FHI 059, Version 13	Is	sued by: FHI	Date of issue: 12/05/2020						
Case No: 2023-0063			Date of visit: 28/02/2023						
Time spent on site: 4h	nrs	Main Inspecto	pr:						
Site No: FS0323 Business No: FB0235	Site Name: Business Name:	Cairndow Hatchery Cooke Aquaculture (Freshwat	er) Ltd						
Case Types: 1 ECI 2	CNI 3 VMD	4 5	6						
Water Temp (°C): 9.5	Thermometer No:	T305	FHI 045 completed N/A						
Observations:	Region: ST	Water type: F	CoGP MA:						
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N N									
UNI/REG only - if unable to carry out intended visit detail reason below:									

Additional Case Information:

Unreported mortality 2022/wk21 5g to smolting 2.03% (27,952); first feed to 5g - 0,72%; whole site 1.4%

stock split: for 2023/wk06 whole site 2.02% (64,286) of which 55,000 failed ova.

Ensiled wasted collected by Denam environmental.

Water temperature: UnitB = 9.5C, Unit C = 9.4C, Unit E = 3.6C

Smolts: Some fin damage was evident in some tanks, some tanks this seemed to be more the pectoral find in other tanks this seemed to be more the dorsal fin. Water very clear and otherwise fish appeared to be in good condition. Fish sampled for VMD appeared healthy.

Fry: These appeared to be in good condition. Aquagen (from Quoys) and Stofnfiskur stock on site. Aquagen stock seemed to be moving through the water column more freely, whereas Stofnfiskur stock appeared to congregate at the bottom of the

Alevins: Appear to be in good condition. The way these are hatched in small tanks, rather than comp hatch tray makes removal of dead eggs more difficult. Dead egg with fungus were observed in a few tanks. These don't appear to cause any issues and will be removed once fish are moved. Site generally very little fungus problems.

Surveillance Frequency assessment amended 16/10/23: Compliance with CoGP/Regulator changed from Yes to No, adding 3 points. Changing the surveillance frequency from Medium to High. EC report reissued with amended surveillance frequency.

Date of Visit: 28/02/2023 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 sections) 1. Thatchery, 75 tanks 76 tanks 75 tanks	FHI 059, Version 13			Issue	ed by: FHI			Date of issue	e: 12/05/2020
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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? 2021/wk51: failed hatch 5.94% (below reporting threshold); first mortality attributed to IPN 2022/wk12 with ongoing mortality well under the threshold for reporting until 2022/wk 21 site mortality: 1.4% (below),	4. Recent mortality (I	last 4 wks):						10 5110 0.22 /0	(0,570 all
If yes, facility nos/no mortality per facility/no stock per facility/reason: 6. Any other peaks in mortality during period checked? 2021/wk51: failed hatch 5.94% (below reporting threshold); first mortality attributed to IPN 2022/wk12 with ongoing mortality well under the threshold for reporting until 2022/wk 21 site mortality: 1.4% (below),	• ,				1020, WHO: WHO	10 0110 01007	(1,000)		N
6. Any other peaks in mortality during period checked? Y 2021/wk51: failed hatch 5.94% (below reporting threshold); first mortality attributed to IPN 2022/wk12 with ongoing mortality well under the threshold for reporting until 2022/wk 21 site mortality: 1.4% (below),					reason:				
2021/wk51: failed hatch 5.94% (below reporting threshold); first mortality attributed to IPN 2022/wk12 with ongoing mortality well under the threshold for reporting until 2022/wk 21 site mortality: 1.4% (below),			·						
2021/wk51: failed hatch 5.94% (below reporting threshold); first mortality attributed to IPN 2022/wk12 with ongoing mortality well under the threshold for reporting until 2022/wk 21 site mortality: 1.4% (below),	6. Any other peaks in	n mortality du	ring period ch	ecked?					Y
ongoing mortality well under the threshold for reporting until 2022/wk 21 site mortality: 1.4% (below),					eporting thresh	nold): first mo	rtality attribut	ted to IPN 20	22/wk12 with
however <5g at 2.03% (over and not reported); 2022/wk22 4.32% (90,352) - reported, which represented									
If yes, detail: the peak in mortality attributed to IPN. Below reporting threshold following week.	If yes, detail:	_	•		•				
7. Have increased (unexplained) mortalities been reported to vet or FHI?									Y
If yes, detail action: Call out March 2022, when increased moratlity was first observed. Then identified as IPN.						ratlity was fire	st observed.	Then identifie	ed as IPN.
8. Have 'mortality events' been reported to FHI? If no, enter details on mortality events sheet.	8. Have 'mortality even	ents' been re	ported to FHI	? If no, enter o	details on mort	ality events sh	neet.		N

Treatments and Medicines Records 1. Recent treatments (see comment)?	N
If yes, detail:	11
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	N
4. Are fish in a withdrawal period?	N
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	Y
c. 7 no modifino dicitod appropriatory.	
Biosecurity Records	
Biosecurity records available for inspection?	Y
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered.	ered?
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary profes	
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 or	f a listed disease
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (ed	qual or higher Y
health status, certification if required)?	
Have the husbandry and biosecurity measures implemented between each epidemiological u	nit to minimise
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish	
7. Is documentation available regarding the measures in place to maintain the physical containing	
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).	
PCR postive for IPNV (March 2022). On-going issue with IPN through April & May 2022 with gru	mbling mortality noted.
Records checked between: 02/12/2021 - 28/02/2023	

FHI 059, Version 13					Issued by: FHI								
	Case no:	2023-00	063	Site No		FS0323			Date of v		28/0)2/2023	28/0
	Priority samples:	VI		ВА		PA		MG		,. HI			
	Time sampling starts/ends:		0:00		0:00		Inspecto	or:			VMD No). [8
	Environmental conditions:	1	Indoors	2		3		4	_	5			
	Summary samples	HIST		ВА		MG		VI		PA		Total Sa	mples
Α	dd Fish/Pools - click												
		1.0	0.4										
	Fish nos	1-2	3-4	5-6	7-8								
	Pool Group												
	Species	SAL	SAL	SAL	SAL								
	Average weight	146g	146g	146g	146g								
	Sex	N/A		N/A	N/A								
	Water Type	FW	FW	FW	FW								
sk Details		Stofnfiskur	Stofnfiskur	Stofnfiskur	Stofnfiskur								
Stock	Facility No	E1	E3	E5	E7								

02/2023 Additional Sample Information: Overdose Tricaine														
	Overdose Tribuino													
0	0 Total Tests assigned 0													

FHI 059, Version 13				Date of	of issue	: 12/05/2020	
Case Number:	2023-0063		Site No:	FS0323		nsp:	
Date of Visit	28/02/2023		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	
with GB) of susceptible species		novements on from equivalent zone or	0	0	10	26	0
	Number of supp	ocluding third country	0		18 10	26 14	5
					ļļ.		
Movements off	Frequency of m		0			10	3
Exposure via water	Trambol of door	Site contacts			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		1
		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				
	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	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		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				3
Platform access to cages	Yes		0	1			0
	No		2				
					Total		27
					Rank		HIGH

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2
Case No: 2023-0063	Site No:	FS0323
Sea Lice Inspection (Seawater Sites Only	Λ	
Has the site experienced sea lice problem		
	equivalent) fallowed synchronously on a single	year class basis?
•	icenced in-feed and bath sea lice medications (i	
azamethiphos and emamectin benzoate) a can these be deployed in a reasonable period	s well as access to suitable biological and/or me od of time?	echanical control measures, and
4. Is there a signed documented farm mana Management Area (or equivalent)?	agement agreement or statement relevant to the	site and CoGP Farm
5. Are sea lice count records available for in6. Do records adequately reflect the require	nspection? (Legal SSI, CoGP Annex 6) d standard specified in the SSI and the CoGP?	(Legal SSI, CoGP Annex 6)
7. Are sea lice (<i>L. salmonis</i>) record levels b records are inspected? (CoGP Annex 6)	elow the suggested criteria for treatment in the	CoGP during the period that
8. Have average adult female sea lice (<i>L. sa</i> 2 or above (from w/b 10/6/19) during the pe	almonis) numbers per fish been at a level of 3 or riod that records are inspected?	r above (prior to w/b 10/6/19) or
If yes, have these been reported to the Fish	Health Inspectorate? If no, FHI see comment.	
9. Is C. elongatus infestation at a level which	ch is considered to cause significant welfare pro	blems? (CoGP 4.3.81, 5.3.50)
•	nistered or other actions taken when <i>L. salmoni</i> elongatus is considered to have welfare implic	
11. Has any other action been taken (where		
•	ons taken had a significant impact upon the lice	
	ed out in cooperation between participating farm	
14. Is there a harvesting strategy for the site sea lice?	e, where fewer populations or part populations a	re neid without treatment for
15. Is there a site specific written lice managed scenarios during the escalation of a sea lice	gement procedure with waypoints describing se infestation?	t actions to deal with recognised
16. Do the sea lice levels observed on stock	ks reflect sea lice count data? If no please detai	I reasons.
Containment Inspection		
	age due to predators in the current or previous	
2. Are measures in place to mitigate agains	t the predation experienced on site? (Detail belo	y Y
If other, detail below:		
site inside, pest control		
·	xperienced on or in the vicinity of the site since	the last FHI inspection?
If Yes proceed with questions $4 - 9$. If No sl 4. Have these been reported to Scottish Mir		
·	forthwith (where they exist)? (CoGP – 4.4.37, 5	5.4.17)
	and local fisheries trusts forthwith (where they ex	
7. Were methods (if any) used to recover es	scapees? If yes give detail	
	agreed with local wild fish interests and was per	mission given by Scottish
Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	nimics the rick of further seemed (Not server	N in code but could
•	nimise the risk of further escapes? (Not covered	a in code but could
be considered under satisfactory meas 10. Is the site inspected as satisfactory with	regards to containment? If no, please detail rea	ason(s)
, , , , , , , , , , , , , , , , , , , ,	7, 1.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	, ,

Date of issue: 12/05/2020

Site No: FS0323

Case No: 2023-0063

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

Case No: 2023-0063 Site No: FS0323 Date of visit: 28/02/2023

Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass (SW SAL only):	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select reason(s):
23/05/22	29/05/2022	5g to smolting	11g	SAL		Weekly	2.03	Explained	IPN

If unexplained, select observations:	Total mortality during event (if available):	*	Yearclass Year
	27952	historic report, collected during site inspection 2023-0063	

Case No:	2023-0063			Date of visit:	28/02/2023	3				
Site No:	FS0323]		Inspector:						
				Date of Notification						
Results Summary	Freq.	Database	Inon	Phone Da	and .					
		Dalabase	Insp	FIIONE	Insp	Writing	Insp	2 nd Insp		
	+									
	1									
	Ì									
Report Summary				1						
Case Type	Date	Insp	2 nd Insp							
Case Type ECI, CNI, VMD	01/09/2023									
amended EC report	16/10/2023									
	+									
	+									



AMENDED FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

Business No FB0235 Date of Visit 28/02/2023

SITE NO FS0323 SITE NAME Cairndow Hatchery
CASE NO 20230063 INSPECTOR

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

This report replaces the fish health report R04 issued on 01/09/2023 by ______. The previous report should be discarded. The surveillance frequency of the site was incorrectly assessed as medium and an inspection would have been conducted every second year, however after review the site should have been assessed as high and an inspection under the Aquatic Animals Health (Scotland) Regulation 2009 will be conducted annually.

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.

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

Mortality records were inspected and found to be adequately maintained.

Mortality levels had exceeded the reporting criteria since the last inspection and had not been reported to the Fish Health Inspectorate. I would like to remind you of the industry agreement in relation to mortality reporting as detailed in A Code of Good Practice for Scottish Finfish Aquaculture.

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 inadequately maintained.

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

 The withdrawal period was not recorded for some treatments. This was addressed during the visit and has been inspected as rectified at the time of visit. No further action required.

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.

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.



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)