FHI 059, Version 12	ls	sued by: FHI	Date of issue: 08/10/2018			
Case No: 2020-0050			Date of visit: 18/02/2020			
Time spent on site:	6.5 hours	Main Inspec	tor:			
Site No: FS1296 Business No: FB0119	Site Name: Business Name:	Colonsay Mowi Scotland Ltd				
Case Types: 1 ESC	2 CNA 3	4 5	6			
Water Temp (°C):	Thermometer No:		FHI 045 completed			
Observations:	Region: ST	Water type: S	CoGP MA None			
Dead/weak/abnormally behavir Clinical signs of disease obser Gross pathology observed? Diagnostic samples taken? UNI/REG only - if unable to car	ved?	N/A If yes, see additional info N/A If yes, see additional info N/A If yes, see additional info N/A	ormation/clinical score sheet.			

## Additional Case Information:

Inspection of records carried out at Croabh Haven shorebase, unable to travel over to Colonsay due to poor weather. Further inspection carried on site under case 2020-0129 in order to inspect records not available at Croabh Haven and site equipment. Movement records, waste disposal records unavailable for inspection as these are held on barge.

Last mortality removal carried out 13/02/2020 by divers, usually mortality removal is carried out daily using dead baskets, however severe weather over the past few weeks has prevented staff accessing the site regularly.

Further inspection carried on site under case 2020-0129 in order to inspect records not available at Croabh Haven and site equipment. CNA report issued under case 2020-0129 but copied to this case for reference.

## Escape investigation

On 17th January, site staff observed structural damage to cage 4, positioned in the middle of the east grid. Divers attended site on the same day to inspect the cage further, a vertical hole in the net of cage 4 was discovered, approximately 1-2 metres in length, the hole was repaired by divers. The incident was reported to the fish health inspectorate on the same day confirming the loss of 73,600 fish. No recapture attempt was made due to the poor weather and fish not being visible at the surface. The remaining fish in the cage were then transferred to Cage 11, Cage 4 is now fallow.

The steel bars are connected to the stanchions via a bracket, fixed in place by a pin and nut. The design of the pin and nut assembly is such that the thread of the pin should be destroyed when the nut is fixed in place so that it is unable to unscrew. In this instance the nut appears to have come off, allowing the pin to come loose and the fixing to fail.

The cages installed on Colonsay are the Aqualine Midgard System model. All cages where removed from site at the end of the last production cycle and taken to Kyleakin for refurbishment and maintenance. This included the installation of the steel bars, previously dyneema ropes had been used. Refurbishment work was carried out by Specialist Welding on behalf of Aqualine, an Aqualine technician was present during the work being carried out. Following completion of the refurbishment the cages were transported in batches back to Colonsay where they were installed back at the site, this work was carried out by Mowi staff. Installation of the cages took place over several weeks. An Aqualine technician was on site for 1-2 days during the installation. After the first 8 cages had been installed, inspection showed that a number of the fixing pins had lifted out of position and some cases the nut was not in place. Specialist welding attended site and replaced missing nuts and tightened all fixings. All cages and nets where inspected by site staff and divers before fish were stocked. Dive inspection records are held on site barge and so were unavailable for inspection.

During the investigation there was no evidence of records being in place for the following:

• Product specification sheets giving details on the equipment used (specs taking into account the environmental conditions equipment will be subjected to on site)

• Manufacturing guidance documents for the installation of the steel bars.

- Works sign off records to show cages had been inspected as satisfactory prior to being transported to site.
- SOP or guidance document for inspection of cage equipment on site.

During the investigation, the conclusion section from an independent investigation carried out by Scale AQ (Aqualine parent company) was inspected. The complete report was not made available for inspection.

The conclusion stated that:

• Net fastening points were incorrect – net fastening between main rope and floating collar are on handrail post.

• Occasional use of under-dimensioned ropes (10-12mm) observed for attachment of main rope on other inspected cages.

• Incorrect fastening of nets means it does not retain brackets in absence of tendon system – causing handrail posts to detach from brackets.

Mowi staff and dive teams are inspecting the remaining 13 cages on site when weather allows, at time of inspection 8 cages had been inspected, with fixings being tightened. New steel plates are being made which will be installed on the current fixings, these will enclose the pin and bolt assembly to aid in holding the fixings in place.

FHI 059, Version 12	2 Issued by: FHI Date of issue: 08/10/201									
Case No:	2020-0050		Site No:	FS1296						
Date of Visit:		18/02/2020			Inspector(s):			]		
Registration/Authorisation Details         1. Business/site details summary checked by site representative?         2. Changes made to details?										
Site Details										
Total No facilities		14	Facilities sto	cked	13	No facilitie	es inspected	0		
Species	SAL									
Age group	2019 Q2									
No Fish	944,207									
Mean Fish Wt	1.95 kg									
Next Fallow Date (S	ite)	December 20	020	Next Input Da	ite (Site)	2020 Q2				
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	Y		
			wing storm 1	7/01/2020, esti	mated 73,600	fish escape	ed.			
Movement Records	s									
1. Movement record	s available fo	r inspection?						N/A		
2. Date of last inspe							07/11/2019			
3. Are records comp	lete and corre	ectly entered?	•					N/A		
4. Are movement re	cords availab	le for dead fis	h and waste?	?				N/A		
5. Are records comp		-						N/A		
6. Are health certific	ates for introc	ductions (outw	ith GB) availa	able?				N/A		
Transport Records										
1. Are any movement of yes, is there a systematic systematic structure of the systematic systematic structure of the systematic structure of t										
Mortality Records										
1. Mortality records a	available for i	nspection?						Y		
2. How are mortalitie	es disposed o	f?			Ensiled - on s	site				
If other detail:		te collected by	-							
3. Mortality records of	•	•								
4. Recent mortality (	· · · · · · · · · · · · · · · · · · ·		4378 (0.46%	) across site				N		
<ol> <li>Evidence of recerning If yes, facility nos/no</li> </ol>		••		reason.				IN		
	montality per	Taointy/110 Sto		ricason.						
6. Any other peaks i	n mortality du	ring period ch	ecked?					Y		
	w/b 18/11/19	9 - 15643 (1.4	%), w/b 25/11	1/19 - 11885 (1	.08%), w/b 01	/12/19 - 164	447 (1.51%), v	w/b08/12/19 -		
If yes, detail:		%). Mortality a								
7. Have increased (i	7. Have increased (unexplained) mortalities been reported to vet or FHI?									
Reported to FHI, inspector had attended site on 07/11/19 following previously reported increased mortality.										
8. Have 'mortality ev	ents' been re		•	IRT case and e	enter on morta	lity events	sheet.	Y		
		•				•				

1. Recent treatments (last 4 wks)?	
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: 07/11/2019 - 17/02/2020	

Case No:       2020-0050       Site No:       FS1296         Date of visit       1902/2020       Inspector(s):       JET         Point of compliance       Risk level       Satisfactory?       Requirement       Comments and advice given or action taken if necessary         ENHANCED CONTAINMENT INSPECTION (SEAWATER)	FHI 059, Version 12		Issue	ed by: FHI	Date of issue: 08/10/20			
Point of compliance         Risk level         Satisfactory?         Requirement         Comments and advice given or action taken if necessary           ENHANCED CONTAINMENT INSPECTION (SEAWATER)         . <td< th=""><th>Case No</th><th>2020-0050</th><th>Site No:</th><th>FS1296</th><th></th></td<>	Case No	2020-0050	Site No:	FS1296				
ENHANCED CONTAINMENT INSPECTION (SEAWATER)         a. Enquiry relating to i) escape incidents and ii) contingency procedures         1.1. Have escape incidents or events <sup>1</sup> been experienced on or in the vicinity of the site since the last MSS inspection?         If yes answer 1.2-1.8:         1.2. Have appropriate regorts been made to Scottish Government within 24 hours of discovery?         1.3. Have these been reported to the SSPO <sup>2</sup> and, where in existence, the local DSPB and fisheries trus?         1.4. Wave methods (if any) used to recover escapees?         IV yes give detail         1.5. Wase prevents of use on the entities of under the method employed agreed with the local DSPB and Fisheries trus?         1.4. Wave methods (if any) used to recover escapees?         IV yes give detail         1.5. Wase the decision to attempt to recapture and the method employed agreed with the local DSPB and Fisheries trus?         1.4. Wave methods (if any) used to recover escapees?         IV were the gli nets deployed in accordance with the permission issued by Marine Scottand?         1.6. Wase permission sought from Natine Scottand prior to recepture?         1.7. Wave methods (if any) used to functione with the permission is proving the erisk of further escapes?         1.9. In there a site apactific contingency plan in response to failures in the result of further escapes?         1.9. In there a site apactific contingency plan in response to failures in containment, almed at preventing escapes and recovering escape and recovering escape and recoveri	Date of visit	: 18/02/2020	Inspector(s):	JET				
a. Enquiry relating to 1) escape incidents and ii) contingency procedures  1.1. Have escape incidents or events <sup>1</sup> been experienced on or in the vicinity of the site since the last MSS inspection?  If yes answer 1.2-1.8: 1.2. Have appropriate reports been made to Scottish Government within 24 hours of discovery?  1.3. Have these been reported to the SSP0 <sup>2</sup> and, where in evidence, the local DSFB and FT 1.4. Were methods (if any) used to recover escapes?  If yes give detail  1.6. Was permitted to the SSP0 <sup>2</sup> and where in evidence, the local DSFB and FT 1.6. Was permitted to the SSP0 <sup>2</sup> and the method employed agreed with the local DSFB and FT 1.6. Was permitted to the SSP0 <sup>2</sup> and the method issued by Marine Scotland?  1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?  1.9. Is there a site specific contingency plan in response to failures in fusion sough from the method is appropriate reported to fusion by marine scotters and the oral DSFB and free exception of a tempt to recovering escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?  1.9. Is there a site specific contingency plan in response to failures in contents in place indicating the correct installation of fusion guits for the secape event, facilities and the site been taken to prevent and minimise the risk of further escapes?  1.9. Is there a site specific contingency plan in response to failures in contents in place indicating the correct installation of fusion guits for the secape event. So fusion for the secape event, facilities and the site been events. Now  1.9. Inspection of records relating to equipment, facilities and the site been events in the permission is approximate and maintenance being carried out. Dive checks increased, previously monthly checks and before and after specific contingency plan in response to failures in contents in place indicating the correct installation of fusion guits for the secape and the specific	Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary			
1. Have escape incidents or events' been experienced on or in the vicinity of the site since the last MSS inspection?       Y       Damage to one cage following storm 17/01/2020, estimated 73,600 fsh escaped. Hole in net a result of falure in fixing, which connects steel bar between stanchions, causing structural failure in cage.         12. Have apportate reported to the SSPO <sup>2</sup> and, where in existence, the local DSFB and fFheres struct?       Heldum       CoGP 4.4.37, 54.17       See case 2020-0129         14. Wave methods (f any) used to recover escapes?       N       CoGP 4.4.38, 54.18       FHI notified on 17/01/2020 - MSe170120SAL1         15. Was the decision to attempt to recource and the method employed agreed with the local DSFB and FT       Low       N/A       CoGP 4.4.38, 54.18         16. Was permitted from Marine Scottand?       N/A       CoGP 4.4.38, 54.18       Remaining cages being inspected and maintenance being carried out. Dive checks increased, previously monthly checks and before and after specific previously monthly checks and before and after specific previously monthly checks and before and after specific previously monthly checks are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining bracksta are to be inspecing the cage system. Steel realining brackstas are to be inspecing the cage system. Steel realining	ENHANCED CONTAINMENT INSPECTION (SEAWATER)							
vicinity of the site since the last MSS inspection?       If yes answer 1.2-1.8:         12. Have appropriate reports been made to Scottish Government within 24 hours of discover?       High         13. Have these been reported to the SSPO <sup>2</sup> and, where in existence, the local DSFB and fibenies trust?       High         14. Were methods (if any) used to recover escapees?       N         15. Was the decision to attempt to recepture and the method employed agreed with the local DSFB and FT       Low         16. Was permission sought from Manne Scotland prior to recepture?       CoGP 4.4.38, 5.4.18         17. Were the gill nets deployed in accordance with the permission issued by Marine Scotland?       Low         18. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?       NA         19. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escaped fish?       High         19. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escaped fish?       Sil, 2.9         bij). Inspection of records relating to equipment, facilities and the site       Sil, 2.9	a. Enquiry relating to i) escape incidents and ii) contingency pro	ocedures						
If yes answer 1.2-1.8:       1.2. Have appropriate reports been made to Scottish Government within 24 hours of discovery?       High       Y       AAAH Regs <sup>4</sup> 31D,E       FHI notified on 17/01/2020 - MSe170120SAL1         1.3. Have these been reported to the SSPO <sup>3</sup> and, where in existence, the local DSFB and fisheries trust?       Medium       CoGP 4.4.37, 5.4.17       See case 2020-0129         1.4. Were methods (if any) used to recover escapees?       N       N       CoGP 4.4.38, 5.4.18       See case 2020-0129         1.5. Was the decision to attempt to recapture and the method employed agreed with the local DSFB and FT       Low       N/A       CoGP 4.4.38, 5.4.18       See case 2020-0129         1.6. Was permission sought from Marine Scotland?       Low       N/A       CoGP 4.4.38, 5.4.18       Remaining cages being inspected and maintenance being carried out. Dive checks increased, previously monthly checks and before and after specific procedures and poor veather events. Now inspecific procedu		e	Y		fish escaped. Hole in net a result of failure in fixing, which connects			
within 24 hours of discovery?       Image: Letter to the second sec	If yes answer 1.2-1.8:			1				
existence, the local DSFB and fisheries trust?       I.4. Were methods (if any) used to recover escapees?         1.4. Were methods (if any) used to recover escapees?       N         1.5. Was the decision to attempt to recapture and the method employed agreed with the local DSFB and FT       Low         1.6. Was permission sought from Marine Scotland prior to recapture?       N/A       CoGP 4.4.38, 5.4.18         1.7. Were the gli lets deployed in accordance with the permission issued by Marine Scotland?       Low       N/A       CoGP 4.4.38, 5.4.18         1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?       Low       N/A       CoGP 4.4.38, 5.4.18         1.9. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escaped fish?       High       Y       SSI, 2.9		High	Y	AAAH Regs <sup>4</sup> 31D,E	FHI notified on 17/01/2020 - MSe170120SAL1			
If yes give detail       1.5 Was the decision to attempt to recapture and the method employed agreed with the local DSFB and FT         1.6. Was permission sought from Marine Scotland prior to recapture?       N/A       CoGP 4.4.38, 5.4.18         1.7. Were the gill nets deployed in accordance with the permission issued by Marine Scotland?       N/A       CoGP 4.4.38, 5.4.18         1.7. Were the gill nets deployed in accordance with the permission issued by Marine Scotland?       Low       N/A       CoGP 4.4.38, 5.4.18         1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?       Low       N/A       CoGP 4.4.38, 5.4.18         1.9. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escapes and recovere the escape escape escape escape escape escape escap		Medium		CoGP 4.4.37, 5.4.17	See case 2020-0129			
1.5 Was the decision to attempt to recapture and the method employed agreed with the local DSFB and FT       Low       N/A       CoGP 4.4.38, 5.4.18         1.6. Was permission sought from Marine Scotland prior to recapture?       Medium       N/A       CoGP 4.4.38, 5.4.18         1.7. Were the gill nets deployed in accordance with the permission issued by Marine Scotland?       N/A       CoGP 4.4.38, 5.4.18         1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?       N/A       CoGP 4.4.38, 5.4.18         1.9. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escaped fish?       High       Y         SSI, 2.9       SSI, 2.9			Ν					
employed agreed with the local DSFB and FT         1.6. Was permission sought from Marine Scotland prior to recepture?         1.7. Were the gill nets deployed in accordance with the permission issued by Marine Scotland?         1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?         High         1.9. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escape fish?         b(i). Inspection of records relating to equipment, facilities and the site		Low	NI/A	CoCD 4 4 29 5 4 19				
1.6. Was permission sought from Marine Scotland prior to recepture?       Medium       N/A       CoGP 4.4.38, 5.4.18         1.7. Were the gill nets deployed in accordance with the permission issued by Marine Scotland?       N/A       CoGP 4.4.38, 5.4.18       Remaining cages being inspected and maintenance being carried out. Dive checks increased, previously monthly checks and before and after specific procedures and poor weather events. Now inspecting whenever weather allows. ROV has been purchased for inspecting whenever weather allows. ROV has been purchased for inspecting whenever weather allows. ROV has been purchased for inspecting the cage system. Steel Pars to keep them in place. No documents in place indicating the correct installation of fixing nuts for steel bar supports for stanchions, or SOP for how they can be inspected as correctly installed. Further details in case 2020-0129         1.9. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escaped fish?       High       Y       SSI, 2.9         b(i). Inspection of records relating to equipment, facilities and the site		LOW	N/A	COGP 4.4.36, 5.4.16				
Issued by Marine Scotland?         1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?         High         1.9. Is there a site specific contingency plan in response to failures in containment, aimed at preventing escapes and recovering escaped fish?           b(i). Inspection of records relating to equipment, facilities and the site	1.6. Was permission sought from Marine Scotland prior to	Medium	N/A	CoGP 4.4.38, 5.4.18				
1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?       High       Remaining cages being inspected and maintenance being carried out. Dive checks increased, previously monthly checks and before and after specific procedures and poor weather events. Now inspecting whenever weather allows. ROV has been purchased for inspecting the cage system. Steel reataining brackets are to be installed on fixings for steel bars to keep them in place. No documents in place indicating the correct installation of fixing nuts for steel bar supports for stanchions, or SOP for how they can be inspected as correctly installed. Further details in case 2020-0129         1.9. Is there a site specific contingency plan in response to failures escaped fish?       High       Y       SSI, 2,9         b(i). Inspection of records relating to equipment, facilities and the site		Low	N/A	CoGP 4.4.38, 5.4.18				
in containment, aimed at preventing escapes and recovering escaped fish? b(i). Inspection of records relating to equipment, facilities and the site	1.8. In light of the escape event, has appropriate action been taken to prevent and minimise the risk of further escapes?				out. Dive checks increased, previously monthly checks and before and after specific procedures and poor weather events. Now inspecting whenever weather allows. ROV has been purchased for inspecting the cage system. Steel reataining brackets are to be installed on fixings for steel bars to keep them in place. No documents in place indicating the correct installation of fixing nuts for steel bar supports for stanchions, or SOP for how they can be			
	in containment, aimed at preventing escapes and recovering	High	Y	SSI, 2,9				
General records	b(i). Inspection of records relating to equipment, facilities and	the site						
	General records			CoGP: 4.4.9, 4.4.14,				

Point of compliance	Risk level	Satisfactory?	Requiremen	t	Comments and advice given or action taken if necessary		
2.1 With regard to each facility, net, screen and mooring at each			SSI 2,1				
site, a record should be maintained of:-							
		Facilities	Moorings	Nets			
a) The name of the manufacturer	Low		Y	Y	cage records outstanding - See case 2020-0129		
b) Any special adaptations	Low		N/A	N/A	See case 2020-0129		
c) The name of the supplier	Low		Y	Y	See case 2020-0129		
d) The date of purchase	Low		Y	Y	See case 2020-0129		
e) Each inspection including				_			
i) the name of the person conducting the inspection	Low			_	See case 2020-0129		
ii) the date of each inspection	Medium			_	See case 2020-0129		
iii) the place of each inspection	Low			_	Dive reports, and daily checksheets on barge covering inspections		
iv) the outcome of each inspection	High			_	See case 2020-0129		
f) the date and result of each repair, equipment test and antifouling treatment carried out	High				See case 2020-0129		
2.2. In relation to each net a record of:							
i) The mesh size	Medium	Y	SSI, 2,2				
ii) The code which appears on the identification tag	Medium	Y					
iii) The place of use, storage and disposal	Medium	Y					
iv) The depth of water between the bottom of the net and the	Low	Y					
seabed as measured at the mean low water spring							
2.3. In relation to each facility a record of:			1				
i) The date of construction	Low		SSI, 2,3		See case 2020-0129		
ii) The material used in construction	Low				See case 2020-0129		
iii) Its dimensions	Low				See case 2020-0129		
2.4. In relation to each mooring a record of-			SSI, 2,4				
i) The date of installation	Low	Y					
i) The design and weight of the anchors	Low	Y					
iii) The length of the mooring ropes or chains	Low	Y					
2.5. A record of any navigation markers deployed at each site at which fish are farmed	Low	Y	SSI, 2,5				
2.6 In respect of sites at which fish are farmed in inland waters <sup>3</sup>			SSI, 2,6				
a) The type, method of and date of construction of any flood prevention or flood defence measures in place	Low		1				
b) The date of and results of any tests conducted on any such measures	Low		1				
c) The date of any incident where the site was flood	Low						
d) The water course height during any such flood incident 2.6 A record of-	Low		SSI, 2,7				
<ul> <li>a) The date of any severe weather event which caused damage to any facility, net or mooring</li> </ul>	Medium		SSI, 2,11 (a)		In site diary on barge - See case 2020-0129		

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
b) Any action taken to rectify any such damage	High		SSI, 2,11 (b)	See case 2020-0129
Pen and mooring systems				
2.7 Are there documented procedures maintained regarding the	High	Y	CoGP 4.4.8, 4.4.13	
selection and installation of pens and moorings?				
2.8 Can the site demonstrate evidence that the design specification	High		CoGP 4.4.9, 4.4.14	See case 2020-0129
of pens and moorings are suitable for purpose and correctly installed?				
2.9 Do pen systems meet the manufacturers guidelines?	High	N	CoGP 4.4.10	Scale AQ report states incorrect fastening points for ropes.
2.10 Are pen systems inspected and approved by suitably qualified /	High	Y	CoGP 4.4.11	
experienced person(s)?				
2.11 Is there evidence of the competence of personnel involved in	High		CoGP 4.4.12, 4.4.15	Letters of competence - Mallaig marine, morenot, (aqualine letter of
the design, installation and maintenance of pen and mooring				competence not available) - See case 2020-0129
systems?	1.12		0.00.4440	0
2.12 Are pen and mooring components inspected with a) a documented SOP	High		CoGP 4.4.16	See case 2020-0129
b) a documented inspection plan based on a risk assessment				
2.13 Do all nets used on site meet industry standards?	High	V	CoGP 4.4.17	
2.14 Can the site demonstrate an awareness of the minimum fish	High	Y	CoGP 4.4.19	
size in relation to net size	. ngri			
2.15 Does the net design, quality and standard of manufacture take	High		CoGP 4.4.20	See case 2020-0129
into account the conditions that are likely to be experienced on site				
and include adequate safety margins?				
2.16 Are nets treated with a UV inhibitor?	Low	N	CoGP 4.4.21	
2.17 Are nets tested at a pre-determined frequency?	High	Y	CoGP 4.4.22	
2.18 Is the method of test procedure based upon the manufacturers advice?	High	Y	CoGP 4.4.22	
2.19 Are frequent net inspections conducted to look for damage?	High	V	CoGP 4.4.23	
2.20 Are net inspection records maintained?	High		CoGP 4.4.23	dive reports held on barge - See case 2020-0129
2.21 Is the system by which nets are attached to the pen and	High	Y	CoGP 4.4.24	
weighted inspected frequently?	g			
	High	Y	CoGP 4.4.25	Following escape event MSe170120SAL1, net was repaired,
or the potential for damage exists, has remedial action been taken?				remaining fish in cage then harvested out. Net subsequently
				removed. Remaing cages being inspected with fixings being
				tightened. Additonal equipment (steel brackets) are to be installed on fixings.
				inningə.
b(ii). Inspection of records relating to training				
3.1 Are training programmes and plans relevant to the various	High	Y	CoGP 7.1.8	
onsite activities documented?				

FHI 059, Version 12		Issue	d by: FHI	Date of issue: 08/10/201			
Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary			
3.2 Is there a satisfactory record of all training and qualifications for each person working at the site in relation to any boat operations? (This excludes well boat operations)	High	Y	SSI 2,6,a				
3.5 With respect to any transfer of or handling of fish is there a record of all training of each person working on site in relation to containment and prevention of escape of fish, and recovery of escaped fish?	High	Y	SSI 2,7,a				
b(iii). Inspection of records relating to procedures and risk asse	ssments						
4.1 Are procedures which could increase the risk of fish escaping considered to be carefully planned and supervised to minimise risk?	High	Y	CoGP 4.4.29, 5.4.12				
4.2 Before procedures are conducted on site, are the following in place:			CoGP 4.4.30, 5.4.13 SSI 2,7, b , SSI 2, 8, c				
a) a documented risk assessments	High	Y					
b) standard operating procedures	High	Y					
<ul> <li>c) contingency plan</li> <li>4.3 In relation to any boat operations at each site at which fish are farmed is there a record of</li> </ul>	High	Y					
-The type and size of each boat used for operations on the site	Low	Y	SSI 2,6,b				
- The type and size of any propeller guard fitted to each boat used on the site	Low	N/A	SSI 2,6,c				
4.4 Does the site suffer from regular or heavy predation?		Y					
4.5 Are there records of site specific risk assessments ascertaining the risk of predator attack?	Medium	Ŷ	CoGP 4.4.26				
4.6 Are there risk assessments undertaken on a pre-determined frequency?	Low	Y	CoGP 4.4.26				
4.7 A record of any anti-predator measures undertaken at each site at which fish are farmed including:			SSI, 2,8,a				
The type and location of each net, fence and scarer deployed	Medium	Y					
- The use of lethal means by any person involved in operations on the site	Low	Y	SSI, 2,8,b				
4.8 Where predator nets are deployed is the advice of Annex 7 considered?	Low	N/A	CoGP 4.4.27				
c. Inspection of site and site equipment							
5.1 Are there any obvious containment issues on the site?	High			See case 2020-0129			

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
5.2 Is the net mesh size considered to be capable of containing all fish sizes present on site?	High		CoGP 4.4.18	See case 2020-0129

FHI 059, Version 12		Issue	d by: FHI	Date of issue: 08/10/20
Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
5.3 Do nets carry numbered ID tags?	Low		SSI 2,2 ii	See case 2020-0129
Look at a percentage of nets on site - Does the net location meet the inventory?	Low			See case 2020-0129
5.4 Are nets stored away from direct sunlight?	Low		CoGP 4.4.21	See case 2020-0129
5.6 Are appropriate measures in place to mitigate predation on site? (Provide detail if necessary)				See case 2020-0129
5.7 Are boat operations conducted in such a manner which prevents damage to nets and pens?	High		CoGP 4.4.28	See case 2020-0129
5.8 Is there a requirement for navigation markers to be deployed?	Low		MSA <sup>5</sup> 2010 P4, S21	See case 2020-0129
5.9 If yes, has this been done in accordance with the necessary requirements?	Low		MS Marine licence	See case 2020-0129
5.10 If Yes to 5.8 is there a record of any navigation markers deployed?	Low		SSI 2,5	See case 2020-0129
d. Inspection of site specific procedures				
6.1 Are pen nets examined for holes, tears or damage prior to and	High		CoGP 4.4.31	See case 2020-0129
during the stocking, moving or crowding of fish? 6.2 If helicopter transfer of fish is conducted are receiving pen(s) properly prepared:-			CoGP 4.4.32	See case 2020-0129
a) nets should be secure	High			See case 2020-0129
b) pens should be marked with buoys clearly visible from the air	High			See case 2020-0129
c) radio contact between farm staff and helicopter crew should be maintained or where this is not possible, pens receiving fish should be manned	High		CoGP 4.4.33	See case 2020-0129
Consideration should be given to all other site procedures being undertaken during the visit with respect to containment and the risk of fish farm escapes				

Point of compliance	Risk level	Satisfactory?	Requirement	Comments and advice given or action taken if necessary
Additional actions	Powers			Comments and advice given or action taken if necessary
e) Collection of samples If necessary collect samples. Indicate if samples have been taken and detail what those samples are and the purpose of their collection	Power grante	d under the Act	– section 5 (3) (a)	
<ul> <li>h) Enforcement Notice.</li> <li>If an enforcement notice has been issued then maintain a copy / duplicate and record detail</li> <li>Guidance on completing the Enforcement Notice</li> </ul>	Power grante	d under the Act	– Section 6 (2)	

1 An 'escape event' can be defined as any circumstances on or in the vicinity of a fish farm which are believed to have caused an escape, or which may have given rise to a significant risk of an escape of fish.

2 FHI interpretation - Informing the SSPO is only a requirement where the site belongs to an Authorised Production Business which is signed up to the CoGP.

3 being waters which do not form part of the sea or any creek, bay or estuary or of any river as far as far as the tide flows

4 The Aquatic Animal Health (Scotland) Regulations 2009 (as amended)

5 The Marine Scotland Act 2010

Case No:	2020-0050	Date of visit: 18/02/2020								
Site No:	FS1296	]		Inspector:		]				
Results Summary	Freq.			Dat	te of Notifica	tion				
,		Database	Insp	Phone	Insp		Insp	2 <sup>nd</sup> Insp		

Report Summary			
Case Type	Date	Insp	2 <sup>nd</sup> Insp
C.N.A	20/11/2020		
Case completion	24/08/2022		