 (previous cyc					
If yes, detail:		•	,	in 2023: see ad	,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110070,	
7. Have increased (I N	J/A
If yes, detail action:								•	
8. Have 'mortality ev	vents' been re	ported to FHI	? If no. enter	details on more	tality events sh	neet.		T	Υ

Troduitorito dila invalonito recovido	
1. Recent treatments (see comment)?	Y
If yes, detail: T.M.S.	
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	Y
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	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	
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?	
5. Any significant results? Fungus on input; transferred from mig	idale lochs
heb smolt and harris loch (risk assess	•
If yes, detail (if not detailed under recent disease problems).	one in
, , , , , , , , , , , , , , , , , , ,	
Records checked between: 11/05/2021-17/11/2023	

٠.	ii 000, version 10					issued by. I ill							
	Case no:	2023-04	192	Site No:		FS0590			Date of		17/	11/2023	17/
	Priority samples:	VI		ВА		РА		MG	Samplin	g: HI			
	Time sampling starts/ends:	11:1	5:00	12:0	0:00		Inspect	or:			VMD No	o.	15
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST		ВА		MG		VI		РА		Total Sa	mples
A	dd Fish/Pools - click												
	Pool/Fish No												
	Fish nos	1-4	5-8	9-12	13-14	15-16	17-20	21-24					
	Pool Group												
	Species	SAL		SAL	SAL	SAL	SAL	SAL					
	Average weight	325g	325g	325g	325g	325g	325g	325g					
	Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
	Water Type	SW	SW	SW	SW	SW	SW	SW					
Stock Details		Loch Damph (FS0375)	Loch Na Shibaidh Mhor (FS0069)	Loch Langavat (FS0149)									
S	acility NO	1	2	4	1	9	11	12					

rni 059, veisio	טו ווע								155	sueu by.	ЕПІ		
11/2023 Additio	11/2023 Additional Sample Information:												
0	Total T	ests ass	igned	0	l								

FHI 059, Version 13		Issued by: FHI			Date o	of issue	: 12/05/2020
Case Number:	2023-0492		Site No: FS0590			Insp:	
Date of Visit	17/11/2023		No of me	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 including third country	0	9	18	26	0
	Number of sup		0			14	0
Movements off	Frequency of m	novements off	1 0	3	6	10	10
movemente en	Number of des		0		6	10	3
Exposure via water	•	Site contacts	0	1-5	6-10		
Water contacts with other farms (holding species	disinfection or I		0				
susceptible to same diseases)	farms upstrean	or in a coastal zone with category I or within 1 tidal excursion	1	2	4		2
	farms upstrean	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V n or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro		0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent state	from zone or compartment of us	4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0				
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	npasteurised feed	0				0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing s	taff and equipment	0	1	2		0
Disinfection of equipment	Yes		0	1			0
between sites, use of footbaths etc	No		1				
CoGP/Regulator							
Practices in accordance	Yes		0				0
with regulator or industry code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total Rank		19 MEDIUM

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0492	Site No: FS	60590
3. Does the site have access to a range of lic	s in the previous 4 years? equivalent) fallowed synchronously on a single year enced in-feed and bath sea lice medications (includ well as access to suitable biological and/or mechan	ling deltamethrin,
	gement agreement or statement relevant to the site a	and CoGP Farm
5. Are sea lice count records available for ins	spection? (Legal SSI, CoGP Annex 6) standard specified in the SSI and the CoGP? (Lega	al SSI, CoGP Annex 6)
7. Are sea lice (<i>L. salmonis</i>) record levels be records are inspected? (CoGP Annex 6)	elow the suggested criteria for treatment in the CoGF	o during the period that
3. Have average adult female sea lice (<i>L. sal</i> 2 or above (from w/b 10/6/19) during the perion	<i>Imonis</i>) numbers per fish been at a level of 3 or about that records are inspected?	ve (prior to w/b 10/6/19) or N
	Health Inspectorate? If no, FHI see comment. is considered to cause significant welfare problems	N/A N N
·	istered or other actions taken when <i>L. salmonis leve</i> elongatus is considered to have welfare implications	
3. Are treatments, where conducted, carried	applicable)? In staken had a significant impact upon the lice levels out in cooperation between participating farms? Where fewer populations or part populations are hele	Y
15. Is there a site specific written lice manage scenarios during the escalation of a sea lice is	ement procedure with waypoints describing set action infestation?	ons to deal with recognised Y
6. Do the sea lice levels observed on stocks	s reflect sea lice count data? If no please detail reas	ons. Y
	ge due to predators in the current or previous produ the predation experienced on site? (Detail below)	ction cycles? N Y
f Yes proceed with questions 4 – 9. If No skip 4. Have these been reported to Scottish Minis 5. Have these been reported to local DSFB for)
7. Were methods (if any) used to recover esc	capees? If yes give detail	
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	greed with local wild fish interests and was permission imise the risk of further escapes? (Not covered in courses of the Act)	
•	regards to containment? If no, please detail reason(s	s) Y

TH 050 Version 42	leaved by FUII	Data of incurs 42/05/2020
FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0492	Site No: FS0590	
Date of Visit: 17/11/2023	Inspector:	
Point of Compliance		
 Is the farm under inspection located w 	vithin a farm management area?	V
If N, no further questions require comple		<u> </u>
•	Management Agreements and Statemer	
2. Has a current farm management agre 3. Is the current FMAg/S available for ins	ement or statement (FMAg/S) been prepa	ared?
4. Does the FMAg/S identify the relevant	•	Y
5. Does the FMAg/S identify the fish farm		Y
•	commencement of the agreement or state	ement?
7. Does the FMAg/S identify the date of r	review?	Υ
Arrangements for Fish Health Manage	ement	
8. Does the FMAg/S identify the minimur	m health standards for the stocks to be int	troduced to the area or Y
farm?		
•	tion requirements for stocks held in the ar	
• • • • • • • • • • • • • • • • • • • •	s of fish which may be stocked into the ar- ium stocking density of any pen on any far	
individual farm?	an electring denotes of any perion any lai	
	ements for the storage and disposal of an	y dead fish from any
fish farm in the area or the individual far	m?	
Arrangements for The Management of	f Sea Lice	
13. Does the FMAg/S identify arrangeme	ents for the sharing of data on sea lice nur	mbers and treatments?
14 Doos the EMAG/S identify the availab	sility and the use of medicines on forms of	pyored by the agreement
of statement?	oility and the use of medicines on farms co	overed by the agreement
15. Does the FMAg/S identify any require	ements for the sensitivity testing of availab	ole treatments for sea
lice on farms in the area or individual far		
Does the FMAg/S identify the circum used on farms in the area or individual fa	stances under which biological controls a	nd cleaner fish are to be
	ements for synchronous treatments on fa	rms within the area?
error in the second of the sec	The state of the s	
Live Fish Movements		
18. Does the FMAg/S identify the circum area or farm?	stances when live fish may be introduced	
	ements for the movement of live fish on a	and off sites in the area
or individual farms?		

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable	harvest practices on farms in the area or indiv	ridual farms?
date when a farm or area may be restock	by which the area or individual farm will be fallowed? The or more year classes may be stocked onto see the control of the co	
agreement or statement?	oodstock or potential broodstock are to be kep	
Point of Compliance for Farm Manage	ment Agreements Only	
24. Does the farm management agreement parties to the agreement?	ent include arrangements for persons to becom	ne, or cease to be, N/A
Management and operation 25. Is the fish farm being managed and of 26. What is the version no/date of issue of	operated in accordance with the agreement or soft the FMAg/S? 01.08.2023	statement? Y

One No.	0000 0400			D	47/44/0	000		
Case No:	2023-0492	J		Date of vi	sit: 17/11/20	023		
Site No:	FS0590]		Inspect	or:			
Results Summary	Freq.	ı			Date of Noti	fication		
results Gailliary	1104.	Databas	e Insp	Phone	Insp	Writing	Insp	2 nd Insp
								2 11100
		1						
		+						
Report Summary								
Case Type	Date	Insp	2 nd Insp					
ECI, CNI, SLI,VMD	22/11/2023	3						
	1							



SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0169
 Date of Visit
 17/11/2023

 Site No
 FS0590
 Site Name
 Glenan Bay

 Case No
 20230492
 Inspector

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

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

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

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

Medicine records were inspected and found to be adequately maintained. Samples were taken to be analysed for veterinary residues.

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 Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

Date: 22/11/2023

FHI 059, Version 13	Issued b	y: FHI	Date of issue: 12/05/2020					
Case No: 2023-0493			Date of visit: 15/11/2023					
Time spent on site:	ır	Main Inspecto	r:					
Site No: SS0884 Business No: SB0550		lean an Atha ound of Luing Bivalve Seafarr	m Ltd					
Case Types: 1 ECI 2	3	4 5	6					
Water Temp (°C): 11.07	Thermometer No:	T307	FHI 045 completed					
Observations:	Region: HI	Water type: S	CoGP MA:					
Dead/weak/abnormally behaving f Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		If yes, see additional inform	mation/clinical score sheet. mation/clinical score sheet. mation/clinical score sheet.					
UNI/REG only - if unable to carry out intended visit detail reason below:								
UNI/REG only - if unable to carry of	out intended visit detail reason	below:						

Whole site inspected on 15/11/2023.

Last stock from Seasalter Walney on 16/10/2020.

Site plans to input stock on end 2023 or early 2024 - dependant on supply.

During site inspection, some bags were observed with heavy fouling and some recently cleared and free/minimal amount of fouling. Site has trialled ortax bags but found not to be useful onsite.

No live oysters have been moved off since input and plans are in place to begin selling stock for human consumption. Mortality records have been noted as not applicable due to site staff not having observed any mortality on site.

FHI 059, Vers	ion 13		Is	sued by: FHI			Date of issue: 12/05/2020	
Case No:	2023-0493]	Site No:	SS0884				
Date of Visit:		15/11/2023			Inspector(s):			
Registration	/Authorisation	Details						
_		mary checked	by site represe	ntative?			Υ	
2. Changes m	nade to details'	?					N	
Site Details (include clean	er fish for all s	sections)					
Total No facili		144	Facilities stock	ked	144	No facilities in	spected	
Species	CGI	CGI						
Age group	2018-2020	2020						
No Fish	250,000	50,000						
Mean Fish	90-100g	50-60g						
Wt	- (O'Is)	N		N. H. D.	(O'In)		2024	
Next Fallow D	• •	Never Fallow		Next Input Da		end 2023/earl	-	
	wks) disease	problems?		IN	Any escapes	(since last visit)?	
If yes, detail:								
Movement R	ecords							
		ble for inspection	on?					
2. Date of las							02/09/20219	
		correctly enter	red?					
		ailable for dea		te?				
5. Are records	s complete and	correctly enter	red?					
	•	introductions (d		ailable?				
Transport Re	ocorde -							
_		ed out by (or or	hehalf) of the	husiness (not	using a STR\?	•		
		lace for mainte		· ·	,			
			,					
Mortality Red								
		e for inspection	?		0.1 (1 . 11)			
2. How are m	ortalities dispo				Other (detail)			
If other detail:	Empty shells	used on roads						
3. Mortality re	cords complete	e and correctly	entered?					
	rtality (last 4 w			mortality obser	ved since last	inspection.		
4. Recent mortality (last 4 wks): no increased mortality observed since last inspection.5. Evidence of recent increased/atypical mortalities?								
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
6. Any other peaks in mortality during period checked?								
If yes, detail:								
7. Have increased (unexplained) mortalities been reported to vet or FHI? If yes, detail action:								
		en reported to	FHI2 If no ont	er details on m	ortality events	sheet		
o. Have Hiori	anty events be	en reported to	i i ii: ii iio, ent	ei uetalis uli III	oriality everits	Sileet.		

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

- 1. Biosecurity records available for inspection?
- 2. Has the manner and frequency of mortality 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 *increased (unexplained)* mortality at the site been included?
- 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?
- 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?
- 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
- 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?
- 8. Have the biosecurity procedures been adequately implemented on site?

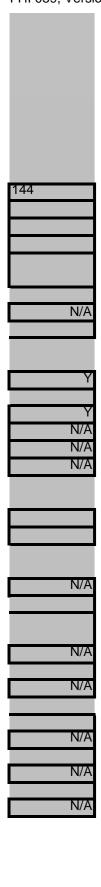
If no, detail:

Results of Surveillance

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

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

Records checked between: 02/09/2019-15/11/2023





Date of Visit 15/11/2023 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Susceptible to Bonamia ostrea (OED) Susceptible to Bonamia ostrea (OED, MED) Susceptible to OsHV (CGI) Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Frequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Movements off Frequency of movements off within MSS Management Areas Number of destinations Number of destinations Management Practices Water contacts with depuration facilities Water contacts with depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area	0 0 3 3
Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen No	2
If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Susceptible to Bonamia ostrea (OED) Susceptible to Marteilia refringens (OED, MED) Susceptible to OsHV (CGI) Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Frequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Movements off Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations Management Practices Water contacts with depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area	2
If susceptible species present, score for each pathogen Susceptible to Bonamia ostrea (OED) Susceptible to Marteilia refringens (OED, MED) Susceptible to OsHV (CGI) Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Prequency of movements on from equivalent MS Frequency of movements on from equivalent Zone or compartment including third country Number of suppliers Movements off Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas O 1 2 Unsecure (effluent treatment) Water contacts with depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area	2
Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Movements off Frequency of movements off within MSS Management Areas Number of destinations Management practices Water contacts with depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area O 2 5 10 2-5 8 10 1-2 2-3 Movements on Frequency of movements on from equivalent MS O 5 10 Frequency of movements off equivalent zone or compartment including third country O 10 20 Number of 3 10 Constitution at ideal excursion O 1 2 Unsecure (no effluent treatment) Water contacts with depuration of stock from other businesses sites within MSS management area	2
Susceptible to Marteilia refringens (OED, MED) 0 3 Susceptible to OsHV (CGI) 0 3 Sites within a tidal excursion 1 2-5 >6 Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 Live shellfish movements 0 1-2 >3 Movements on Frequency of movements on from equivalent MS 0 5 10 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 Areas 0 1 2 Frequency of movements off outwith MSS Management Areas 0 3 6 Number of destinations 0 3 6 Water contacts with depuration facilities Mass management area 0 1 2 Depuration of stock from own sites within MSS management area 0 1 2 Depuration of stock from other businesses sites within MSS management area 0 1 2 Depuration of stock from other businesses sites within MSS management area 0 2 6	2
Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Number of sites holding susceptible species within a tidal excursion Live shellfish movements Novements on Frequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Novements off Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations Novements off Vater contacts with depuration facilities Management practices Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area	2
Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Novements on Frequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Novements off Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations None Management Practices Management Practices Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area O 2 10 2 10 2 10 2 10 2 10 2 10 2 2 10 2 3 6 10 2 0 1 1 2 1 2 1 2 1 3 1 3 1 3 1 4 2 1 2 1 3 3 6 1 4 3 5 3 6 1 7 3 8 4 8 5 6 1 8 6 1 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 5
Site contacts Number of sites holding susceptible species within a tidal excursion	5
Live shellfish movements Novements on Frequency of movements on from equivalent MS 0 5 10	5
Movements on Frequency of movements on from equivalent MS 0 5 10 Frequency of movements on from equivalent zone or compartment including third country 0 10 20 Number of suppliers 0 5 10 Frequency of movements off within MSS Management Areas 0 1 2 Frequency of movements off outwith MSS Management Areas Number of destinations 0 3 6 Number of destinations 0 3 6 Frequency of movements off outwith MSS Management Areas 0 3 6 Number of destinations 0 1 2 Compared to the filter of	
Frequency of movements on from equivalent zone or compartment including third country Number of suppliers O 10 20 Number of suppliers O 5 10 Movements off Frequency of movements off within MSS Management Areas	
Compartment including third country 0 10 20	5
Number of suppliers 0 5 10	5
Movements off Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management 0 1 2 Frequency of movements off outwith MSS Management 0 3 6 Number of destinations 0 3 6 Management practices Management practices Water contacts with depuration facilities Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area	
Areas	
Areas 0 3 6 Number of destinations 0 3 6 Number of destinations 0 3 6 Management practices Secure (effluent treatment) Water contacts with depuration facilities Depuration of stock from own sites within MSS management area 0 1 2 Depuration of stock from other businesses sites within MSS management area 0 2 6	0
Management practices Water contacts with depuration facilities Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area O 2 6	0
Management practices Water contacts with depuration facilities Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area (effluent treatment) (no effluent treatment) 1 2	0
depuration facilities Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area 0 1 2	
MSS management area 0 2 6	0
Depuration of stock from sites outwith MSS management area 0 4 8	
Biosecurity Number of sites 1 2 or 3 ≥ 4	
Contacts with other Sites operating from single shorebase 0 1 2	0
sites Sites sharing staff and equipment 0 1 5	0
Yes No	
Disinfection of equipment between sites, use of footbaths etc 0 2	2
Total	
Risk N	17

Case No:	2023-0493			Date of visit:	15/11/2023	В				
Site No:	SS0884	- 1		Inspector:						
		ı								
Results Summary	Freq.	Databasa	Ilman	Date of Notification Phone Insp Writing Insp 2 nd Insp						
		Database	Insp	Phone	Insp	vvriting	Insp	2 nd Insp		
							-			
			-				-			
Report Summary				1						
Case Type	Date	Insp	2 nd Insp							
ECI	23/11/2023									



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0550

SITE NO SS0884

CASE NO 20230493

DATE OF VISIT 15/11/2023

SITE NAME Eilean an Atha
INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

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

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



Signed: Date: 23/11/2023

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot</u> (www.gov.scot)

FHI 059, Version 13		Issued by: FHI		Date of	issue: 12/05/2020
Case No: 2023-0494			D	ate of visit:	16/11/2023
Time spent on site:	hrs	M	ain Inspector:		
Site No: SS0452 Business No: SB0289	Site Name: Business Name:	Islay G. & J. Archibald			
Case Types: 1 ECI 2	3	4 5	5 6		
Water Temp (°C): 10.46	Thermometer No:	T307] FI	HI 045 comple	eted
Observations:	Region: ST	Water type:	S	CoGP MA:	
Dead/weak/abnormally behaving of Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see add	ditional informa ditional informa ditional informa	tion/clinical so	core sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:			

Pacific oysters on site have been observed with good growth. Moderate to heavy fouling observed on some bags, with others bags on lines observed with none. Natives were observed to have minimal growth.

Site has observed an increase in edible and green crabs inside bags this year. This has been partially attributed to the increase in mortalities observed in August 2023 (see mortality records on site records sheet).

Site depurates own stock.

There are plans to bring new stock onto the site end of 2023/ beginning 2024 from Guernsey Sea Farms.

FHI 059, Version 13	3		lss	sued by: FHI		С	Date of issue:	: 12/05/2020
Case No:	2023-0494		Site No:	SS045	2			
Date of Visit:		16/11/20)23		Inspector(s	s):		
Registration/Author	orisation De	etails						
1. Business/site det			y site represer	ntative?		Y	7	
2. Changes made t						Y	/	
Site Details (include	de cleaner f	ish for all se	ections)					
Total No facilities	ac cicarici ii	437	Facilities s	stocked	300	No facilities i	inspected 4	437
Species	CGI	CGI	CGI	CGI	OED			
Age group	2019	2020	2021	2022	2021			
No Fish	40,000	60,000	150,000	700,000	90,000			
Mean Fish Wt	150-500g	40-150g	40-200g	20-105g	20-60g			
Next Fallow Date (S		never fallo		Next Input D		End 2023/Ja	n 2024	
Recent (last 4 wks)		blems?			_ ` ′	es (since last vis		N/A
If yes, detail:								
Transport Records 1. Are any movement of yes, is there a system.	l s ents carried c	out by (or on	behalf) of the b	business (not u	•		[N/A Y Y
Mortality Records								
1. Mortality records		•			- Au	-112		Y
2. How are mortaliti					Other (deta	ail)		
If other detail:		lls used on ro						V
3. Mortality records	complete an	na correctly e				0/4.4/00000 A	1.0000 1.0	Y
4. Recent mortality	(last 4 wks):				•	6/11/2023. Augu September 2023:		
5. Evidence of rece		• •						N
If yes, facility nos/no	o mortality p	er facility/no	stock per facili	ity/reason:				
								N1/0
6. Any other peaks	in mortality of	during period	checked?					N/A
If yes, detail:	(1) liti	h	taat an ELUO				N1/A
7. Have increased () mortalities	been reported	to vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality e		reported to E	UI2 If no onto	or dotails on me	rtality avente	choot		N/A
o. Have mortality e	vents been	reported to r	THE HOU, EILE	ii uetalis on mo	mainly events	SHEEL.		11/7

Treatments and Medicines Records		
1. Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		
3. Are records complete and correctly entered?		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Disconnity December		
Biosecurity Records		V
Biosecurity records available for inspection?	ing and oafa dianoool book considered?	Y
2. Has the manner and frequency of mortality removal, record	- ·	- 1
3. Has the manner and period in which the APB will notify Sco	ittish Ministers or Veterinary professional of any	V
increased (unexplained) mortality at the site been included?	and an accominism of the management of a listed disease	'
4. Has the action that will be taken in the event that the preser is detected been included and <i>how</i> and <i>when</i> that will be notif		V
5. Has the health status of aquaculture animals being stocked		
health status, certification if required)?	for the familisite been covered (equal of higher	'
riediti status, certification ii required):		
6. Have the husbandry and biosecurity measures implemented	d hetween each enidemiological unit to minimise	Y
transmission of disease been covered (movement of staff, visi	, ,	
7. Is documentation available regarding the measures in place		Y
aquaculture animals held on site?	to manitalit the physical containment of	
Have the biosecurity procedures been adequately implement	nted on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by, or o	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:	16/08/2022-16/11/2023	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0494 Site No:	SS045	2		
Date of Visit	16/11/2023 Inspector:				
Number of Susceptil	ole species on site				
·	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	25
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	3
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	0
Live shellfish mover		0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	5
	Frequency of movements on from equivalent zone or		40	20	
	compartment including third country Number of suppliers	0	10 5	10	5
	Invalidation suppliers		3	10	
Movements off	Frequency of movements off within MSS Management				
	Areas	0	1	2	2
	Frequency of movements off outwith MSS Management				
	Areas	0	3	6	
	Number of destinations	0	3	6	3
			Secure	Umaaaaaa	
Management			(effluent	Unsecure (no effluent	
practices		None	treatment)	treatment)	
Water contacts with	D :: (,		
depuration facilities	Depuration of stock from own sites within MSS	0	1	2	1
	management area	U		2	'
	Depuration of stock from other businesses sites within MSS management area	0	2	6	
	Depuration of stock from sites outwith MSS management	_		Ŭ	
	area	0	4	8	
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other sites	Sites operating from single shorebase Sites sharing staff and equipment	0	1	5	0
sites	Sites sharing stair and equipment	U	'	3	
			Yes	No	
	Disinfection of equipment between sites, use of footbath	ns etc	0	2	2
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				-
			Total		49
			Risk		HIGH

Case No:	2023-0494	4			10/11/20						
Site No:		J		Date of visi	t: 16/11/202	23					
OILE INU.	SS0452	1		Inspecto	r:						
Results Summary	Freq.	D ()	Date of Notification Database Upon Upon Writing Upon Upon								
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp			
Case Type	Date	Insp	2 nd Insp	}							
Case Type	Date 20/11/2023		2 nd Insp								
Case Type			2 nd Insp								
Case Type			2 nd Insp								
Case Type			2 nd Insp								
Case Type			2 nd Insp								
Case Type			2 nd Insp								
Case Type			2 nd Insp								
Report Summary Case Type ECI			2 nd Insp								



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0289 DATE OF VISIT 16/11/2023

SITE NO SS0452 SITE NAME Islay
CASE NO 20230494 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

Signed:

Fish Health Inspector

Date: 20/11/2023

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FHI 059, Version 13		Issued by: FHI		Date of iss	sue: 12/05/2020
Case No: 2023-0495			Da	ite of visit: 01	/11/2023
Time spent on site:	hours	M	ain Inspector:		
Site No: FS0549 Business No: FB0125	Site Name: Business Name:	Tanera Scottish Sea Farm	s Ltd		
Case Types: 1 REP 2	DIA 3	4 5	6		
Water Temp (°C): 11.6	Thermometer No:	T155] FH	II 045 complete	d
Observations:	Region: HI	Water type:	S	CoGP MA:	M-10
Dead/weak/abnormally behaving of Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	Y If yes, see add	ditional informati ditional informati ditional informati	on/clinical score	e sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:			

All fish on site from Barcaldine.

Nevis sites being stocked this week

80 m circles on site

FW well boat treatment at site today. Peroxide last week

Fergusons boat removing current mortalites. Final disposal destination is Dumfries.

Mort; 8/10 0.75%; 15/10 2.55%, 22/10 6.45; 29/10 12.33%. 2/11 3.53 (part week)

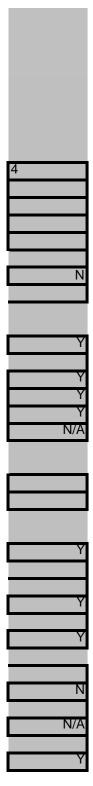
Individual cages worse than others. Aquagen fish in pens 1,4 ,5 and 6 worst effected.

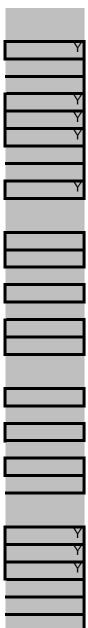
AGD peroxide (Paramove)treatment 23/9- 26/9 - tarp treatment; Peroxide July, Current treatments peroxide and fresh water

Health reports - 11/7/23 vet report lamellar lesions on gills; August test results AGD Moderate to High

FHI 059, Version 13			Issue	ed by: FHI		[Date of issue:	12/05/2020
Case No:	2023-0495		Site No:	FS0549				
Date of Visit:		01/11/2023	3		Inspector(s):			
Registration/Autho	risation Deta	ils						
1. Business/site deta	ails summary	checked by si	te representat	tive?			Υ	1
2. Changes made to	details?						N	1
Site Details (includ	e cleaner fist	n for all secti	ons)					
Total No facilities	0.00	12	Facilities sto	ocked	12	No facilities	inspected	
Species	sal	sal	. c.ccc ctc	1			1	1
Age group	2023 Q1&Q2							1
No Fish	89,744	140,856						1
Mean Fish Wt	1.9kg	2.26kg						1
Next Fallow Date (S		2024		Next Input D	ate (Site)	not known		•
Recent (last 4 wks)					Any escapes		sit)?	1
If yes, detail:	gill issues AC		ielly fish dam:		rany occuped	(GITTOO TAGE VI	on,	•
3. Are records comp 4. Are movement re 5. Are records comp 6. Are health certific Transport Records 1. Are any movement If yes, is there a sys	cords available elete and corre ates for introd the carried out	e for dead fishectly entered? uctions (outwood) by (or on bel	ith GB) availal	siness (not usi	-			
Mortality Records								
Mortality records		•						
2. How are mortalitie	es disposed of	?			Incinerated -	on site		
If other detail:								
3. Mortality records	•	correctly ente						
4. Recent mortality (•		see addition	al info				
Evidence of recer		• •						
If yes, facility nos/no		•		reason:				
Pens 1, 4, 5 and 6.								
6. Any other peaks i	n mortality du	ing period ch	ecked?					
If yes, detail:								
7. Have increased (unexplained) r	nortalities bee	en reported to	vet or FHI?				
If yes, detail action:								
Have 'mortality ev	ents' been rep	orted to FHI?	? If no, enter d	letails on mort	ality events sh	neet.		

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail: TMS	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	TMS
If other, detail:	
6. Are medicines stored appropriately?	
Discounity Bosonia	
Biosecurity Records	
Biosecurity records available for inspection?	alian and arta diamenal bases are ideas do
2. Has the manner and frequency of mortality removal, record	
3. Has the manner and period in which the APB will notify So	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the pres	·
detected been included and <i>how</i> and <i>when</i> that will be notif	
5. Has the health status of aquaculture animals being stocked status, certification if required)?	ed on the farm site been covered (equal of higher health
- · · · · · · · · · · · · · · · · · · ·	
6. Have the husbandry and biosecurity measures implement	
transmission of disease been covered (movement of staff, v	
7. Is documentation available regarding the measures in pla	ce to maintain the physical containment of aquaculture
animals held on site?	
8. Have the biosecurity procedures been adequately implem	ented on site?
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, o	r 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).	AGD
Records checked between:	26/4/23- 2/11/23





	1 059, version 13							100	ued by: F				
	Case no:	2023-04	195	Site No:		FS0549)		Date of vi		01/1	1/2023	01/
	Priority samples:	VI		ВА		PA		MG		HI			
	Time sampling starts/ends:	10:2	0:00	11:4	5:00		Inspecto	or:			VMD No). [0
	Environmental conditions:	1	Windy	2		3		4		5			
	Summary samples	HIST	Y	ВА	Y	MG	Y	VI		РА		Total Sa	mples
	ld Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	F5							
	Fish nos	1	2	3	4	5							
	Pool Group												
	Species	SAL	SAL	SAL	SAL	SAL							
	Average weight	2KG	2KG	2KG	2KG	2KG							
	Sex												
	Water Type	SW	SW	SW	SW	SW							
ock Details	Stock Origin	စ barcaldine	စ barcaldine	တ barcaldine	စ barcaldine	ക barcaldine							
S	raciiity NO	O	O	O	0	О							

TTH 055, Versic	1111 000, Version 10													
11/2023 Additio	11/2023 Additional Sample Information:													
HISTO	HISTOLOGY - two gill samples in hist pot 4 from fish 4 and fish 5.													
5	5 Total Tests assigned 3													
					_									

FHI 059, Version 13 Issued by: FHI Date of issue: 12/05/2020 Method of killing: Percussive Case no: 2023-0495 FS0549 Site No: Inspector(s): Sheet Relevant: Y Date of visit: 01/11/2023 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 Haemorrhaging Throat Ventrum Base of fins Elsewhere Eyes Exophthalmic **Enophthalmic (sunken)** Cataract Haemorrhagic Gills Pale Zoned Necrotic Lesions Flank **Elsewhere** Vent Inflamed Trailing faeces Lice Load Estimate numbers 0 Internal Signs Clear **Ascites** Bloody Oedema In tissues Heart Pale/anaemic Granulomas Deformed Liver Petechial haem Gross haem Tissue breakdown

6

Enlarged

Enlarged Granulomas

Pyloric caeca

Spleen

Body wall

Kidney

General

Swim bladder

Gut

Colour number(s)
Granulomas
Lesions

Petechial haem Tubules mauve Lack of fat

No food present Yellow pseudo-faeces External haem Internal haem

Haemorrhaging Haemorrhaging

Parasites present

Fluid filled

Swollen Grey Granular Liquefied

Anaemia

6

Case no: 2023-0495

Date of visit: 01/11/2023

Date of visit.	01/11/202	<u>.</u>					
S for strong prese	nce: M for medium presence: W fo	or w					
Fish Number	,						
	ter 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						
- регоши	Flared						
Haemorrhaging	Throat						
	Ventrum						
	Base of fins						
	Elsewhere						
Eyes	Exophthalmic						
,	Enophthalmic (sunken)						
	Cataract						
	Haemorrhagic						
Gills	Pale						
G.III.G	Zoned						
	Necrotic						
Lesions	Flank						
20010110	Elsewhere						
Vent	Inflamed						
T G.I.C	Trailing faeces						
Lice Load	Estimate numbers						
Internal Signs							
Ascites	Clear						
, 1001100	Bloody						
Oedema	In tissues						
Heart	Pale/anaemic						
	Granulomas						
	Deformed						
Liver	Petechial haem						
	Gross haem						
	Tissue breakdown						
	Enlarged						
	Colour number(s)						
	Granulomas						
	Lesions						
Pyloric caeca	Petechial haem						
,	Tubules mauve						
	Lack of fat						
Spleen	Enlarged						
	Granulomas						
Gut	No food present						
	Yellow pseudo-faeces						
	External haem						
	Internal haem						
Body wall	Haemorrhaging						
Swim bladder	Haemorrhaging						
Jiiiii biaaaci	Fluid filled						
Kidney	Swollen						
	Grey						
	Granular						
	Liquefied						
General	Parasites present						
Siliciai	Anaemia						
	Initacilita						

HI 059, Version 13	Issued by: FHI	Date of issue: 12/05/202
Additional comments:		
Pale ragged gills for all fish. No food bu	ut fish on starve for fw treatment	

Case No:	2023-0495			Date of visit:	01/11/2023	3						
Site No:	FS0549]		Inspector:								
Results Summary	Freq.		Date of Notification									
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp				
VHS	0/5	07/11/2023		07/11/2023		30/11/2023	3					
IPN	0/5	07/11/2023		07/11/2023		30/11/2023	B					
ISA	0/5	07/11/2023		07/11/2023		30/11/2023	B					
AGD	5/5	07/11/2023		07/11/2023		30/11/2023	3					
SGPV	5/5	07/11/2023		07/11/2023		30/11/2023	3					
Para Ther	5/5	07/11/2023		07/11/2023		30/11/2023	3					
IHN	0/5	07/11/2023		07/11/2023		30/11/2023	3					
PMCV	0/5	07/11/2023		07/11/2023		30/11/2023	3					
SAV	0/5	07/11/2023		07/11/2023		30/11/2023	3					
LPAT	5/5	14/11/2023		14/11/2023		30/11/2023	3					
GPAT	5/5	14/11/2023		14/11/2023		30/11/2023	3					
EPIT	1/5	14/11/2023		14/11/2023		30/11/2023	3					
CGDH	5/5	14/11/2023		14/11/2023		30/11/2023	3					
AMGD	5/5	14/11/2023		14/11/2023		30/11/2023	3					
Vibrio sp.	5/5	20/11/2023				30/11/2023	3					
	1	1										
	-	1										
Report Summary												
Case Type	Date	Insp	2 nd Insp									
Diag Rep	30/11/2023		2 1113p									
ag 1 top	33,11,2020											
	-											
	-											
	-											



SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No FB0125 **DATE OF VISIT** 02/11/2023 FS0549 SITE NO SITE NAME Tanera CASE NO

20230495 INSPECTOR

Section 1: Summary

Tanera was visited following reports by the company of increased mortality levels. On inspection moribund fish were observed at the pen perimeters and five were removed for diagnostic examination.

Histopathological examination revealed features consistent with mild, multifocal, hyperplasic branchitis, (amoebic gill disease) which was confirmed by qPCR. Hepatocellular necrosis and minor myocarditis also observed.

Samples tested by qPCR were also positive for salmon gill poxvirus (SGPV) and Paranucleospora theridion.

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

Tanera was visited following several weeks of mortality levels over the reporting threshold. This had peaked the week prior to the visit, week ending 29/10/23, at 12.33% and had been attributed to gill health issues.

On inspection of the pens a handful of moribund fish were observed at the perimeters, however the mortality socks on site were full of dead fish. Five moribund fish were removed from the worst effected pen for diagnostic examination.

All five fish had pale ragged gill but no other gross pathology was observed.

Samples

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

Fish number	Facility number	Species	Stage	Origin
1-5	6	Atlantic salmon	2023 Q1 @ 2kg	Barcaldine

Results

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

Vibrio sp. was identified on plates taken from gill material of 5/5 fish. The level and purity of growth would not suggest this bacterium would be implicated as the primary pathogen.

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	22.33	31.77	31.86	31.85	POSITIVE
F2	22.94	35	34.70	34.61	POSITIVE
F3	23.12	35.86	35.62	35.01	POSITIVE
F4	23.46	31.65	31.68	31.61	POSITIVE
F5	22.09	36.56	37.25	37.43	POSITIVE

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

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

Neoparamoeba perurans (AGD)

Fish Number	Endogenous control Cp value	,	Cp Values	Reported Result (PCR)	
F1	22.33	24.90	25.02	25.00	POSITIVE
F2	22.94	26.04	26.12	26.12	POSITIVE
F3	23.12	26.20	26.10	26.19	POSITIVE
F4	23.46	26.26	26.27	26.37	POSITIVE
F5	22.09	27.18	27.18	27.24	POSITIVE

Paranucleospora theridion

Fish Number	Endogenous control Cp value		Cp Values	Reported Result (PCR)	
F1	22.33	29.67	29.62	29.78	POSITIVE
F2	22.94	31.36	31.42	31.44	POSITIVE
F3	23.12	33.52	34.04	33.66	POSITIVE
F4	23.46	36.01	35.45	35.71	POSITIVE
F5	22.09	32.33	32.37	32.46	POSITIVE

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

The following histopathological changes were observed:

<u>Gill:</u> Lamellar hyperplasic branchitis, moderate to marked, multifocal (F1-F5), some lamellar vascular disturbances (F4). F3 also displayed areas of cellular necrosis. Presence of several amoeboid cells resembling *Neoparamoeba perurans* observed in all fish and few basophilic epithelial inclusions (likely epitheliocystis) F1. Aneurysmal dilation/lamellar telangiectasia observed in all fish.

Skin & Muscle: Within normal range.

<u>Heart:</u> Minor, multifocal, myocarditis (F1). Some thrombi nests in ventricular chamber. Minor to mild epericarditis (F1, F2). F1: No atrium present.

Gut and pyloric caeca: Mild peritonitis (F1).

Pancreas: Within the normal range.

<u>Liver:</u> Hepatocellular necrosis, mild, multifocal to coalescence (F1-F5), small focal sinusoidal congestion (F3), minor cuffing (F1), hepatocellular vacuolation (macrovesicles), mild, diffuse (F2). Kidney: Focal area of congestion, one renal tubule dilated (F1), some renal tubules with hyaline droplets on the lining epithelium(F4).

Spleen: Within the normal range.

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 Scottish Government website at Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)

Date: 30/11/2023









FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020				
Case No: 2023-0498			Date of visit: 01/11/2023				
Time spent on site: 45	imins	Main Inspecto	r:				
Site No: SS0931 Business No: SB0556	Site Name: Business Name:	Oyster Holding Room The Roslin Institute					
Case Types: 1 ECI 2	3	4 5	6				
Water Temp (°C): 20	Thermometer No:	Site	FHI 045 completed				
Observations:	Region: LO	Water type: S	CoGP MA:				
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional 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 deta	il reason below:					

Additional Case Information:

When the site is stocked, animals are kept in buckets and a water change is conducted weekly using natural seawater collected from St Abbs Marine Station.

Animals on site were sourced from Loch Ryan and will be kept on site for ~2 weeks before being sampled. Animals are culled and dissected on site before tissue samples are transported in wells within a plastic bag (that has been disinfected) to the disease challenge room for disease trials. All movements off from this site go to the disease challenge room (SS0941).

Stock on site appeared in good health. No moribunds were observed during the inspection.

Mortalities are disposed of via the Universities approved route for clinical waste, which is incineration at another location on campus (but off site).

Site thermometer used due to biosecurity risk.

FHI 059, Version 13				Issued by: FI	-II	Date of issue: 12/05/2020			
Case No:	2023-0498]	Site No:	SS0931					
Date of Visit:		01/11/2023	1		Inspector(s):				
Registration/A	Authorisation	Details							
1. Business/site			by site repres	sentative?			Υ		
2. Changes ma	ade to details?	•					N		
Site Details (ir	nclude clean	er fish for all	sections)						
Total No faciliti		6	Facilities sto	cked	5	No facilities	s inspected	6	
Species	OED								
Age group	2023								
No Fish	38								
Mean Fish Wt	~10cm								
Next Fallow Da	ate (Site)	Nov 23		Next Input D	ate (Site)	Unsure.			
Recent (last 4	wks) disease	problems?		N	Any escapes	s (since last v	/isit)?	N	
If yes, detail:									
3. Are records 4. Are movement 5. Are records 6. Are health contract Transport Record 1. Are any movel figures, is there	ent records av complete and ertificates for cords vements carrie	railable for deal correctly enter introductions and out by (or co	ad fish and wa ered? (outwith GB) a on behalf) of th	available? ne business (i	_	ГВ)?		N/A N/A N/A	
Mortality Reco									
1. Mortality rec		•	n?		Othor (dotoil	Λ		Y	
How are mo If other detail:			-tthl-		Other (detail	,			
3. Mortality rec		re incinerated		cation on carr	ipus (but off s	ite).			
4. Recent mort	•			a singa laat in	anaction			'	
5. Evidence of	• '	•		s since last ir	ispection.			N/A	
If yes, facility n		• •		cility/reason:				1 477 1	
900, 1009 11	00,110 1110114111	y por raomity/	o otoott por le						
6. Any other pe	aks in mortal	ity during peri	od checked?					N	
If yes, detail: 7. Have increas	sed (unexplain	ned) mortalitie	es been repor	ted to vet or F	HI?			N/A	
If yes, detail ac									
8. Have 'morta		en reported to	FHI? If no, e	nter details o	n mortality eve	ents sheet.		N/A	

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail: If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
·	
Biosecurity Records	
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	V
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?	V
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:	
Desulte of Compalliance	
Results of Surveillance	N
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).	
in you, dottain (in that dottailed under recent disouse problems).	
Records checked between: 09/11/2022 - 01/11/2023	

12/05/2020

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0498 Site No:	SS093	1		
Date of Visit	01/11/2023 Inspector:				
Number of Susceptik	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	25
	Susceptible to Marteilia refringens (OED, MED)		0	3	3
	Susceptible to OsHV (CGI)		0	3	3
Sites within a tidal ex	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	0
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	2
	Frequency of movements off outwith MSS Management	0	2	6	0
	Areas Number of destinations	0	3	6	3
	Transcript descriptions				
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within				
	MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management				
	area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	1
sites	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s etc	0	2	0
			Total Risk		38 HIGH

Case No:	2023-0498			Date of visit:	01/11/2023			
Site No:	SS0931	1		Inspector:		l		
Results Summary	Freq.			Da	te of Notifica	tion		
,	· '	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
			-					
			-					
D 1 O								
Report Summary	_		nd					
Case Type ECI	Date	Insp	2 nd Insp					
ECI	03/11/2023							
	+							
	1							



SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0556 Date of Visit 01/11/2023

SITE NO SS0931 SITE NAME Oyster Holding Room

CASE NO 20230498 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

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

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

Signed:



Date: 03/11/2023

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)</u>

Issued by: FHI	Date of issue: 12/05/2020
	Date of visit: 01/11/2023
Main Inspecto	or:
Shrimp Aquarium Room The Roslin Institute	
3 4 5	6
neter No: Site	FHI 045 completed
LO Water type: F	CoGP MA:
N If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
ed visit detail reason below:	
<u>.</u>	Main Inspector Shrimp Aquarium Room The Roslin Institute 3

Additional Case Information:

Tanks are completely independent and not connected to any water supply. Artifical seawater is made using RO from the tap and adding synthetic salt. This is stored in a larger water tank within the room and is used for weekly water changes.

Each individual tank has its own heater, filter for collecting suspended waste and an airstone.

Waste water removed from the tanks is stored in a separate storage tank and is treated with sodium hypochlorite for 24hrs prior to discharge down the drain and into mains sewage.

When live animals are moved off site, they are placed in sealed welltrays that are then placed within a plastic bag that is then sprayed with Virkon disinfectant before moving off site.

Mortalities are treated as clinical waste and are disposed of via the Universities approved route for clinical waste, which in this case is incineration at another location on campus (but off site).

Animals on site appeared in good health at time of inspection.

Site thermometer used due to biosecurity risk.

FHI 059, Versi	on 13			Issued by: Fl	HI		Date of	issue: 12/05/2020
Case No:	2023-0499		Site No:	SS0936				
Date of Visit:		01/11/2023]		Inspector(s)			
Registration/	Authorisation	Details						
1. Business/si			by site repres	sentative?			Y	7
	ade to details?	•					N	•
Site Details (i	nclude cleane	er fish for all	sections)					
Total No facilit		17	Facilities sto	cked	14	No facilities	inspected	17
Species	LPV			I		110 10.0	I	
Age group	2023							
No Fish								
Mean Fish Wt	45							
Next Fallow D	. • 9	Regularly fal	low.	Next Input D	ato (Sito)	Unsure.		
	wks) disease	,	iow.	•	_ ` '	s (since last vi	cit\2	N
· ·	wks) uisease	problems:		1	Arry escapes	s (Silice last vi	511) !	IV
If yes, detail:								
Movement Re	ecords							
1. Movement r	ecords availab	ole for inspect	ion?					Y
2. Date of last	inspection:						31/03/2021	
3. Are records	complete and	correctly ente	ered?					Y
4. Are movem	ent records av	ailable for dea	ad fish and wa	aste?				N/A
5. Are records	complete and	correctly ente	ered?					N/A
	ertificates for i	•		available?				N/A
Transport Re	cords							
-	vements carrie	nd out by (or o	n hohalf) of th	na husinass (r	not using a S	TR\2		
•	a system in pl				_	i b) :		
11 yes, 15 there	a system in pi	ace for maint	eriarice or trai	i isportation re	corus:			
Mortality Rec								
•	cords available	•	า?					Y
	ortalities dispos	sed of?			Other (detai)		
If other detail:				pus (but off si	te)			
Mortality red	cords complete	e and correctly	/ entered?					Y
			5 mortalities	across all tan	ks since last	inspection. At	tributed to mo	oulting and
	tality (last 4 wh	,	cannibalism.					
	recent increas	• •						N
If yes, facility r	nos/no mortalit	y per facility/n	o stock per fa	acility/reason:				
6. Any other n	eaks in mortali	tv during peri	od checked?					N
If yes, detail:		,						
•	sed (unexplair	ned) mortalitie	s been repor	ted to vet or F	HI?			N/A
If yes, detail a								
*	ality events' be	en reported to	FHI? If no. e	nter details or	n mortality ev	ents sheet.		N/A
	.,	- p	, 0					

Treatments and Medicines Records 1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	•
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
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	V
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?	$\overline{}$
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 transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	Y
7. Is documentation available regarding the measures in place to maintain the physical containment of	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?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Decords shooked between 124/02/0004 04/44/0000	
Records checked between: 31/03/2021 - 01/11/2023	

12/05/2020

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2023-0499 Site No:	SS093	6		
Date of Visit	01/11/2023 Inspector:				
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	0
	Susceptible to Marteilia refringens (OED, MED)		0	3	0
	Susceptible to OsHV (CGI)		0	3	0
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	0
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	0
	Frequency of movements on from equivalent zone or				
	compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	0
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	2
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	2	6	0
	Number of destinations	0	3	6	3
	Trained of additioned				
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within			_	
	MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management				
	area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	1
sites	Sites sharing staff and equipment	0	1	5	1
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s etc	0	2	0
			Total Risk		7 LOW

Case No:	2023-0499			Date of visit:	01/11/2023			
Site No:	SS0936	1		Inspector:		l		
Results Summary	Freq.			Da	te of Notifica	tion		
	i i	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
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Report Summary								
Case Type ECI	Date	Insp	2 nd Insp					
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	+							
	†							



SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No SB0556 Date of Visit 01/11/2023

SITE NO SS0936 SITE NAME Shrimp Aquarium Room

CASE NO 20230499 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

Records

The surveillance frequency category of the site was assessed as 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 appeared to be adequately maintained.

Mortality records were inspected and found to be adequately maintained.

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

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

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

Signed:



Date: 03/11/2023

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Scottish Government website at <u>Fish Health Inspectorate Service Charter - gov.scot (www.gov.scot)</u>

Issu	ed by: FHI	Date of issue: 12/05/2020
		Date of visit: 01/11/2023
0mins	Main Inspecto	or:
Site Name: Business Name:	AGRF (RAS B) The Roslin Institute	
2 3	4 5	6
Thermometer No:		FHI 045 completed
Region: LO	Water type: F	CoGP MA:
fish present? d?	If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
out intended visit detail rea	son below:	
Sit	e fallow.	
	Omins Site Name: Business Name: 2	Site Name: Business Name: The Roslin Institute Thermometer No: Region: LO Water type: F fish present? d? If yes, see additional information of the present of the p

Additional Case Information:

Site had been unable to stock as planned since last inspection.

The tanks have had to be redeisgned to meet the home office licence requirements. Site is hoping to be stocked with rainbow trout sourced from the Niall Bromage Freshwater Field Station (FS0473) before the end of the year following design approval.

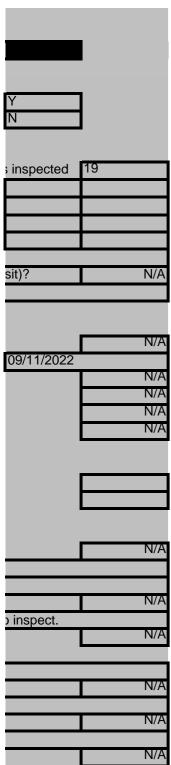
These fish will be brought on to test the new design to ensure full fuinctionality prior to beginning of trials. These fish will not be moved off and will be euthanised and sampled on site. Future stock may be moved between this site and neighbouring site AGRF (RAS A).

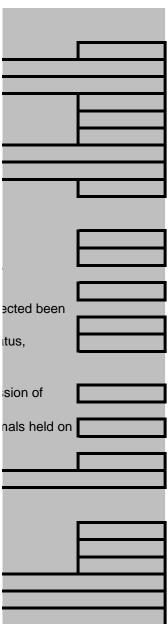
No movements on or off the site had occurred since the last inspection, so no movement records collected.

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0500	Site No:	FS1353
Date of Visit:	01/11/2023	Inspector(s):
Registration/Authorisation Details		
1. Business/site details summary checked by	site representative?	
2. Changes made to details?		
Site Details (include cleaner fish for all sec	ctions)	
Total No facilities 19	Facilities stocked	0 No facilities
Species	i dominos stockou	THE PAGINATE
Age group		
No Fish		
Mean Fish Wt		
Next Fallow Date (Site) Currently	/ fallow. Next Ir	nput Date (Site) Dec 23
Recent (last 4 wks) disease problems?		N/A Any escapes (since last vi
f yes, detail:	·	•
Movement Records		
1. Movement records available for inspection	?	
2. Date of last inspection:	10	
3. Are records complete and correctly entered		
4. Are movement records available for dead f		
5. Are records complete and correctly entered		
6. Are health certificates for introductions (out	twitti Gb) available?	
Transport Records		
 Are any movements carried out by (or on b 	pehalf) of the business (not using a STB))?
f yes, is there a system in place for maintena	· · · · · · · · · · · · · · · · · · ·	
	·	
Mortality Records		
1. Mortality records available for inspection?		
2. How are mortalities disposed of?		Other (detail)
	rated via the universities approved clinica	al waste route.
3. Mortality records complete and correctly er		
4. Recent mortality (last 4 wks):		stocked so no mortality records to
 Evidence of recent increased/atypical mort if yes, facility nos/no mortality per facility/no s 		
1 yes, raciity nos/no mortality per raciity/no s	tock per facility/reason.	
6. Any other peaks in mortality during period	checked?	
f yes, detail:		
7. Have increased (unexplained) mortalities b	een reported to vet or FHI?	
f yes, detail action:		
3. Have 'mortality events' been reported to Fh	II? If no, enter details on mortality event	s sheet.

Total Control of the Police Book In
Treatments and Medicines Records 1. Recent treatments (see comment)?
If yes, detail:
If other, detail:
2. Medicines records available for inspection?
3. Are records complete and correctly entered?
4. Are fish in a withdrawal period?
5. If yes, what treatment(s)?
If other, detail:
6. Are medicines stored appropriately?
cirrie medianes stored appropriatory.
Biosecurity Records
Biosecurity records available for inspection?
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any increased
(unexplained) mortality at the site been included?
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is determined.
included and how and when that will be notified to Scottish Ministers?
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status)
certification if required)?
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmis
disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture anim
site?
8. Have the biosecurity procedures been adequately implemented on site?
If no, detail:
December of Occurs 191-10-1
Results of Surveillance
1. Has any animal health surveillance been carried out by, or on behalf of, the business?
2. If yes, are results available for inspection?
3. Any significant results? If you detail (if not detailed under recent disease problems)
If yes, detail (if not detailed under recent disease problems).

09/11/2022 - 01/11/2023 Records checked between:





FHI 059, Version 13		Issued by: FHI			Date	of issue	: 12/05/2020
Case Number:	2023-0500		Site No:	FS1353		Insp:	
Date of Visit	01/11/2023		No of me	ovements/s	upp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	0
- C	Number of sup	ncluding third country	0		10	14	0
Marranata			I 0	<u> </u>		10	6
Movements off	Frequency of m		0		6	10	3
Exposure via water	Transor or doo	Site contacts	0		6-10		
Water contacts with other	Farm is protect	ed (secure water supply through					
farms (holding species susceptible to same	disinfection or l	•	0				0
diseases)	farms upstream	or in a coastal zone with category I n or within 1 tidal excursion	1	2	4		
		or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	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				
	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				
	Processing fish equivalent state	from zone or compartment of us	4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own was	te only processed.	0				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				0
	Feeding unpas	teurised feed	5				
Biosecurity		Number of sites	1	2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing s	taff and equipment	0	1	2		1
Disinfection of equipment	Yes		0				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				
Diatform access to come	IVos						
Platform access to cages	Yes No		0				0
	140		2				
					Total		12
					Rank		LOW

Case No:	2023-0500			Date of visit	:: 01/11/202	3		
Site No:	FS1353	FS1353 Inspector:						
Results Summary	Freq.	Date of Notification						
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Report Summary								
	Date	Insp	2 nd Insp					
Case Type REG	03/11/2023							
	_							
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SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0568
 Date of Visit
 01/11/2023

 Site No
 FS1353
 Site Name
 AGRF (RAS B)

 Case No
 20230500
 Inspector

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

On this occasion, the site was found to be fallow and has not been stocked since authorisation in July 2021.

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

Signed: Date: 03/11/2023
Fish Health Inspector

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