FHI 059, Version 13	ls	sued by: FHI	Date of issue: 12/05/2020
Case No: 2020-0335			Date of visit: 21/08/2020
Time spent on site: 4	hrs	Main Inspect	tor:
Site No: FS0800 Business No: FB0440	Site Name: Business Name:	Leinish Grieg Seafood Shetland Ltd	
Case Types: 1 DIA	2 VMD 3	4 5	6
Water Temp (°C): 13.9	Thermometer No:	T153	FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA M-25
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	-	Y If yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail r	reason below:	

FHI 059, Version 13 Additional Case Information:

Week 33 - 107700 - 27.65% Week 32 - 5400 - 1.37% - Not reported. Week 31 - 3726 - 0.93% -Week 30 - 3124 - 0.78% Mortalities attributed to CGD and jellyfish. Planning to go in with freshwater next week to treat gills, had previously been treating with peroxide and salmosan.

The vet is on site today (21st August) waiting for histo results, and then a vet report will be sent out in the next few days regarding the current on site mortality.

Fish were observed shoaling well deeper in the water. Although a lot of fish were observed which appeared lethargic, these fish were very reactive and swam off quickly. 8 dead observed across site, with exception of cage 8 where 20 dead were observed on surface, not fresh dead, these were removed by site staff at the time of inspection. The site staff that usually operate at this site were assisting with a FW treatment at Gob na Hoe, and were due to return to site in the afternoon to do daily checks.

Jellyfish numbers increased quickly over a short period of time, resulting in the high losses week 33, mortality numbers were decreasing, but still elevated. A FW treatment was due to be conducted during week 34/35, it was hoped that this would help alleviate some of the losses due to gill issues. If the FW treatment isn't successful, the Norwegian Gannet is booked for early September and will harvest the whole site over a few days.

Uncertain of future stocking of sites within the DMA.

DELAY IN ISSUING REPORT, SITE HAS BEEN TRANSFERRED TO A DIFFERENT APB, APB AT TIME OF INSPECTION NOW DEREGISTERED. NO REPORT ISSUED

Paperwork by Site inspection and sampling by seven accompanied by APHA

FHI 059, Version 13	3		Issue	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2020-0335	Sit	e No:	FS0800]			
Date of Visit:		21/08/2020			Inspector(s):			I
Registration/Author								_
1. Business/site det		checked by site r	epresenta	tive?			Ν	
2. Changes made to	o details?						Ν	
Site Details (inclue	de cleaner fig	sh for all section	5)					
Total No facilities			cilities sto	cked	9	No facilities	s inspected	9
Species	SAL							
Age group	S0's							
No Fish	250,064							
Mean Fish Wt	2.2							
Next Fallow Date (S	· · · · · · · · · · · · · · · · · · ·	March 2021		Next Input Da		-	21 (under revi	
Recent (last 4 wks)					Any escapes	s (since last \	/isit)?	N
If yes, detail:	CGD in fish	exsasserbated by	/ jellyfish b	loom. Vet inve	estigating.			
Movement Record								
1. Movement record		or inspection?						Y
2. Date of last inspe							06/07/2020	
3. Are records com		rectly entered?					00/01/2020	Y
4. Are movement re	•	•	nd waste?					Y
5. Are records com	plete and cor	rectly entered?						Y
6. Are health certific	cates for intro	ductions (outwith	GB) availa	ble?				N/A
Transport Records								
1. Are any moveme				•				
If yes, is there a sys	stem in place	for maintenance of	of transpor	tation records	?			
Mortality Records								
1. Mortality records		inspection?						Y
2. How are mortaliti		•			Whole fish -	Dundas Che	micals	
If other detail:								
3. Mortality records	complete and	correctly entered	?					Y
4. Recent mortality	(last 4 wks):	Se	e addition	al information				•
5. Evidence of rece	nt increased/							Y
If yes, facility nos/no	o mortality pe	r facility/no stock p	per facility/	reason:				
All pens affected by								
6. Any other peaks	in mortality d	uring period check	ed?					N
If yes, detail:								
7. Have increased (• • •	mortalities been r	eported to	vet or FHI?				N
If yes, detail action:			no orter	lataila en mart		t		N
8. Have 'mortality e	vents been re	eported to FHI? If	no, enter d	aetails on mort	anty events sh	ieet.		N

Treatments and Medi	licines Records	
1. Recent treatments ((see comment)?	Y
If yes, detail:	Peroxide Salmosan TMS	
· · · · · · · · · · · · · · · · · · ·	FW	
	available for inspection?	Y
	ete and correctly entered?	Y
4. Are fish in a withdra		Y
5. If yes, what treatment	ent(s)? TMS Salmosan	
If other, detail:		
6. Are medicines store	ed appropriately?	Y
2. Has the manner and	a vailable for inspection? Ind frequency of mortality removal, recording and safe disposal been considered? Ind period in which the APB will notify Scottish Ministers or veterinary professional of any	_
	ed) mortality at the site been included?	_
	will be taken in the event that the presence or suspicion of the presence of a listed disease	
	uded and how and when that will be notified to Scottish Ministers?	
	us of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certificat		
-	ry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of diseas	se been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
	vailable regarding the measures in place to maintain the physical containment of	
aquaculture animals he		
	ty procedures been adequately implemented on site?	
If no, detail:		
Results of Surveillan		
-	alth surveillance been carried out by, or on behalf of, the business?	Y
-	vailable for inspection?	Ŷ
3. Any significant resul		ľ
	tailed under recent disease problems).	
	te to severe gill pathology detected in all fish. Evidence of previous CMS infection - non detected.	
Re	ecords checked between: 06/07/2020-21/08/2020	

F۲	II 059, Version 13							lss	sued by:	FHI			
	Case no:	2020-03	335	Site No:	:	FS0800			Date of		21/0	08/2020	26/(
	Priority samples:	VI		BA		PA		MG	Samplin	ig: HI			
	Time sampling starts/ends:		0:00		5:00		Inspecto	or:			VMD No	р. Г	12
	Environmental conditions:	1	Indoors	2		3		4		5			
	Summary samples	HIST	Y	BA	Y	MG	Y	VI		PA		Total Sa	Imples
A	dd Fish/Pools - click												
	Pool/Fish No	F1	F2	F3	F4	P1	-						
	Fish nos	1 P1	2 P1	3 P1	4 P1	1-4	5	6					_
	Pool Group Species	SAL											
	Average weight	2.2000			2.2000								
	Sex			N/A	N/A	N/A	N/A	N/A					
	Water Type	SW											
			,		/		,						
S		atchery											
Detail		Girlsta Hatchery											
ock	Stock Origin	Gir											
	Epollity No			0	40			<u> </u>					

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mix

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Date of issue: 12/05/2020

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Facility No

FHI 059, Version 13

J8/2020	Addition	nal Sam	ple Infor	mation:						
5		Total T	ests ass	igned	3					_
0		Total T	0010 000	igned	9					

FHI 059, Versio	059, Version 13			ued by:	FHI		Date of issue: 12/05/20					5/2020
Case no:	2020-0335]	Site No:			0	M	ethod of	f killing:	Anaest	hetic	
Date of visit:	21/08/2020		Inspec	tor(s):				s	heet Re	elevant:	Ŷ	
S for strong preser	nce: M for medium presence: W for	weak pres	ence									
Fish Number		1	2	3	4							
	er death (if > 45 minutes)	~1hr	~1hr	~1hr	~1hr							
External Signs												
Behaviour	Moribund											
	Lethargic		М	М								
	Hanging vertical				М							
	Spiralling											
	Flashing Loss of equilibrium											
Body	Dark											
	Distended abdomen											
	Anorexic				W							
	Scale Oedema											
Opercula	Shortened											
	Flared											
Haemorrhaging	Throat											
	Ventrum Base of fins											
	Elsewhere											
Eyes	Exophthalmic											
2,00	Enophthalmic (sunken)											
	Cataract											
	Haemorrhagic											
Gills	Pale											
	Zoned											
	Necrotic											
Lesions	Flank											
Vent	Elsewhere											
vent	Inflamed Trailing faeces	_										
Lice Load	Estimate numbers	10	10	10	10							
Internal Signs												
Ascites	Clear											
	Bloody	W	W									
Oedema	In tissues											
Heart	Pale/anaemic											
	Granulomas											
Liver	Deformed Petechial haem	_										
	Gross haem	w			w							
	Tissue breakdown											
	Enlarged											
	Colour number(s)	6	6	5	5							
	Granulomas											
- · ·	Lesions											
Pyloric caeca	Petechial haem				w							
	Tubules mauve Lack of fat		М		M							
Spleen	Enlarged				M							
opicon	Granulomas											
Gut	No food present											
	Yellow pseudo-faeces		w	w	w							
	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

Case no:	2020-0335

Date of visit:

1

21/08/2020

S for strong presence: M for medium presence: W for w	S	for	strong	presence:	Μ	for	medium	presence:	W	for v	٨
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	nce: M for medium presence: W fo	гм	-	-	-	 _	-	-	
Fish Number									
	er death (if > 45 minutes)								
External Signs									
Behaviour	Moribund								
	Lethargic								
	Hanging vertical								
	Spiralling								
	Flashing								
	Loss of equilibrium								
Body	Dark								
	Distended abdomen								
	Anorexic								
	Scale Oedema								
Opercula	Shortened								
	Flared								
Haemorrhaging	Throat								
	Ventrum								
	Base of fins								
	Elsewhere								
Eyes	Exophthalmic								
	Enophthalmic (sunken)								
	Cataract								
	Haemorrhagic								
Gills	Pale								
	Zoned								
	Necrotic								
Lesions	Flank								
	Elsewhere								
Vent	Inflamed								
	Trailing faeces								
Lice Load	Estimate numbers								
Internal Signs									
Ascites	Clear								
	Bloody								
Oedema	In tissues								
Heart	Pale/anaemic								
	Granulomas								
	Deformed								
Liver	Petechial haem								
	Gross haem								
	Tissue breakdown								
	Enlarged								
	Colour number(s)								
	Granulomas								
	Lesions								
Pyloric caeca	Petechial haem								
	Tubules mauve								
	Lack of fat								
Spleen	Enlarged								
	Granulomas								
Gut	No food present								
	Yellow pseudo-faeces								
	External haem								
	Internal haem								
Body wall	Haemorrhaging								
Swim bladder	Haemorrhaging								
	Fluid filled								
Kidney	Swollen								
	Grey								
	Granular								
	Liquefied								
General	Parasites present								
General	Anaemia								
	Anacilla								

Site No: FS0800

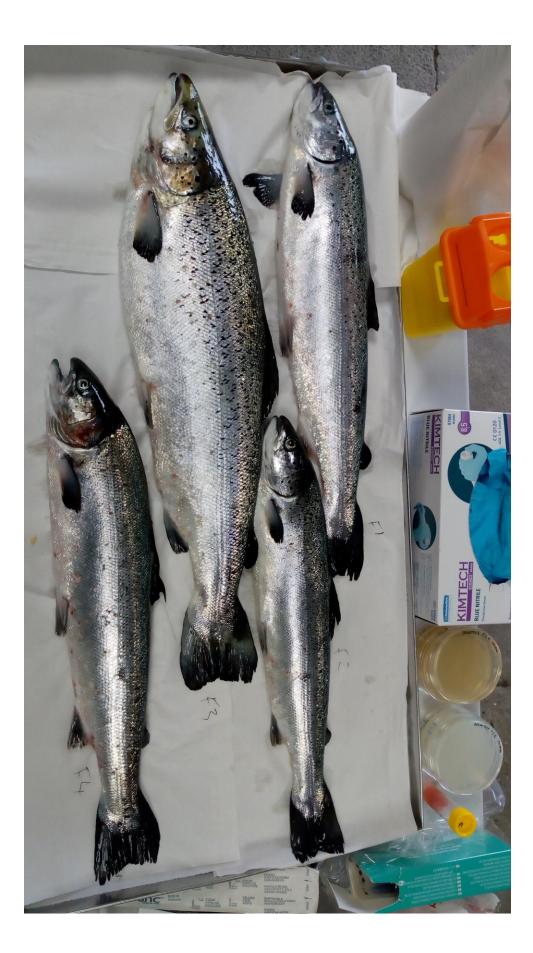
Case No: 2020-0335

Nature of non-compliance:

Action taken (FHI):

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

Case No:	2020-0335	l		Date of visit	21/08/2020			
Site No:	FS0800	l		Inspector				
Results Summary	Freq.			Da	te of Notifica	ition		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
MG SAV	0/1	25/09/2020						
MG VHS	0/1	25/09/2020						
MG ISA MG IPN	0/1	25/09/2020						
MG IPN	0/1	25/09/2020						
MG IHN	0/1	25/09/2020						
MG SAL POX	3/4	25/09/2020						
MG PARA THER Q	4/4	25/09/2020						
MG AGDQ	4/4	25/09/2020						
GPAT	4/4	25/09/2020						
EPIT	3/4	25/09/2020						
PMCH	4/4	25/09/2020						
VSPE	4/4	25/09/2020						
NSIG	3/4	25/09/2020						
		-		-	_			
Report Summary								
Case Type NO REPORT ISSUED	Date	Insp	2 nd Insp					
NO REPORT ISSUED		•						



Fish 1 to Fish 4



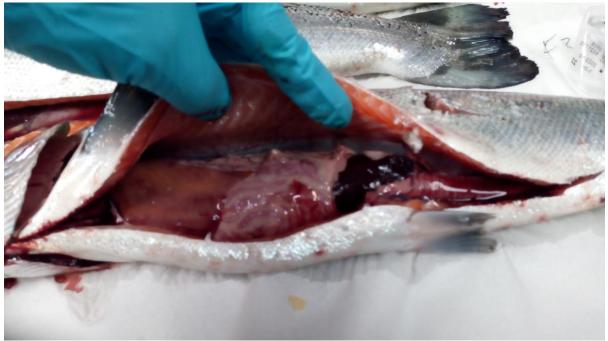
Fish 1 – Internal



Fish 2 – Internal



Fish 3 – Internal



Fish 4 internal