FHI 059, Version 13		Issued by: FHI		Date of is	ssue: 12/05/2	2020
Case No: 2023-0292				Date of visit:	05/07/2023	
Time spent on site:	Hrs		Main Inspector:			
Site No: FS0248 Business No: FB0119	Site Name: Business Name:	Loch Duich Mowi Scotland Ltd	d			∃
Case Types: 1 ECI 2	CNI 3 SLI	4	5	6		
Water Temp (°C): 13.3	Thermometer No:	T148		FHI 045 complet	ted	N/A
Observations:	Region: HI	Water type:	S	CoGP MA:	M-21	
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see ac	dditional inform	ation/clinical sco ation/clinical sco ation/clinical sco	ore sheet.	
UNI/REG only - if unable to carry	out intended visit deta	il reason below:				

Additional Case Information:

Records checked on 05/07/2023 (2 hours on site) while physical inspection of stock was carried out 06/07/2023 (5 hours on site).

Routine inspection brought forward after site reported after one fish (Atlantic salmon) sampled during monthly health check came back positive for BKD through histology and preliminary PCR test. Inspector was informed by a member of the health team that the fish that had been sampled for pre-transfer screen were mort's so may have been dead for a day or two prior to sampling. Site has not seen any increase in mortality numbers with mortality levels over the last 4 weeks being between 0.08% to 0.15% per week across the whole site and no pens showing increased mortalities in comparison to other pens. Main cause of current mortalities has been via runts and gill issues via increased numbers of micro jellyfish on site. Visibility was not good due to run off from recent heavy rain but fish could be seen responding well to feed and shoaling as expected. A large number of mackerel were observed outside the pens.

On average 3 moribund fish were removed per pen but no darkening of the skin, distended abdomens, blisters or haemorrhaging around the vent were observed. All fish removed were poor doers and from marks on the heads had suffered from concussion. Internal examination of all fish was also carried out with no gross pathology observed. The 8 healthy fish removed for vmd sampling were also examined and again showed no signs of disease. By the time of arrival on site the company had already arranged for an ensiler at the shore base and a net cleaner to only be used at the site inspected.

Cleaner fish mort's. from 05/06/23 - 05/07/2023 - Lumpfish 4676 (4.53%), wrasse 1327 (7.8%). The mortality numbers over this time period has been consistent over all 12 pens showing no trends or peaks noted. Only mort's from inspected site are processed at the shore base.

No treatments carried out on current cycle so far. TMS used on site weekly but just for carrying out sea lice counts. Only treatments during the previous cycle were physical sea lice treatments.

Cleanerfish movements have been kept separately but are available and satisfactory. In future all movements (salmon and cleanerfish) will be kept in the same movement record book.

FHI 059, Version 13			Issue	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2023-0292]	Site No:	FS0248				
Date of Visit:		05/07/202	23		Inspector(s):			I
Registration/Author	orisation Deta	ails						
1. Business/site deta			site representa	tive?			Υ	1
2. Changes made to	details?						N]
Site Details (includ	le cleaner fis	h for all sec	ctions)					
Total No facilities		12	Facilities sto	cked	12	No facilitie	s inspected	12
Species	SAL	LUM	WRS				i i	
Age group	2023 Q2	2022/23	wild caught					
No Fish	864,789	103,000	17,000					
Mean Fish Wt	655g	~50-60g	unknown					
Next Fallow Date (S		Oct/Nov. 20		Next Input Da	ate (Site)	~March 20	25	
Recent (last 4 wks)	disease probl			N	Any escapes	(since last	visit)?	N
If yes, detail:								
Mayramant Dagard								
Movement Record 1. Movement record		r increation	2					
2. Date of last inspe		i inspection	f.				27/07/2021	<u>'</u>
 Date of last firspe Are records comp 		actly ontoroc	10				21/01/2021	N
4. Are movement re		•						
 Are movement re Are records comp 								· ·
6. Are health certific		•		able?				N/A
		(, , , , , , , , , , , , , , , , , , , ,					
Transport Records								
1. Are any movemen		7 7			-			N
If yes, is there a sys	tem in place f	or maintena	nce of transpor	tation records	?			
Mortality Records								
1. Mortality records	available for i	nspection?						Y
2. How are mortalitie	es disposed o	f?			Ensiled - on s	site		•
If other detail:								
3. Mortality records	complete and	correctly er	ntered?					Y
			Wk 23 - 796	(0.09%), wk 2	4 - 667 (0.08%	6), wk 25 - 7	'58 (0.09%), ¹	wk 26 - 1259
4. Recent mortality	(last 4 wks):		(0.15%); see	add. Info for o	cleanerfish	•		
Evidence of recer	nt increased/a	typical morta	alities?					N
If yes, facility nos/no	mortality per	facility/no st	tock per facility/	/reason:				
6. Any other peaks i	n mortality du	ring period o	checked?					l N
If yes, detail:	ii iiiortality du	ing pendu (STIGORGU!					I IV
7. Have increased (unexplained)	mortalities h	een reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FF	II? If no, enter of	details on mort	tality events sh	neet.		Y

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 inspectio	n?	Y
3. Are records complete and correctly enter	ed?	Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	TMS	
If other, detail:		
6. Are medicines stored appropriately?		Y
Biosecurity Records		
1 Riosecurity records available for inspection	nn?	V

ii otiici, actaii.			1
2. Medicines records	s available for inspection?		Y
3. Are records comp	plete and correctly entered?		Y
4. Are fish in a withd	rawal period?		Y
5. If yes, what treatm	nent(s)?		
If other, detail:			
6. Are medicines sto	ored appropriately?		Y
-	ds ds available for inspection? and frequency of mortality removal, recording and sa	fo disposal boon considered?	Y
	and period in which the APB will notify Scottish Minist	•	<u> </u>
	ined) mortality at the site been included?	ers or veterinary professional or any	Y
` '	at will be taken in the event that the presence or susp	vicion of the presence of a listed disease	
	luded and <i>how</i> and <i>when</i> that will be notified to Sco	•	Y
	atus of aquaculture animals being stocked on the far		Y
health status, certific	•	, i	
	dry and biosecurity measures implemented between ase been covered (movement of staff, visitors, equip	,	Y
7. Is documentation aquaculture animals	available regarding the measures in place to mainta held on site?	in the physical containment of	Y
8. Have the biosecu	rity procedures been adequately implemented on site	; ?	Y
If no, detail:			
Results of Surveilla			
•	ealth surveillance been carried out by, or on behalf o	f, the business?	Y
•	available for inspection?		Y
3. Any significant res	Sults?	DVD 14 4 11 4 71 1 DOD	Y
		BKD detected in 1 fish by PCR and his	
If yes detail (if not d	letailed under recent disease problems).	samples recently taken under a routing screen.	e nealth
ii yes, actaii (ii fiot d	otalioa andor roccin discuso problems).	Solecii.	
	Pacards checked between: 27/07/2021	- 05/07/2023	

Priority samples:		ni uba, versioni ib							133	ueu by. Fn				
Priority samples: VI BA PA MG HI Time sampling starts/ends: 12:30:00 13:10:00 Inspector: VMD No. Environmental conditions: 1 Indoors 2 3 4 5 Summary samples HIST BA MG VI PA Total Sample Add Fish/Pools - click Pool/Fish No Fish nos 1-2 3-4 5-6 7-8 <td></td> <td>Case no:</td> <td>2023-02</td> <td>292</td> <td>Site No:</td> <td></td> <td>FS0248</td> <td></td> <td></td> <td></td> <td>it/</td> <td>05/0</td> <td>07/2023</td> <td>06/0</td>		Case no:	2023-02	292	Site No:		FS0248				it/	05/0	07/2023	06/0
Starts/ends: Environmental conditions: 1 Indoors 2 3 4 5 5 5 5 5 5 5 5 5		Priority samples:	VI		ВА		PA		_	Sampling.	нІ			
Summary samples		starts/ends:				0:00		Inspecto	or:			VMD No).	20
Pool/Fish No		Environmental conditions:	1	Indoors	2		3		4		5			
Pool/Fish No		Summary samples	HIST		ВА		MG		VI		РА		Total Sa	mples
Fish nos	A													
Pool Group														
Species			1-2	3-4	5-6	7-8								
Average weight 0.6500 0.6500 0.6500 0.6500 0.6500														
Sex														
Water Type		Average weight	0.6500		0.6500									
aig (FS0649) aig (FS0649) aig (FS0649)		Sex	N/A	N/A	N/A	N/A								
Arkaig (FS0649) Arkaig (FS0649) Arkaig (FS0649) Arkaig (FS0649)		Water Type	SW	SW	SW	SW								
15 15 2 CHIV NO 11 16 110 111 1 1 1 1 1 1 1 1 1 1 1 1 1	Stock Details	Stock Origin Facility No	1 Arkaig (FS0649)	മ Arkaig (FS0649)		11 Arkaig (FS0649)								

07/2023 Additional Sample Information:	
0 Total Tests assigned 0	

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2023-0292		Site No:	FS0248		Insp:	
Date of Visit	05/07/2023		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
opeolog	Number of supp	cluding third country	0		10	14	0
NA							10
Movements off	Frequency of m		0		6	10 10	10
Exposure via water	Trambol of door	Site contacts	ļ		6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through porehole)	0				
susceptible to same diseases)		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		0				
	Processing own	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2	1			
	Processing fish equivalent statu	from zone or compartment of	4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	e only processed.	0	1			0
products	Common proce	sses with other farms	3				
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	nnasteurised feed	0	,]			0
oco or ampaotoanioca rocac	Feeding unpas	•	5				
Biosecurity	<u> </u>	Number of sites	ļ	J 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	О	1	2		0
	Sites sharing st	aff and equipment	0	1	2		0
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator	-			1			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total		16
					Rank		MEDIUM

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2023-0292	Site No: FS0248	
Sea Lice Inspection (Seawater Sites Only) 1. Has the site experienced sea lice problems in the previous 2. Is the CoGP Farm Management Area (or equivalent) fallow 3. Does the site have access to a range of licenced in-feed a azamethiphos and emamectin benzoate) as well as access to an these be deployed in a reasonable period of time?	wed synchronously on a single year class bund bath sea lice medications (including del	tamethrin, Y
 Is there a signed documented farm management agreeme Management Area (or equivalent)? 	nt or statement relevant to the site and Co	GP Farm Y
5. Are sea lice count records available for inspection? (Legal 6. Do records adequately reflect the required standard specif	·	CoGP Annex 6)
7. Are sea lice (<i>L. salmonis</i>) record levels below the suggest records are inspected? (CoGP Annex 6)	ed criteria for treatment in the CoGP during	g the period that
3. Have average adult female sea lice (<i>L. salmonis</i>) numbers 2 or above (from w/b 10/6/19) during the period that records a		or to w/b 10/6/19) or Y
f yes, have these been reported to the Fish Health Inspector 9. Is <i>C. elongatus</i> infestation at a level which is considered to		Y GP 4.3.81, 5.3.50)
10. Have therapeutic treatments been administered or other a suggested criteria for treatment or where <i>C. elongatus</i> is con		
11. Has any other action been taken (where applicable)? 12. Have therapeutic treatments or the actions taken had a si 13. Are treatments, where conducted, carried out in cooperat 14. Is there a harvesting strategy for the site, where fewer posea lice?	ion between participating farms?	Y
15. Is there a site specific written lice management procedure scenarios during the escalation of a sea lice infestation?	e with waypoints describing set actions to c	deal with recognised Y
16. Do the sea lice levels observed on stocks reflect sea lice	count data? If no please detail reasons.	Y
Containment Inspection I. Has the site experienced equipment damage due to preda 2. Are measures in place to mitigate against the predation ex Tensioned SealPro Nets, Top Nets f other, detail below:		ycles?
Have escape incidents or events been experienced on or	in the vicinity of the site since the last FHI i	inspection?
f Yes proceed with questions 4 – 9. If No skip to question 10 4. Have these been reported to Scottish Ministers? 5. Have these been reported to local DSFB forthwith (where to be these been reported to the SSPO and local fisheries).	hey exist)? (CoGP – 4.4.37, 5.4.17)	- 4.4.37, 5.4.17)
7. Were methods (if any) used to recover escapees? If yes gi	ive detail	
3. If gill nets were deployed was this action agreed with local Ministers? (Legal, CoGP – 4.4.38, 5.4.18) 9. What action was taken to prevent and minimise the risk of be considered under satisfactory measures of the Act)	further escapes? (Not covered in code but	could
10. Is the site inspected as satisfactory with regards to contain	inment? If no, please detail reason(s)	Υ

FHI 059, Version 13		Issued by: FHI	Date	of issue: 12/05/2020
Case No: 2023-0292	Site No:	FS0248		
Date of Visit: 05/07/2	023 In	spector:	1	
Point of Compliance				<u> </u>
1. Is the farm under inspection local	ted within a farm r	management area?		Υ
If N, no further questions require co	mpletion.			
Points of Compliance for Both Fa 2. Has a current farm management 3. Is the current FMAg/S available fo 4. Does the FMAg/S identify the release 5. Does the FMAg/S identify the fish 6. Does the FMAg/S identify the dat 7. Does the FMAg/S identify the dat Arrangements for Fish Health Ma 8. Does the FMAg/S identify the mir farm?	agreement or state or inspection? evant farm manage of farm site(s) to where of commencement of review?	tement (FMAg/S) been pre ement area? nich it applies? ent of the agreement or sta	pared? atement?	Y Y Y Y Y
9. Does the FMAg/S identify the vac 10. Does the FMAg/S identify the sp 11. Does the FMAg/S identify the m individual farm?	pecies of fish which aximum stocking	h may be stocked into the density of any pen on any t	area or farm? farm in the area or the	Y Y Y
12. Does the FMAg/S identify the artish farm in the area or the individu	_	ne storage and disposal of a	any dead fish from any	Y
Arrangements for The Managements 13. Does the FMAg/S identify arrangements		naring of data on sea lice n	numbers and treatments?	Y
14. Does the FMAg/S identify the avof statement?	vailability and the u	use of medicines on farms	covered by the agreement	Υ
15. Does the FMAg/S identify any relice on farms in the area or individual		e sensitivity testing of avail	able treatments for sea	Υ
16. Does the FMAg/S identify the ci used on farms in the area or individ		er which biological controls	and cleaner fish are to be	Y
17. Does the FMAg/S identify the ar	rangements for sy	ynchronous treatments on	farms within the area?	Υ
Live Fish Movements 18. Does the FMAg/S identify the ciarea or farm?				Y
19. Does the FMAg/S identify the ar or individual farms?	rangements for th	ne movement of live fish on	and off sites in the area	Y

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Harvesting 20. Does the FMAg/S identify acceptable	e harvest practices on farms in the area or indiv	idual farms?
date when a farm or area may be restoo		
22. Does the FMAg/S identify whether o agreement or statement?	ne or more year classes may be stocked onto s	ites covered by the Y
 Does the FMAg/S identify whether b covered by the agreement or statement 	roodstock or potential broodstock are to be kept?	t on any site
Point of Compliance for Farm Manage 24. Does the farm management agreem parties to the agreement?	ement Agreements Only nent include arrangements for persons to becom	ne, or cease to be, N/A
Management and operation 25. Is the fish farm being managed and 26. What is the version no/date of issue	operated in accordance with the agreement or so of the FMAg/S? 20/02/2023	statement? Y

Site No: FS0248

Case No: 2023-0292

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2022 0202			Data of vii	sit: 05/07/20	22		
Case No.	2023-0292	J		Date of Vi	SIC 05/07/20	023		
Site No:	FS0248]		Inspect	tor:			
Results Summary	Freq.				Date of Noti	fication		
		Database	e Insp	Phone	Insp	Writing	Insp	2 nd Ins
	-							
	-							
Report Summary								
Case Type	Date	Insp	2 nd Insp					
ECI, CNI, SLI, VMD	11/07/2023	3						
	1							





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 FB0119
 Date of Visit
 05 & 06/07/2023

 Site No
 FS0248
 Site Name
 Loch Duich

 Case No
 20230292
 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 found to be inadequately maintained.

Mortality records were inspected and found to be adequately maintained.

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

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

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

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

 FS numbers must be recorded in the source/destination section of the movement record book, to allow for better traceability of stocks. It was discussed with the site representative that this would be recorded in future. No further action is required.

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

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.



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at https://www.gov.scot/publications/fish-health-inspectorate-service-charter/

Date: 11/07/2023