FHI 059, Version 11	Issu	ued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0241			Date of visit: 30/05/2018
Time spent on site:	0 minutes	Main In	spector: ALW
Site No: SS0642 Business No: SB0430	Site Name: Business Name:	Quilse Blueshell Mussels Ltd	
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additiona	al information/clinical score sheet. al information/clinical score sheet. al information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit detail re	ason below:	

# **Additional Case Information:**

Five lines stocked with large mussels and retubed stock from Easter Hogaland, Lee, Stream Sound and Busta Voe. Have been harvesting from this site this year. Some smaller stock retubed at Lee, East of Brunt Hamarsland, Millburn, Busta Voe and Foulawick.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0241		Site No:	SS0642				
Date of Visit:		30/05/201	8		Inspector(s):	ALW		1
Registration/Authornamental 1. Business/site detail 2. Changes made to	ails summary		site representa	ative?			Y Y	
Site Details								
Total No facilities		7 lines	Facilities sto	cked	5 lines	No facilitie	s inspected	7 lines
Species	MED							
Age group	Adult/Juv							
No Fish	5 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	•							
Movement record		or increation?						Y
2. Date of last inspe		or inspection:					18/07/2016	
3. Are records comp		rectly entered	?				10/01/2010	Y
4. Are movement re		•						N/A
5. Are records comp								N/A
6. Are health certific				able?				N/A
Transport Records		,	ŕ					
Are any movement	nts carried ou	ut by (or on be	ehalf) of the bu	ısiness (not usi	ing a STB)?			
If yes, is there a sys	tem in place	for maintenar	nce of transpor	rtation records	?			
<b>Mortality Records</b>								
1. Mortality records	available for	inspection?						Y
2. How are mortalities					Other (detail)			
If other detail:		(empty shells)						
3. Mortality records	•	d correctly en						Y
4. Recent mortality (	· · · · · · · · · · · · · · · · · · ·		No observed	l mortality				
5. Evidence of recer		• •		/				N/A
If yes, facility nos/no	топашу ре	r racility/no st	ock per facility	reason:				
6. Any other peaks i	n mortality di	uring period c	hecked?					N/A
If yes, detail:		uning ported o						,,,,,
7. Have increased (	unexplained)	mortalities be	een reported to	vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality ev	ents' been re	eported to FH	I? If no, add M	IRT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		
If you dotail:		

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		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recordin	g and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scotti	sh 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 is detected been included and <i>how</i> and <i>when</i> that will be notified		Y
5. Has the health status of aquaculture animals being stocked of health status, certification if required)?	n the farm site been covered (equal or higher	Y
6. Have the husbandry and biosecurity measures implemented transmission of disease been covered (movement of staff, visito		Y
7. Is documentation available regarding the measures in place t aquaculture animals held on site?	o maintain the physical containment of	Y
8. Have the biosecurity procedures been adequately implement	ed on site?	Y
If no, detail:		
Results of Surveillance		
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: 18/7/16 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0241 SS0642 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

Case No:	2018-0241			Date of vis	sit: 30/05/20	)18			
Site No:	SS0642	Inspector: ALW							
Results Summary	Freq.			[	Date of Notif				
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
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	+	1		+				+	
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Report Summary				7					
Case Type	Date	Insp	2 <sup>nd</sup> Insp	7					
ECI	19/06/201		DCB	-					
	10,00,00	,		-					
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Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0642Site NameQuilseInspectorAndrea WarwickCase No20180241

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI		Date of issu	e: 12/09/2017
Case No: 2018-0242				Date of visit: 30/0	5/2018
Time spent on site:	30 minutes	Ma	in Inspector:	ALW	
Site No: SS0670	Site Name:	Lee, Busta Voe			
Business No: SB0430	Business Name:	Blueshell Mussels L	td		
Case Types: 1 ECI	2 3	4 5	=	6	
Water Temp (°C): 9.2	Thermometer No:	T148	F	FHI 045 completed	
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behaving	ng fish present?	N If yes, see addi	tional informa	ation/clinical score	sheet.
Clinical signs of disease observ	/ed?	N If yes, see addi	tional informa	ation/clinical score	sheet.
Gross pathology observed?		N If yes, see addi	tional informa	ation/clinical score	sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to car	ry out intended visit detai	il reason below:			

# **Additional Case Information:**

Eight lines stocked with large mussels and retubed stock from West of Grobsness, Quilse, Wetherstaness Houbanster, Foulawick and Easter Hogaland.

Have been harvesting from this site this year. Some smaller stock retubed at Quilse, East Linga, Millburn, Foulawick and Hevden Ness.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0242		Site No:	SS0670				
Date of Visit:		30/05/201	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		9 lines	Facilities sto	cked	7 lines	No facilitie	s inspected	9 lines
Species	MED							
Age group	Adult/Juv							
No Fish	7 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	•							
Movement record		or inconction?						Y
2. Date of last inspe		or mopection:					19/08/2015	
3. Are records comp		rectly entered	?				13/00/2013	Y
4. Are movement re		•						N/A
5. Are records comp								N/A
6. Are health certific				able?				N/A
Transport Records		`	,					
Are any movement	nts carried ou	ut by (or on be	ehalf) of the bu	siness (not usi	ing a STB)?			
If yes, is there a syst	tem in place	for maintenar	nce of transpor	tation records	?			
<b>Mortality Records</b>								
1. Mortality records	available for	inspection?						Y
2. How are mortalities					Other (detail)			
If other detail:		(empty shells)						
3. Mortality records	•	d correctly en						Y
4. Recent mortality (	· · · · · · · · · · · · · · · · · · ·		No observed	mortality				
5. Evidence of recer		* *		/				N/A
If yes, facility nos/no	топашу ре	r racility/no st	ock per lacility.	reason:				
6. Any other peaks i	n mortality di	uring period c	hecked?					N/A
If yes, detail:		uning portod o						,,,,,
7. Have increased (u	unexplained)	mortalities be	een reported to	vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality ev	ents' been re	eported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records	
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	
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	Y
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	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).	

19/8/15 - 30/5/18 Records checked between:

2018-0242

Site Records

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0242 SS0670 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

Case No:	2018-0242	]		Date of visi	it: 30/05/201	8				
Site No:	SS0670	Inspector: ALW								
Results Summary	Freq.			Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
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					+	+				
	+				+	_	+			
					+		+			
					+		+			
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				1						
					1	+				
					+	_				
Report Summary				1						
Case Type	Date	Insp	2 <sup>nd</sup> Insp	1						
ECI	19/06/2018		DCB	4						
				-						
				1						
				4						
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	1									





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0670Site NameLee, Busta VoeInspectorAndrea WarwickCase No20180242

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11	ŀ	ssued by: FHI		Date of i	ssue: 12/09/2017
Case No: 2018-0243				Date of visit:	30/05/2018
Time spent on site:	30 minutes		Main Inspecto	r: A	LW
Site No: SS0671	Site Name:	Burgastoo			
Business No: SB0430	Business Name:	Blueshell Musse	els Ltd		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148		FHI 045 comple	ted
Observations:	Region: SH	Water type	: S	CoGP MA:	
Dead/weak/abnormally behaving	fish present?	N If yes, see	additional inforr	mation/clinical sco	ore sheet.
Clinical signs of disease observe	d?			mation/clinical sco	
Gross pathology observed?		N If yes, see	additional inforr	mation/clinical sco	ore sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carry	out intended visit detail	reason below:			

# **Additional Case Information:**

Eight lines stocked with large mussels and retubed stock from Hevden Ness, Lee, Stream Sound, Foulawick, Quilse and NW Greena. Also have Irish stock from McIlwaine shellfish via Hevden Ness.

Have been harvesting from this site this year. Some smaller stock retubed at Lee, Qulise, Houbanster, East Linga, Wetherstaness and West of Grobsness.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

Site name changed from Burgastoo to Busta Voe.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0243		Site No:	SS0671				
Date of Visit:		30/05/201	3		Inspector(s):	ALW		]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		9 lines	Facilities sto	cked	8 lines	No facilitie	s inspected	9 lines
Species	MED							
Age group	Adult/Juv							
No Fish	8 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Records	S							
1. Movement record	ls available fo	or inspection?						Y
2. Date of last inspe	ction:						18/07/2016	
3. Are records comp	olete and corr	ectly entered	?					Y
4. Are movement re	cords availab	ole for dead fi	sh and waste?					N/A
5. Are records comp								N/A
6. Are health certific	ates for intro	ductions (out	with GB) availa	able?				N/A
Transport Records	•							
1. Are any movement If yes, is there a sys		• •		•				
Mortality Records	·		·					
Mortality records a	available for i	inspection?						Y
2. How are mortalities	es disposed o	of?			Other (detail)			
If other detail:		(empty shells)						
3. Mortality records	•	d correctly en						Y
4. Recent mortality (	,		No observed	mortality				21/2
5. Evidence of recer		• •		,				N/A
If yes, facility nos/no	mortality pe	r facility/no st	ock per facility.	reason:				
6. Any other peaks i	n mortality du	ıring period c	hecked?					N/A
If yes, detail:		aring period c	nookou:					14/7 (
7. Have increased (	unexplained)	mortalities be	een reported to	vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality ev	ents' been re	eported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records				
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				
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	Y			
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 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:

18/7/16 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0243 SS0671 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

Case No:	2018-0243	]		Date of visi	t: 30/05/201	8		
Site No:	SS0671	]		Inspector	r: ALW	_		
Results Summary	Freq.	<u> </u>		D	ate of Notific	ation		
,		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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	+							+
	+					+		
	+							+
D O	_			7				
Report Summary	D (		- nd -	4				
Case Type	Date	Insp	2 <sup>nd</sup> Insp	-				
ECI	19/06/2018	ALVV	DCB	-				
				4				
				4				
	+			4				
	+			4				
	+			4				
				4				
			1	-				
	1							





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0671Site NameBurgastooInspectorAndrea WarwickCase No20180243

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11	I	ssued by: FHI	Date of issue: 12/09/2017				
Case No: 2018-0244			Date of visit: 30/05/2018				
Time spent on site:	30 minutes	Main I	nspector: ALW				
Site No: ss0704	Site Name:	Point of Sletta					
Business No: SB0430	Business Name:	Blueshell Mussels Ltd					
Case Types: 1 ECI	2 3	4 5	6				
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed				
Observations:	Region: SH	Water type: S	CoGP MA:				
Dead/weak/abnormally behavin	a fish present?	N If ves, see addition	nal information/clinical score sheet.				
Clinical signs of disease observ	~ .						
Gross pathology observed?			nal information/clinical score sheet.				
Diagnostic samples taken?		N					
UNI/REG only - if unable to carr	y out intended visit detail	reason below:					

# **Additional Case Information:**

Seven lines stocked with retubed mussels from Ayre of Teogs and Ronas Voe North.

Some smaller stock retubed at Bight of Cliffs, Papa Little and Lee following harvests last year.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

Closures in Aith Voe in summer 2017 due to toxins - high levels of Pseudonitzschia.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0244		Site No:	ss0704				
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		1
Registration/Authori 1. Business/site detail 2. Changes made to o	ls summary		ite representa	tive?			Y Y	
Site Details								
Total No facilities		7 lines	Facilities sto	cked	7 lines	No facilitie	s inspected	7 lines
	MED							
3-3-1	Juv							
	7 lines							
Mean Fish Wt	N/A							
Next Fallow Date (Site	e)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) di	sease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records								
Movement records	available for	r inconntion?						Y
2. Date of last inspect		i ilispection:					18/07/2016	
3. Are records complete		ectly entered?	?				10/01/2010	Y
4. Are movement reco		•						N/A
5. Are records comple	ete and corre	ectly entered?	?					N/A
6. Are health certificat		•		ıble?				N/A
Transport Records								
1. Are any movement If yes, is there a syste		• '		•				
Mortality Records	m place i	or maintonan	oo or transpor		•			
1. Mortality records av		•			Oth (-  - t - : )			Y
2. How are mortalities If other detail:	•				Other (detail)			
3. Mortality records co		empty shells)	arad?					Y
4. Recent mortality (la	•	Correctly erit	No observed	mortality				
5. Evidence of recent	•	tynical morta		mortality				N/A
If yes, facility nos/no r		• •		reason:				13/73
6. Any other peaks in	mortality du	ring period ch	necked?					N/A
If yes, detail:	novploiped\ :	martalities be	on ronorted to	vot or FUI2				N/A
7. Have increased (ur If yes, detail action:	iexpiairieu) i	nortailles be	en reported to	vecoi Fni?				IN/A
8. Have 'mortality eve	nts' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records	
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?	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 dise	ase Y
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	400
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 minimis	e 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: 18/7/16 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0244 ss0704 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other

sites

Sites sharing staff and equipment

Disinfection of equipment between sites, use of footbaths etc

Yes

0

Total Risk No

MEDIUM

Case No:	2018-0244			Date of visit:	30/05/2018			
Site No:	ss0704	1		Inspector:	ALW	1		
Results Summary	Freq.			Da	te of Notifica	tion		
, , , , , , , , , , , , , , , , , , , ,		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	<b>↓</b>							
	<del>                                     </del>							
	+							
	+							
	+							
	1							
	<u> </u>							
	<b>↓</b>							
	<del>                                     </del>							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
Case Type ECI	19/06/2018	AI W	DCB					
	<u> </u>							
	<b>_</b>							
			I					





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0704Site NamePoint of SlettaInspectorAndrea WarwickCase No20180244

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017				
Case No: 2018-0245			Date of visit: 30/05/2018				
Time spent on site:	30 minutes	Main I	nspector: ALW				
Site No: SS0782	Site Name:	Hevden Ness					
Business No: SB0430	Business Name:	Blueshell Mussels Ltd					
Case Types: 1 ECI	2 3	4 5	6				
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed				
Observations:	Region: SH	Water type: S	CoGP MA:				
Dead/weak/abnormally behaving	ng fish present?	N If yes, see addition	nal information/clinical score sheet.				
Clinical signs of disease observ	red?	N If yes, see addition	N If yes, see additional information/clinical score sheet.				
Gross pathology observed?		N If yes, see addition	If yes, see additional information/clinical score sheet.				
Diagnostic samples taken?		N					
UNI/REG only - if unable to car	ry out intended visit deta	il reason below:					

### **Additional Case Information:**

Six lines stocked with large mussels and retubed stock from Hamar Voe, NW Greena, Lee, North Knowe, Bight of Cliffs, Stream Sound, Inner Collafirth and West of Grobsness. Site is closest one to factory so stock too small for sale following harvesting at other sites is often retubed here.

Have also been harvesting from this site this year. Some smaller stock retubed at Lee, Busta Voe, East Linga, Houbanster, Quilse and Wetherstaness.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Stock imported from McIlwaine Shellfish, Ireland also comes through this site before transfer for ongrowing at other sites - West of Grobsness, Busta Voe, Millburn and West of Langa in 2018. Shells are soft, but healthy. Did not import stock in spring 2017, but spatfall in Shetland has been poor in 2017 and had to buy stock this year. Hoping for better season this year otherwise may have to buy in more seed.

FHI 059, Version 11			Issu	ued by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0245		Site No:	SS0782	2			
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	}
Site Details								
Total No facilities	- IED	10 lines	Facilities sto	cked	6 lines	No facilitie	es inspected	10 lines
	MED Adult/Juv							
1.91.91.1	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (Si		N/A		Next Input Da	ate (Site)	Natural sp	patfall or retubi	oina
No.	(0)						dure	11.9
Recent (last 4 wks) of lf yes, detail:	disease probl	lems?		N	N Any escapes	s (since last	visit)?	N
<ul><li>Movement Records</li><li>1. Movement records</li></ul>		er inepaction?						Y
<ol> <li>Movement records</li> <li>Date of last insped</li> </ol>		r mspection.					13/05/2017	
3. Are records comp		ectly entered	?				10/00/20	Y
4. Are movement red		•						N/A
5. Are records comp								N/A
6. Are health certification		•		able?				Y
Transport Records								
1. Are any movemer If yes, is there a syst								
Mortality Records	CITI KI PICI.	Of mail.	00 01 113	tation 155				
								V
1. Mortality records a					Other (detail			Y
2. How are mortalities of their detail:					Other (detail)	)		
3. Mortality records of		(empty shells)						Y
4. Recent mortality (	•	Concour o	No observed	d mortality				
5. Evidence of recen	`	atvoical morta		mortane				N/A
If yes, facility nos/no		• •		/reason:				
2. Assorbar paaks i	a satality di	i raried c	dO					N/Δ
<ol><li>6. Any other peaks in If yes, detail:</li></ol>	n mortality do	iring period ci	пескеа?					N/A
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	ported to FH	? If no, add N	IRT case and	enter on morta	ality events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records					
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					
Biosecurity records available for inspection?	Y				
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?	Y				
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y				
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)?	Y				
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).					
10/05/0047 00/5/40					

Records checked between: 13/05/2017 - 30/5/18 FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0245 SS0782 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 10 Frequency of movements on from equivalent MS Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 0 Number of suppliers 0 5 10 5 Movements off Frequency of movements off within MSS Management 0 2 2 1 Frequency of movements off outwith MSS Management 0 3 6 3 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

Case No:	2018-0245	]		Date of visit	: 30/05/2018	3		
Site No:	SS0782	]		Inspector	: ALW	]		
Results Summary	Freq.	1		Date of Notification				
,	i i	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			-	-				
Report Summary				4				
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp DCB					
ECI	19/06/2018	ALW	DCB					





# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0782Site NameHevden NessInspectorAndrea WarwickCase No20180245

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



FHI 059, Version 11		Issued by: FHI		Date of issue	: 12/09/2017
Case No: 2018-0246				Date of visit: 30/05	5/2018
Time spent on site:	0 minutes	N	lain Inspector	: ALW	_
Site No: SS0783	Site Name:	North Linga			
Business No: SB0430	Business Name:	Blueshell Mussels	Ltd		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	]	FHI 045 completed	
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behaving	fish present?	N If yes, see ad	lditional inforn	nation/clinical score s	heet.
Clinical signs of disease observe	d?			nation/clinical score s	
Gross pathology observed?		N If yes, see ad	lditional inforn	nation/clinical score s	neet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carry	out intended visit detai	l reason below:			

### **Additional Case Information:**

Five lines stocked with large mussels. Retubed mussels from Ayre of Teogs, Clifts Ronas Voe and East Linga Have recently started harvesting from this site this year.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ıed by: FHI			Date of issu	ie: 12/09/2017
Case No:	2018-0246		Site No:	SS0783	3			
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y	}
Site Details								
Total No facilities		6 lines	Facilities sto	cked	5 lines	No facilitie	es inspected	6 lines
	MED Adult/Juv							
Age group No Fish	5 lines							
Mean Fish Wt	N/A							
Next Fallow Date (Si		N/A		Next Input Da	ate (Site)	Natural sp	patfall or retubi	ina
No.	,				7		aug	11.9
Recent (last 4 wks) of lf yes, detail:	disease probl	lems?		N	Any escapes	(since last	visit)?	N
<ul><li>Movement Records</li><li>1. Movement records</li></ul>		er inepaction?						Y
<ol> <li>Movement records</li> <li>Date of last insped</li> </ol>		r inspection:					22/07/2014	
3. Are records comp		ectly entered	?				ZEI OI, Z	Y
4. Are movement red		•						N/A
5. Are records comp	lete and corr	ectly entered	?					N/A
6. Are health certification	ates for introd	ductions (outv	vith GB) availa	able?				N/A
Transport Records								
1. Are any movemer If yes, is there a syst								
Mortality Records	CIII III P	Or Trica	00 0	idion				
								V
1. Mortality records a					Other (detail			Y
2. How are mortalities of their detail:					Other (detail)			
3. Mortality records of		(empty shells)						Y
4. Recent mortality (	•	COITEOUS O.I.	No observed	d mortality				
5. Evidence of recen	`	atypical morta		Mortancy				N/A
If yes, facility nos/no		• •		/reason:				
2 A the repole i	بام برخانات ما	· · · · · · · · · · · · · · · · · · ·	1 10					NI/A
<ol><li>6. Any other peaks in If yes, detail:</li></ol>	n mortality du	iring period ci	necked?					N/A
7. Have increased (u	(nexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:	,	Horte	OH TOP C.	70				
8. Have 'mortality ev	ents' been re	ported to FH	? If no, add M	RT case and	enter on morta	ality events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records	
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	
Biosecurity records available for inspection?	Y
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	Y
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)?	Y
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).	

Records checked between:

22/07/2014 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0246 SS0783 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

Case No:	2018-0246			Date of visit	:: 30/05/201	8		
Site No:	SS0783			Inspector	: ALW			
Results Summary	Freq.							
results cummary	1 104.	Database	Insp	Phone	ate of Notifica	Writing	Insp	2 <sup>nd</sup> Insp
				<u> </u>				
				+				
				+	+			-
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Report Summary	_	_	T	7				
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Case Type ECI	19/06/2018	Insp	2 <sup>nd</sup> Insp DCB	4				
ECI	19/00/2016	ALVV	DCB	4				
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# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0783Site NameNorth LingaInspectorAndrea WarwickCase No20180246

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



FHI 059, Version 11		Issued by: FHI		Date of i	issue: 12/09/2017
Case No: 2018-0247				Date of visit:	30/05/2018
Time spent on site:	30 minutes	M	ain Inspector	r: A	LW
Site No: SS0784	Site Name:	Wetherstaness			
Business No: SB0430	Business Name:	Blueshell Mussels	Ltd		
Case Types: 1 ECI	2 3	4 5	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	]	FHI 045 comple	eted
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behaving	ng fish present?	N If yes, see add	ditional inforn	nation/clinical sco	ore sheet.
Clinical signs of disease observ	red?	N If yes, see add	ditional inform	nation/clinical sc	ore sheet.
Gross pathology observed?		N If yes, see add	ditional inforn	nation/clinical sc	ore sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to care	ry out intended visit deta	il reason below:			

### **Additional Case Information:**

Six lines stocked with large and retubed mussels from NW Greeena, Easter Hogaland, Stream Sound, Hevden Ness and Busta Voe.

Have been harvesting from this site this year. Some smaller stock retubed at Lee.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0247		Site No:	SS0784				
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	6 lines
Species	MED							
Age group	Adult/Juv							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records								
Movement record		r inconction?						Y
2. Date of last inspe		i ilispection:					22/07/2014	
3. Are records comp		ectly entered	?				22/01/2011	Y
4. Are movement re-		•						N/A
5. Are records comp								N/A
6. Are health certific		•		able?				N/A
Transport Records								
1. Are any movement of yes, is there a systematical syste		• •	•	•				
Mortality Records	ioni in piaco i	or mannona.		tation rooti do				
mortality records								
1. Mortality records a		•						Y
2. How are mortalities					Other (detail)			
If other detail:	To seabed (							
3. Mortality records of	•	correctly ent						Y
4. Recent mortality (	•		No observed	mortality				N1/A
5. Evidence of recer		• •		/				N/A
If yes, facility nos/no	mortality per	racility/no sto	ock per facility	reason:				
6. Any other peaks in	n mortality du	ring period c	hecked?					N/A
If yes, detail:		ig ponou o						
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality ev	ents' been re	ported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	heet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		
If you dotail:		

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 frequency of mortality removal, recording and safe disposal been considered?  4. 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?  9. Yes of the business?  9. Yes of the business?  1. Has any animal health surveillance been carried out by, or on behalf of, the business?  1. If yes, are results available for inspection?  3. Any significant results?  1. If yes, detail (if not detailed under recent disease problems).	1. Recent treatments (last 4 wks)?	
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3. Any significant results?	· · · · · · · · · · · · · · · · · · ·	

Records checked between: 22/7/14 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0247 SS0784 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0247			Date of visit	: 30/05/2018	3		
Site No:	SS0784	]		Inspector	: ALW	]		
Results Summary	Freq.	T T		Date of Notification				
ŕ	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	-	•						
Report Summary								
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp DCB					
ECI	19/06/2018	3 ALW	DCB	_				
				_				
				_				
				_				





# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0784Site NameWetherstanessInspectorAndrea WarwickCase No20180247

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



FHI 059, Version 11	1	Issued by: FHI		Date of	issue: 12/09/2017
Case No: 2018-0248				Date of visit:	30/05/2018
Time spent on site:	30 minutes	N	Main Inspector	r: 🔼	LW
Site No: SS0855	Site Name:	Bight of Warwick	1.1		
Business No: SB0430	Business Name:	Blueshell Mussels	Lta		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	]	FHI 045 comple	eted
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behavin	g fish present?	N If yes, see ad	lditional inforn	mation/clinical sc	ore sheet.
Clinical signs of disease observ	~ .			mation/clinical sc	
Gross pathology observed?		N If yes, see ad	lditional inforn	mation/clinical sc	ore sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carr	ry out intended visit detail	reason below:			

### **Additional Case Information:**

Six lines stocked with retubed mussels from Ayre of Teogs, Papa little and Clifts Ronas Voe.

Only one harvest so far from this site this year. No retubing of stock at other sites.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0248		Site No:	SS0855				
Date of Visit:		30/05/2018	В		Inspector(s):	ALW		1
Registration/Author 1. Business/site detai 2. Changes made to	ls summary		ite representa	itive?			Y Y	
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	6 lines
	MED							
3-3-1	Adult/Juv							
	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (Sit	e)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) d If yes, detail:	isease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records								
Movement records	available fo	r inenaction?						Y
2. Date of last inspec		i inspection:					18/07/2016	
3. Are records complete		ectly entered	?				10,01,2010	Y
4. Are movement rec		•						N/A
5. Are records comple	ete and corre	ectly entered	?					N/A
6. Are health certifica	tes for introd	luctions (outv	vith GB) availa	ıble?				N/A
Transport Records								
1. Are any movement		• '		•				
Mortality Records	, , , , , ,							
	voilable for in	anaction?						Y
<ol> <li>Mortality records a</li> <li>How are mortalities</li> </ol>		•			Other (detail)			'
		empty shells)			Other (detail)			
3. Mortality records of			ered?					Y
4. Recent mortality (la	•		No observed	mortality				
5. Evidence of recent	increased/a	typical morta		,				N/A
If yes, facility nos/no		• •		reason:				
6. Any other peaks in	mortality du	ring period cl	necked?					N/A
If yes, detail:	oovoloised) :	mortalities be	on reported to	vot or FUI2				N/A
7. Have increased (ull lf yes, detail action:	iexpiairied) i	nortailles be	en reported to	vet of FHI?				IN/A
8. Have 'mortality eve	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records					
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					
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				
	V				
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y				
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)?					
ricaliti status, certification il 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?	N				
2. If yes, are results available for inspection?					
3. Any significant results?					
If yes, detail (if not detailed under recent disease problems).					
, , , , , , , , , , , , , , , , , , ,					
40/7/40 00/5/40					

Records checked between: 18/7/16 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0248 SS0855 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0248			Date of visit:	30/05/2018	]			
Site No:	SS0855	Inspector: ALW							
Results Summary	Freq.	Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
	+								
	+								
	1								
								ļ	
Report Summary				1					
Case Type	Date	Insp	2 <sup>nd</sup> Insp	1					
ECI	19/08/2016		DCB						
	10/00/2010	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	505						
				1					
	1			1					
	1			1					





# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0855Site NameBight of WarwickInspectorAndrea WarwickCase No20180248

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



FHI 059, Version 11	I	ssued by: FHI	Date of issue: 12/09/2017			
Case No: 2018-0249			Date of visit: 30/05/2018			
Time spent on site:	30 minutes	Main	Inspector: ALW			
Site No: SS0856	Site Name:	Houbanster				
Business No: SB0430	Business Name:	Blueshell Mussels Ltd				
Case Types: 1 ECI	2 3	4 5	6			
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed			
Observations:	Region: SH	Water type: S	CoGP MA:			
Dead/weak/abnormally behaving	fish present?	N If yes, see additio	nal information/clinical score sheet.			
Clinical signs of disease observe	ed?	N If yes, see additional information/clinical score sheet.				
Gross pathology observed?		N If yes, see additio	nal information/clinical score sheet.			
Diagnostic samples taken?		N				
UNI/REG only - if unable to carry	out intended visit detail	reason below:				

### **Additional Case Information:**

Four lines stocked with large and retubed mussels from Easter Hogaland, Hevden Ness, Busta Voe, Lee, Ayre of Teogs and Clifts Ronas Voe.

Have done a few harvests from this site this year. Some smaller stock retubed at Quilse and Lee.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0249		Site No:	SS0856				
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		4 lines	Facilities sto	cked	4 lines	No facilitie	s inspected	4 lines
Species	MED							
Age group	Adult/Juv							
No Fish	4 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records								
Movement record		r inepaction?						Y
2. Date of last inspe		i ilispection:					18/07/2016	·
3. Are records comp		ectly entered	?				10/01/2010	Y
4. Are movement re		•						N/A
5. Are records comp	lete and corr	ectly entered	?					N/A
6. Are health certific	ates for introd	ductions (outv	vith GB) availa	able?				N/A
Transport Records	;							
1. Are any movement of yes, is there a system		• •		•	•			
<b>Mortality Records</b>	. ,							
Mortality records a		•						Y
2. How are mortalitied of their detail:					Other (detail)			
	To seabed (							Y
<ol> <li>Mortality records</li> <li>Recent mortality (</li> </ol>	•	correctly ent	No observed	l mortality				'
5. Evidence of recer	·	typical morta		inortality				N/A
If yes, facility nos/no		• •		/reason·				14/7 (
11 yes, rasinty 1100/110	mortanty por	Taomey/110 ott	on por raomity	10000111				
6. Any other peaks i	n mortality du	ring period cl	necked?					N/A
If yes, detail:								
7. Have increased (	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:			10.16	D.T.		19		<b>N</b> 1/A
8. Have 'mortality ev	ents' been re	ported to FH	If no, add M	RT case and e	enter on morta	ility events s	sneet.	N/A

Treatments and Medicines Records					
1. Recent treatments (last 4 wks)?					
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?	Υ				
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	Y				
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	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: 18/7/16 - 30/5/18					

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0249 SS0856 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0249	]		Date of visit	: 30/05/2018	3					
Site No:	SS0856	]		Inspector	: ALW	]					
Results Summary	Freq.	<u> </u>	Date of Notification								
resource Summary	1 104.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp			
			<u> </u>								
	+			1				1			
	+			1				1			
	1					ſ		1			
				_							
Report Summary				4							
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp								
ECI	19/06/2018	ALW	AJW								
				_							
				4							
				-							
			1								
			1								





# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0856Site NameHoubansterInspectorAndrea WarwickCase No20180249

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



FHI 059, Version 11		Issued by: FHI	Date of issue: 12/	/09/2017
Case No: 2018-0250			Date of visit: 30/05/20	18
Time spent on site:	0 minutes	Mair	n Inspector: ALW	_
Site No: SS0857	Site Name:	Millburn		
Business No: SB0430	Business Name:	Blueshell Mussels Lt	d	
Case Types: 1 ECI	2 3	4 5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed	
Observations:	Region: SH	Water type: S	CoGP MA:	
Dead/weak/abnormally behaving	fish present?	N If yes, see additi	onal information/clinical score sheet	
Clinical signs of disease observe	d?		onal information/clinical score sheet	
Gross pathology observed?		N If yes, see additi	onal information/clinical score sheet	
Diagnostic samples taken?		N		
UNI/REG only - if unable to carry	out intended visit detai	il reason below:		

Six lines stocked with small mussels retubed from Hevden Ness, Stream sound, Foulawick, Quilse, Lee, Ayre of Teogs, Ronas Voe North and Mcilwaine Shellfish (via Hevden Ness).

A few harvests from this site this year from stock retubed on site in 2016. No movements off site for relaying since 2016. No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0250		Site No:	SS0857				
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	6 lines
	MED							
Age group	Adult/Juv							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) of the second (last 4 wks) o	disease prob	lems?		N	Any escapes	(since last	visit)?	N
•								
Movement Records								
1. Movement record		or inspection?						Y
2. Date of last inspec			2				22/07/2014	Υ
<ol> <li>Are records comp</li> <li>Are movement rec</li> </ol>		•						N/A
5. Are records comp								N/A
6. Are health certification				able?				N/A
			02, arano					
Transport Records								
1. Are any movemer	nts carried ou	ıt by (or on be	half) of the bu	siness (not usi	ing a STB)?			
If yes, is there a syst		• ,		•	· ·			
Mortality Records								
Mortality records a	available for i	nspection?						Y
2. How are mortalities		•			Other (detail)			
If other detail:	To seabed (	empty shells)			<u> </u>			
3. Mortality records of	complete and	correctly ent	ered?					Y
4. Recent mortality (	last 4 wks):		No observed	l mortality				
5. Evidence of recen	nt increased/a	atypical morta	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
C. Americania	n ma nut a l't	uning as to send to the	5 5 5 10					N1/A
<ol><li>6. Any other peaks in If yes, detail:</li></ol>	in mortality du	iring period ci	пескеа?					N/A
7. Have increased (unexplained) mortalities been reported to vet or FHI?							N/A	
If yes, detail action:	ioxpiairioa)	ortaintioo be	. cri roportou te					1 1/7 (
8. Have 'mortality ev	ents' been re	ported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Treatments and Medicines Records	
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	
Biosecurity records available for inspection?	Y
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	Y
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)?	Y
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).	
Records checked between: 22/7/14 - 30/5/18	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0250 SS0857 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0250	]		Date of visit	30/05/2018				
Site No:	SS0857	]		Inspector	: ALW	]			
Results Summary	Freq.	1		Da	ate of Notifica	tion			
,	'	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
	_			-					
Report Summary				4					
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp	_					
ECI	19/06/2018	ALW	AJW						





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0857Site NameMillburnInspectorAndrea WarwickCase No20180250

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

Three lines in water for spat collection.

No harvests or movements off site since 2016.

Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0251		Site No:	SS0864				
Date of Visit:		30/05/201	8		Inspector(s):	ALW		1
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	}
Site Details								
Total No facilities		3 lines	Facilities sto	cked	3 lines	No facilitie	s inspected	3 lines
Species	MED							
Age group	Spat							
No Fish	3 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	site)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) If yes, detail:	disease prob	lems?		N	Any escapes	(since last	visit)?	N
Movement Record								Y
<ol> <li>Movement record</li> <li>Date of last insper</li> </ol>		or inspection?					22/07/2014	'
3. Are records comp		rectly entered	?				22/01/2014	Y
4. Are movement re		•						N/A
5. Are records comp								N/A
6. Are health certific				able?				N/A
Transport Records	5							
1. Are any movement of yes, is there a sys		• •		•	•			
Mortality Records								
,								
1. Mortality records		•						Y
2. How are mortalitie					Other (detail)			
If other detail:		(empty shells						V
3. Mortality records	•	a correctly en		l management is to				Y
<ul><li>4. Recent mortality (last 4 wks): No observed mortality</li><li>5. Evidence of recent increased/atypical mortalities?</li></ul>							N/A	
If yes, facility nos/no		• •		/reason:				IN/A
, , , , , , , , , , , , , , , , , , , ,								
6. Any other peaks i	n mortality do	uring period c	hecked?					N/A
If yes, detail:								
7. Have increased (	unexplained)	mortalities be	een reported to	vet or FHI?				N/A
If yes, detail action:	ionto! hoon "	ported to EU	12 If no odd M	DT coop and	ontor on marta	lity overte	choot	N/A
8. Have 'mortality ev	rents been re	eponed to FH	rr ii no, add M	Kir case and e	enter on morta	mry events s	nieet.	IN/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records		
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?		
o. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, re	ecording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify	y Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been include	ed?	Y
		V
4. Has the action that will be taken in the event that the p is detected been included and <i>how</i> and <i>when</i> that will be	·	I
5. Has the health status of aquaculture animals being sto		Y
health status, certification if required)?	ocked on the farm site been covered (equal or higher	'
η,,		
6. Have the husbandry and biosecurity measures implem	nented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of state	ff, 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 imp	lemented on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance been carried out by	y, 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 problem	ns).	

Records checked between: 22/7/14 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0251 SS0864 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0251			Date of vis	it: 30/05/20	)18		
Site No:	SS0864	7		Inspecto	or: ALW	$\neg$		
Results Summary	Freq.	Database	Insp	Phone	Date of Notif	Writing	Insp	2 <sup>nd</sup> Insp
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		+						
						_		
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	19/06/2018	8 ALW	AJW					
				4				
		1		-				
	1	+						
	1	+						





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0864Site NameMoo NessInspectorAndrea WarwickCase No20180251

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11	I	ssued by: FHI		Date of issue:	12/09/2017
Case No: 2018-0252			Dat	te of visit: 30/05/	2018
Time spent on site:	0 minutes	Mai	n Inspector:	ALW	_
Site No: SS0312	Site Name:	Kurkigarth			
Business No: SB0430	Business Name:	Blueshell Mussels Li	td		
Case Types: 1 ECI	2 3	4 5	6	_	
Water Temp (°C): 9.2	Thermometer No:	T148	FH	I 045 completed	
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behaving	fish present?	N If yes, see addit	tional information	on/clinical score sh	eet.
Clinical signs of disease observe	d?			on/clinical score sh	
Gross pathology observed?		N If yes, see addit	tional information	on/clinical score sh	eet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carry	out intended visit detail	reason below:			

Three lines in water for spat collection.

Only one harvest this year. Small stock from 2017 harvests retubed at North of Linga.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0252		Site No:	SS0312				
Date of Visit:		30/05/2018	В		Inspector(s):	ALW		]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	utive?			Y Y	
Site Details								
Total No facilities		3 lines	Facilities sto	cked	3 lines	No facilitie	s inspected	3 lines
Species	MED							
Age group	Spat							
No Fish	3 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	<u> </u>							
Movement record		r inspection?						Y
2. Date of last inspec		. шороошот.					18/07/2016	
3. Are records comp		ectly entered	?					Y
4. Are movement red	cords availab	le for dead fis	sh and waste?					N/A
5. Are records comp	lete and corr	ectly entered	?					N/A
6. Are health certification	ates for introd	ductions (outv	vith GB) availa	able?				N/A
Transport Records	i							
1. Are any movement If yes, is there a systematical system of the system		• '	,	•				
Mortality Records	·		·					
Mortality records a	available for i	nspection?						Y
2. How are mortalities		•			Other (detail)			
If other detail:		empty shells)			,			
3. Mortality records of			ered?					Y
4. Recent mortality (	last 4 wks):		No observed	l mortality				
5. Evidence of recen	nt increased/a	typical morta	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				-
6. Any other peaks in	n mortality du	ring pariod al	nocked?					N/A
If yes, detail:	il mortality du	ning penod ci	ieckeu?					IN/A
7. Have increased (u	unexplained)	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, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treetments and Medicines Decerds	
Treatments and Medicines Records  1. Recent treatments (lost 4 wks)?	
1. Recent treatments (last 4 wks)?  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	
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?	Y
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	Y
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?	
If no, detail:	<u>'</u>
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).	
D	

Records checked between:

18/7/16 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0252 SS0312 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0252	]		Date of visit	: 30/05/2018					
Site No:	SS0312	]		Inspector	: ALW	]				
Results Summary	Freq.	- I	Date of Notification							
resource Summary	1 104.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
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		1				ſ		1		
				_						
Report Summary				4						
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp							
ECI	19/06/2018	ALW	AJW							
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	+									
	+									
			<del>                                     </del>							





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NOSB0430DATE OF VISIT30/05/2018SITE NOSS0312SITE NAMEKurkigarthINSPECTORAndrea WarwickCASE NO20180252

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI		Date of	f issue: 12/09/2017
Case No: 2018-0253				Date of visit:	30/05/2018
Time spent on site:	30 minutes	_	Main Inspecto	r: [	ALW
Site No: SS0677	Site Name:	Foulawick			
Business No: SB0430	Business Name:	Blueshell Musse	els Ltd		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	$\supset$	FHI 045 compl	leted
Observations:	Region: SH	Water type:	: S	CoGP MA:	
Dead/weak/abnormally behaving	ng fish present?	N If yes, see a	additional inform	mation/clinical s	core sheet.
Clinical signs of disease observ	/ed?			mation/clinical s	
Gross pathology observed?		N If yes, see a	additional inforr	mation/clinical s	core sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to car	ry out intended visit detai	l reason below:			

Six lines stocked with large and retubed mussels from Easter Hogaland, Stream Sound, Lee, Park Gate, Quilse, Wetherstaness and NW Greena.

Have been harvesting from this site this year. Some smaller stock retubed at Busta Voe, Lee, Millburn and North Linga. No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0253		Site No:	SS0677				
Date of Visit:		30/05/201	8		Inspector(s):	ALW		]
Registration/Authornamental 1. Business/site detail 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		7 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	7 lines
Species	MED							
Age group	Adult/Juv							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
<b>Movement Record</b>	s							
1. Movement record	ls available fo	or inspection?						Y
2. Date of last inspe							18/07/2016	
3. Are records comp		•						Y
4. Are movement re								N/A
5. Are records comp								N/A
6. Are health certific	ates for intro	ductions (out	with GB) availa	ible?				N/A
Transport Records	•							
1. Are any movement of yes, is there a sys		• `		•				
Mortality Records	·		·					
Mortality records	available for	inspection?						Y
2. How are mortalities	es disposed o	of?			Other (detail)			
If other detail:		(empty shells)						
3. Mortality records	•	d correctly en						Y
4. Recent mortality (	`		No observed	mortality				<b>N</b> 1/0
5. Evidence of recer		• •		/200000				N/A
If yes, facility nos/no	mortality per	r racility/no st	ock per racility/	reason.				
6. Any other peaks i	n mortality du	uring period c	hecked?					N/A
If yes, detail:		31 3						
7. Have increased (	unexplained)	mortalities be	een reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	ents' been re	eported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	
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?	Υ
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	Y
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	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: 18/7/16 - 30/5/18	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0253 SS0677 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

Case No:	2018-0253	]		Date of visi	it: 30/05/20	18				
Site No:	SS0677	<u> </u>		Inspecto	r: ALW	_				
Results Summary	Freq.		Date of Notification							
results cummary	1 104.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
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			+	+	+	+		+		
				1						
		-		_						
Report Summary				_						
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp							
ECI	19/06/2018	3 ALW	AJW	_						
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Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0677Site NameFoulawickInspectorAndrea WarwickCase No20180253

# Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0254			Date of visit: 30/05/2018
Time spent on site:	30 minutes	Main	Inspector: ALW
Site No: SS0914	Site Name:	West of Grobsness	
Business No: SB0430	Business Name:	Blueshell Mussels Ltd	
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behaving	fish present?	N If yes, see addition	nal information/clinical score sheet.
Clinical signs of disease observe	d?		nal information/clinical score sheet.
Gross pathology observed?		N If yes, see addition	nal information/clinical score sheet.
Diagnostic samples taken?		N	
UNI/REG only - if unable to carry	out intended visit detai	il reason below:	

New site. Four lines stocked with large and retubed mussels from McIlwaine Shellfish (via Hevden Ness). Have been harvesting from this site this year. Some smaller stock retubed at Hevden Ness and Lee. No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0254		Site No:	SS0914				
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		4 lines	Facilities sto	cked	2 lines	No facilitie	s inspected	4 lines
Species	MED							
Age group	Adult/Juv							
No Fish	2 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease prob	lems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
<b>Movement Records</b>	S							
1. Movement record	s available fo	or inspection?						Y
2. Date of last inspe-							No previous	inspection
3. Are records comp		•						Y
4. Are movement re								N/A
5. Are records comp								N/A
6. Are health certific	ates for intro	ductions (out	with GB) availa	able?				N/A
Transport Records	;							
1. Are any movement If yes, is there a systematical syste		• •		•				
Mortality Records	·							
1. Mortality records a	available for	inspection?						Y
2. How are mortalities	es disposed o	of?			Other (detail)			
If other detail:	To seabed (	(empty shells)						
3. Mortality records of	•	d correctly ent						Y
4. Recent mortality (	last 4 wks):		No observed	l mortality				
5. Evidence of recer	nt increased/a	atypical morta	lities?					N/A
If yes, facility nos/no	mortality pe	r facility/no sto	ock per facility	/reason:				
6 Apy other reals	n mortalit.	uring mania al	الم مادد عا					NI/A
6. Any other peaks in If yes, detail:	n mortality di	uring period c	пескеа?					N/A
7. Have increased (u	inexplained)	mortalities he	en reported to	vet or FHI?				N/A
If yes, detail action:	zi ionpianioa)	ortaitioo be	or roportou to					13/71
8. Have 'mortality ev	ents' been re	eported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records	
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	
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	Y
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	Y
health status, certification if required)?	
	V
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.)?	1
	Y
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?	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: 5/10/17 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0254 SS0914 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0254	]		Date of visit	: 30/05/2018			
Site No:	SS0914	]		Inspector	: ALW	]		
Results Summary	Freq. Date of Notification							
Nesults Summary	i ieq.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
				1				1
				Ì	Ì			1
				-				
Report Summary				4				
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp					
ECI	19/06/2018	ALW	AJW					
				_				
				4				
				-				
	+							
	+		1					
			1					





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** SB0430 **DATE OF VISIT** 30/05/2018

SITE NO SS0914 SITE NAME West of Grobsness

INSPECTOR Andrea Warwick Case No 20180254

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11	Is	sued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0255			Date of visit: 30/05/2018
Time spent on site:	30 minutes	Main Inspe	ctor: ALW
Site No: SS0769 Business No: SB0447	Site Name: Business Name:	North East of Aithness SI Seafarms Ltd	
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 9.2	Thermometer No:	T148	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 r	reason below:	

### **Additional Case Information:**

Six lines stocked with large and retubed mussels from Ayre of Teogs and Easter Hogaland.

No harvest so far this year. Smaller stock from 2017 harvests retubed at Foulawick

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

Site name changed from North East of Aithness to The Rona Aith.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0255		Site No:	SS0769				
Date of Visit:		30/05/2018	3		Inspector(s):	ALW		
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		site representa	utive?			Y Y	
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	6 lines
Species	MED							
Age group	Adult/Juv							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	•							
Movement record		r inepaction?						Y
2. Date of last inspe		i irispection:					24/07/2012	
3. Are records comp		ectly entered	?				21/01/2012	Y
4. Are movement re		•						N/A
5. Are records comp	lete and corr	ectly entered	?					N/A
6. Are health certific		•		able?				N/A
Transport Records	•							
1. Are any movement of yes, is there a system		• •	•	•				
Mortality Records	torr iir piaco i	or maintona.	ioo oi iiaiiopoi					
1. Wortainty records available for inopection:						Y		
2. How are mortalities disposed of?  Other (detail)								
If other detail: To seabed (empty shells)  3. Mortality records complete and correctly entered?  Y								
4. Recent mortality (	•	correctly en		l mortality				'
						N/A		
If yes, facility nos/no		• •		/reason:				14/7 (
, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , ,	, , , , , ,					
6. Any other peaks in mortality during period checked?								
If yes, detail:								
7. Have increased (	unexplained)	mortalities be	een reported to	vet or FHI?				N/A
If yes, detail action:	rontol book	ported to EU	10 lf no odd 1/	DT coop on the	ontor on month	litu ovente -	hoot	NI/A
8. Have 'mortality ev	rents been re	ported to FH	rr ii no, add M	Kir case and e	enter on morta	mily events s	neet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records	
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	
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	Y
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	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: 24/7/12 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0255 SS0769 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 2 1 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area

Biosecurity

Contacts with other sites

Number of sites

Sites operating from single shorebase

Disinfection of equipment between sites, use of footbaths etc

Sites sharing staff and equipment

≥ 4

No

MEDIUM

1

0

2 or 3

Yes

0

Total Risk

Case No:	2018-0255			Date of visit:	30/05/2018			
Site No:	SS0769	1		Inspector:	ALW	]		
Results Summary								
Nesults Summary	Freq.	Database	Insp		Insp	Writing	Insp	2 <sup>nd</sup> Insp
						<u> </u>		2 1100
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	19/06/2018	ALW	AJW					





SI Seafarms Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** SB0447 **DATE OF VISIT** 30/05/2018

SITE No SS0769 SITE NAME North East of Aithness

INSPECTOR Andrea Warwick CASE No 20180255

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11	I	ssued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0256			Date of visit: 28/05/2018
Time spent on site:	30 minutes	Main Insp	ector: ALW
Site No: SS0666 Business No: SB0427	Site Name: Business Name:	Site 2 South Stromness Vo Pund Shellfish	De .
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 9.2	Thermometer No:	T148	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	nformation/clinical score sheet. nformation/clinical score sheet. nformation/clinical score sheet.
UNI/REG only - if unable to carr	y out intended visit detail	reason below:	

### **Additional Case Information:**

Two lines stocked with retubed mussels from NW Greena and 2 lines for spat.

Have been harvesting from this site this year.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

Blueshell Mussels managing site on behalf of Pund Shellfish.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0256		Site No:	SS0666				
Date of Visit:		28/05/20	18		Inspector(s):	ALW		]
Registration/Authornal 1. Business/site detaction 2. Changes made to	ails summar		site representa	ative?			Y Y	]
Site Details								
Total No facilities		4 lines	Facilities sto	ocked	4 lines	No facilitie	es inspected	4 lines
Species	MED	MED						
Age group	Adult/Juv	Spat						
No Fish	2 lines	2 lines						
Mean Fish Wt	N/A	N/A						
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks)	disease prob	olems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
Movement Record	•							
Movement record		or inspection	2					Y
2. Date of last inspe		or mapeonori	· :				New book	
3. Are records comp		rectly entere	d?				THE WOOL	Y
4. Are movement re		•		•				N/A
5. Are records comp	olete and cor	rectly entere	d?					N/A
6. Are health certific	ates for intro	ductions (ou	itwith GB) availa	able?				N/A
Transport Records	•							
1. Are any movemen		• •	•	,	•			
If yes, is there a sys	tem in place	for maintena	ance of transpo	rtation records	?			
Mortality Records								
1. Mortality records	available for	inspection?						Y
2. How are mortalities		•			Other (detail)			
If other detail: To seabed (empty shells)								
3. Mortality records complete and correctly entered?								
4. Recent mortality (last 4 wks):  No observed mortality								
5. Evidence of recent increased/atypical mortalities?								
If yes, facility nos/no	mortality pe	er facility/no s	stock per facility	r/reason:				
6. Any other peaks in mortality during period checked? N/A								
If yes, detail:						14//\		
7. Have increased (	unexplained)	mortalities b	peen reported to	o vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.  N/A								

Treatments and Medicines Records					
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					
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	Y				
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	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).					
in you, asian (in not asianou undo rocont disouse problems).					

Records checked between: 08/11/2016 - 28/5/18

0

0

3

3

3

0

Sites within a tidal excursion			2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	2
Live shellfish move	ements	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  Number of destinations	0	3	6	6
	Inditibel of destinations	U		0	

Susceptible to Marteilia refringens (OED, MED)

Susceptible to OsHV (CGI)

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	27
Risk	MEDIUM

Case No:	2018-0256			Date of vis	it: 28/05/20	18				
O'C N		7								
Site No:	SS0666 Inspector: ALW									
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
	+	<del>                                     </del>				-		_		
		<del>†</del>								
		<u> </u>					_			
	+	+					+	_		
		+								
		_								
Report Summary										
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
Case Type ECI	19/06/2018	3 ALW	AJW							
		1		_						
		1								





Pund Shellfish 8 Skelladale Brae Shetland ZE2 9QQ

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** SB0427 **DATE OF VISIT** 28/05/2018

SITE NO SS0666 SITE NAME Site 2 South Stromness Voe

**INSPECTOR** Andrea Warwick **CASE No** 20180256

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI		Date of	issue: 12/09/2017
Case No: 2018-0257				Date of visit:	28/05/2018
Time spent on site:	30 minutes		Main Inspecto	r: [	ALW
Site No: SS0836	Site Name:	Site 1 South Stro	mness Voe		
Business No: SB0427	Business Name:	Pund Shellfish			
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148		FHI 045 compl	eted
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behavin	g fish present?	N If yes, see a	dditional inforr	mation/clinical se	core sheet.
Clinical signs of disease observ	ed?	N If yes, see a	dditional inforr	mation/clinical se	core sheet.
Gross pathology observed?		N If yes, see a	dditional inforr	mation/clinical se	core sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carr	y out intended visit detai	I reason below:			

### **Additional Case Information:**

Three lines stocked with large mussels. Lots of seaweed on lines.

Have been harvesting from this site this year. Small stock from last year retubed at North West of Cul Houb, Cul Ness and Inner Collafirth.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

Site managed by Blueshell Mussels on behalf of Pund Shellfish.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0257		Site No:	SS0836				
Date of Visit:		28/05/201	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		4 lines	Facilities sto	cked	3 lines	No facilitie	s inspected	4 lines
Species	MED							
Age group	Adult							
No Fish	3 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
							N	
If yes, detail:								
Movement Records								
1. Movement record		r inspection?					Ni. i	Y
2. Date of last inspendence		anthy antarad	2				New book	Υ
<ol> <li>Are records comp</li> <li>Are movement re</li> </ol>		•						N/A
5. Are records comp								N/A
6. Are health certific		•		able?				N/A
Transport Records		`	,					
1. Are any movemen		• •	•	•				
If yes, is there a syst	tem in place f	or maintenar	nce of transpor	tation records	?			
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalities	es disposed o	f?			Other (detail)			
If other detail:	To seabed (							
3. Mortality records of	•	correctly en						Y
4. Recent mortality (	•		No observed	l mortality				
5. Evidence of recer								N/A
If yes, facility nos/no	mortality per	facility/no st	ock per facility	/reason:				
6. Any other peaks in	n mortality du	ring period o	hockod?					N/A
If yes, detail:	i inortality du	ining period c	neckeu!					IN/A
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:	,							
8. Have 'mortality ev	ents' been re	ported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records	
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	
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	Y
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	Υ
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: 8/11/16 - 28/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0257 SS0836 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0257			Date of visi	t: 28/05/201	8			
Site No:	SS0836	1		Inspector	r: ALW	7			
Results Summary	Freq.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
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				1					
								_	
				<del> </del>	+		+		
								1	
D	_	1		7					
Report Summary	Б. і		- nd -	4					
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp	-					
ECI	19/06/2018	ALW	AJW	4					
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				4					
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			-	-					





Pund Shellfish 8 Skelladale Brae Shetland ZE2 9QQ

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**Business No** SB0427 **Date of Visit** 28/05/2018

SITE NO SS0836 SITE NAME Site 1 South Stromness Voe

**INSPECTOR** Andrea Warwick **CASE No** 20180257

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11	1	Issued by: FHI	Date of issue: 12/09/2017				
Case No: 2018-0258			Date of visit: 28/05/2018				
Time spent on site:	30 minutes	Main In	spector: ALW				
Site No: SS0861	Site Name:	Seli Voe (Gardenhouse	Voe)				
Business No: SB0430	Business Name:	Blueshell Mussels Ltd					
Case Types: 1 ECI	2 3	4 5	6				
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed				
Observations:	Region: SH	Water type: S	CoGP MA:				
Dead/weak/abnormally behaving	fish present?	N If yes, see additiona	al information/clinical score sheet.				
Clinical signs of disease observe	d?		al information/clinical score sheet.				
Gross pathology observed?		N If yes, see additiona	al information/clinical score sheet.				
Diagnostic samples taken?		N					
UNI/REG only - if unable to carry out intended visit detail reason below:							

### **Additional Case Information:**

Three continous rope lines stocked with 2017 juveniles.

No harvests from site since 2016 as used for spat collection.

No movements off site since last inspection. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0258		Site No:	SS0861				
Date of Visit:		28/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	itive?			Y Y	
Site Details								
Total No facilities		3 lines	Facilities sto	cked	3 lines	No facilitie	s inspected	3 lines
	MED							
3-3-1	Juv							
No Fish	3 lines							
Mean Fish Wt	N/A							
Next Fallow Date (Si	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) disease problems?  N Any escapes (since last visit)?  If yes, detail:							N	
Movement Records								
1. Movement records		r inspection?						Y
2. Date of last inspec							19/11/2014	
3. Are records comp		ectly entered	?					Y
4. Are movement red	cords availab	le for dead fis	sh and waste?					N/A
5. Are records comp	lete and corre	ectly entered	?					N/A
6. Are health certification	ates for introd	ductions (outv	vith GB) availa	able?				N/A
Transport Records								
1. Are any movemer If yes, is there a syst		• '		•				
Mortality Records								
Mortality records a	available for i	nspection?						Y
2. How are mortalities		•			Other (detail)	)		
	To seabed (				(			
3. Mortality records of			ered?					Y
4. Recent mortality (	last 4 wks):		No observed	l mortality				
5. Evidence of recen	nt increased/a	typical morta	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
6 Approximation and the in-	o mortaliti.	ring period d	a a alka da					NI/A
6. Any other peaks in If yes, detail:	i mortality du	ning period ci	iecked?					N/A
7. Have increased (u	Inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:			oportou te					
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Treatments and Medicines Records	
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	
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	Y
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)?	Y
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 aquaculture animals held on site?	Y
8. Have the biosecurity procedures been adequately implemented on site?  If no, detail:	Y
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: 19/11/14 - 28/5/18	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0258 SS0861 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 0 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 3 6 3 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area

Biosecurity

Contacts with other sites

**Number of sites** 

Sites operating from single shorebase

Disinfection of equipment between sites, use of footbaths etc

Sites sharing staff and equipment

1

0

2 or 3

Yes

0

Total Risk > 4

No

MEDIUM

Case No:	2018-0258			Date of vis	sit: 28/05/20	)18				
O'C. No		- -			<u> </u>	_				
Site No:	SS0861 Inspector: ALW									
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
			1							
			+		+		+	_		
			+		+	+		+		
			1			_		_		
							4			
			1							
	-					-	+	+		
			+							
Report Summary				7						
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp							
ECI	19/06/2018	B ALW	AJW	1						
			<del>                                     </del>							
	4			4						





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** SB0430 **DATE OF VISIT** 28/05/2018

SITE NO SS0861 SITE NAME Seli Voe (Gardenhouse Voe)

INSPECTOR Andrea Warwick Case No 20180258

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI		Date of issue	e: 12/09/2017
Case No: 2018-0259				Date of visit: 28/0	5/2018
Time spent on site:	0 minutes	_	Main Inspector	r: ALW	$\Rightarrow$
Site No: SS0863	Site Name:	West of Langa			
Business No: SB0430	Business Name:	Blueshell Musse	els Ltd		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	$\supset$	FHI 045 completed	
Observations:	Region: SH	Water type	e: S	CoGP MA:	
Dead/weak/abnormally behaving	fish present?	N If yes, see	additional inform	mation/clinical score s	heet.
Clinical signs of disease observe	d?			mation/clinical score s	
Gross pathology observed?		N If yes, see	additional inform	mation/clinical score s	heet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carry	out intended visit deta	il reason below:			

Six lines stocked with retubed mussels from McIlwaine Shellfish (via Hevden Ness). Site was fully harvested out in 2017.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0259		Site No:	SS0863				
Date of Visit:		28/05/2018	В		Inspector(s):	ALW		]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	itive?			Y Y	
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	6 lines
	MED							
3-3-1	Juv							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (Si	ite)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records								
1. Movement records		r inspection?						Y
2. Date of last inspec		ороошо					19/11/2014	
3. Are records comp		ectly entered	?					Y
4. Are movement red		•						N/A
5. Are records comp	lete and corre	ectly entered	?					N/A
6. Are health certification	ates for introd	ductions (outv	vith GB) availa	able?				N/A
Transport Records								
1. Are any movemer If yes, is there a syst		• '	,	•	•			
Mortality Records	ioni in piaco i	or maintonar		tation rocordo	•			
	!!-!.!- <b>*</b> !							Y
<ol> <li>Mortality records a</li> <li>How are mortalities</li> </ol>		•			Other (detail)			1
	· ·	empty shells)			Other (detail)			
3. Mortality records of			ered?					Y
4. Recent mortality (	•		No observed	l mortality				
5. Evidence of recen	•	tvpical morta						N/A
If yes, facility nos/no		• •		/reason:				
C. Amazanthari aran	a magnification	ning period						N1/A
6. Any other peaks in If yes, detail:	n mortality du	ring perioa ci	ieckea?					N/A
7. Have increased (u	inexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:			C. TOPOTOG IC					
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Treatments and Medicines Records	
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	
Biosecurity records available for inspection?	Y
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	Y
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	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).	
December the shoot and the true are:	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0259 SS0863 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 3 6 3 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites

Sites operating from single shorebase

Disinfection of equipment between sites, use of footbaths etc

Sites sharing staff and equipment

Biosecurity

Contacts with other sites

1

0

2 or 3

Yes

0

Total Risk

> 4

No

MEDIUM

Case No:	2018-0259	7		Date of vis	it: 28/05/20	)18			
O'C N		<b>-</b> -				_			
Site No:	SS0863	J		Inspecto	or: ALW	_			
Results Summary	Freq.	Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
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	_		+				+		
	+	†				+		_	
		<u> </u>							
	_					_		_	
							4		
	+					_		_	
			+						
Report Summary				7					
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp						
ECI	19/06/2018	3 ALW	AJW	1					
			<del>                                     </del>						
				4					





Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NOSB0430DATE OF VISIT28/05/2018SITE NOSS0863SITE NAMEWest of LangaINSPECTORAndrea WarwickCASE NO20180259

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI		Date of issue	e: 12/09/2017		
Case No: 2018-0260				Date of visit: 28/0	5/2018		
Time spent on site:	30 minutes	Ma	ain Inspector	: ALW			
Site No: SS0605 Business No: SB0447	Site Name: Business Name:	Houss SI Seafarms Ltd					
Case Types: 1 ECI	2 3	4 5		6			
Water Temp (°C): 9.2	Thermometer No:	T148	]	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 add	litional inform	nation/clinical score s nation/clinical score s nation/clinical score s	heet.		
UNI/REG only - if unable to carry out intended visit detail reason below:							

Six lines of continous rope in water for spat collection. Lot of seaweed and sea squirts on ropes. Site was fully harvested in 2017.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0260		Site No:	SS0605				
Date of Visit:		28/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	utive?			Y Y	
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	s inspected	6 lines
Species	MED							
Age group	Spat							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) of If yes, detail:	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	<u> </u>							
Movement record		r inspection?						Y
2. Date of last inspec							08/11/2016	
3. Are records comp		ectly entered	?					Y
4. Are movement red	cords availab	le for dead fi	sh and waste?					N/A
5. Are records comp	lete and corr	ectly entered	?					N/A
6. Are health certification	ates for introd	ductions (out	with GB) availa	able?				N/A
Transport Records	•							
1. Are any movement If yes, is there a systematical syste		• •	•	•				
Mortality Records	ici i i piace i	or maintenar	ice of transpor	tation records				
1. Mortality records a		•			Other (deteil)			Y
2. How are mortalitied of their detail:					Other (detail)			
3. Mortality records of	To seabed (							Υ
4. Recent mortality (	•	oon cony cm	No observed	l mortality				
5. Evidence of recen	•	tvoical morta		mortanty				N/A
If yes, facility nos/no		• •		/reason:				
								N1/A
6. Any other peaks in If yes, detail:	n mortality du	ring period c	necked?					N/A
7. Have increased (u	Inexplained)	mortalities he	en reported to	vet or FHI?				N/A
If yes, detail action:	z. rozpiamoa)	ortainties be	, or reported to	, , , , , , , , , , , , , , , , , , , ,				14//
8. Have 'mortality ev	ents' been re	ported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Treatments and Medicines Records	
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	
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	Y
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)?	Y
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 aquaculture animals held on site?	Y
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: 8/11/16 - 28/5/18	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0260 SS0605 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** 1 2 or 3 > 4 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment

Disinfection of equipment between sites, use of footbaths etc

Yes

0

Total Risk No

Case No:	2018-0260			Date of visit:	28/05/2018	]		
Site No:	SS0605	]		Inspector:	ALW	]		
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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Report Summary		I		1				
Case Type	Date	Insp	2 <sup>nd</sup> Insp	1				
ECI	19/06/2018	Transfer of the second	AJW	1				
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				1				





SI Seafarms Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0447Date of Visit28/05/2018Site NoSS0605Site NameHoussInspectorAndrea WarwickCase No20180260

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11	Iss	sued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0261			Date of visit: 28/05/2018
Time spent on site:	30 minutes	Main Ins	spector: ALW
Site No: SS0606 Business No: SB0447	Site Name: Business Name:	Stream Sound SI Seafarms Ltd	
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behavir Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	~	N If yes, see additiona	Il information/clinical score sheet. Il information/clinical score sheet. Il information/clinical score sheet.
UNI/REG only - if unable to car	ry out intended visit detail re	eason below:	

Six continous rope lines stocked for spat collection. Some seaweed and sea squirts on lines. Have been harvesting from this site this year. Small stock retubed at Riskness, Hevden Ness, North of Linga, West of Grobsness, Lee, Foulawick, Millburn, Busta Voe, NW Greena, Wetherstaness, West Langa and Quilse No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ued by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0261		Site No:	SS0606	ò			
Date of Visit:		28/05/2018	В		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	}
Site Details								
Total No facilities		6 lines	Facilities sto	ocked	6 lines	No facilitie	es inspected	6 lines
	MED Spot							
Age group No Fish	Spat							
	6 lines N/A							
Mean Fish Wt		NI/A		Next Input D	-t- (Cito)	Matural er	attall ar rotub	
Next Fallow Date (Si	ite)	N/A		Next Input Da	ate (Site)	Natural sp	patfall or retub	ing
Recent (last 4 wks) of the second (last 4 wks) o	disease prob	lems?		N	Any escapes	s (since last	visit)?	N
Movement Records	s							
1. Movement record		or inspection?						Y
2. Date of last inspec	ection:	·					08/11/2014	
3. Are records comp		•						Y
4. Are movement red								N/A
5. Are records comp		•		11-0				N/A
6. Are health certification		ductions (outv	vith GB) availa	able?				N/A
Transport Records								
1. Are any movement If yes, is there a syst					-			
	letti iti piaco i	01 IIIaliiteriai	Ce or transpor	lallon records	·			
Mortality Records								
1. Mortality records a	available for	inspection?						Y
2. How are mortalities		•			Other (detail)	)		
If other detail:	To seabed (	(empty shells)						
3. Mortality records of	complete and		tered?					Y
4. Recent mortality (	`		No observed	I mortality				
5. Evidence of recen		• •						N/A
If yes, facility nos/no	mortality per	r facility/no sto	ock per facility	/reason:				
6. Any other peaks in	n mortality di	uring period c	backed?					N/A
If yes, detail:	Tillorianty ac	Illing period c.	IECKEU:					
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:			·					
8. Have 'mortality ev	ents' been re	ported to FH	? If no, add M	IRT case and	enter on morta	ality events	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records		
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		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal, recor	ding and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Sc	ottish 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 prese is detected been included and <i>how</i> and <i>when</i> that will be no	·	Y
5. Has the health status of aquaculture animals being stocke health status, certification if required)?	d on the farm site been covered (equal or higher	Y
6. Have the husbandry and biosecurity measures implement transmission of disease been covered (movement of staff, vi		Y
7. Is documentation available regarding the measures in place aquaculture animals held on site?	ce to maintain the physical containment of	Y
8. 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?	N
2. If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease problems).		
December the sked between	0/44/44 20/5/40	

Records checked between: 8/11/14 - 28/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0261 SS0606 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 1 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment

Disinfection of equipment between sites, use of footbaths etc

Yes

0

Total Risk No

Case No:	2018-0261	]		Date of vis	it: 28/05/201	18				
Site No:	SS0606	]		Inspecto	r: ALW	_				
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
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Report Summary				7						
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
ECI	19/06/2018		AJW	1						
				-						
				1						
	1									
	1									
	1									
	1									





SI Seafarms Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0447Date of Visit28/05/2018Site NoSS0606Site NameStream SoundInspectorAndrea WarwickCase No20180261

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI		Date of i	ssue: 12/09/2017
Case No: 2018-0262				Date of visit:	28/05/2018
Time spent on site:	30 minutes	M	lain Inspector	r: A	LW
Site No: SS0618 Business No: SB0447	Site Name: Business Name:	The Firth (Tresta N SI Seafarms Ltd	North)		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	]	FHI 045 comple	eted
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	•	N If yes, see ad	ditional inforn	nation/clinical sca nation/clinical sca nation/clinical sca	ore sheet.
UNI/REG only - if unable to car	ry out intended visit detai	I reason below:			

Three continuous rope lines stocked with 2017 juveniles and 4 lines for 2018 spat collection. Some stock moved to North of Linga a couple of weeks ago.

Site harvested last year. Small stock moved to Inner Collafirth, Cul Ness, Stromness Voe, Lee, Hevden Ness and North West of Cul Houb

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ued by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0262		Site No:	SS0618	3			
Date of Visit:		28/05/201	18		Inspector(s):	: ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	}
Site Details								
Total No facilities		7 lines	Facilities sto	ocked	3 lines	No facilitie	es inspected	7 lines
	MED	MED						
3 - 3 1	Juv	Spat						
No Fish	3 lines	4 lines						
Mean Fish Wt	N/A	N/A						
Next Fallow Date (Si	ite)	N/A		Next Input Da	ate (Site)	Natural sp	patfall or retub	ing
Recent (last 4 wks) of If yes, detail:	disease prob	lems?		N	N Any escapes	s (since last	visit)?	N
Movement Records								
Movement records		or inspection	2					Y
2. Date of last inspec		Л поросион.					19/11/2014	
3. Are records comp		rectly entered	d?				10/	Y
4. Are movement red		•						N/A
5. Are records comp	olete and corr	rectly entered	<b>J</b> ?					N/A
6. Are health certification	ates for intro	ductions (out	with GB) availa	able?				N/A
Transport Records								
1. Are any movement If yes, is there a syst					-			
Mortality Records								
Mortality records a	available for	inspection?						Y
2. How are mortalities		•			Other (detail)			
		(empty shells)	5)					
3. Mortality records of								Y
4. Recent mortality (	(last 4 wks):		No observed	d mortality				
5. Evidence of recen	nt increased/a	atypical morta	alities?					N/A
If yes, facility nos/no	mortality per	r facility/no st	tock per facility	/reason:				
6. Any other peaks in	in mortality d	uring period (	checked?					N/A
If yes, detail:	, ,	aling P	NIGOTO .					
7. Have increased (u	unexplained)	mortalities b	een reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	vents' been re	eported to FH	II? If no, add N	IRT case and	enter on morta	ality events	sheet.	N/A

Treatments and Medicines Records	
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	
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	Y
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)?	Y
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	
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 10/44/44 20/5/49	

Records checked between: 19/11/14 - 28/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0262 SS0618 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 1 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** 1 2 or 3 > 4 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment

Disinfection of equipment between sites, use of footbaths etc

Yes

0

Total Risk No

MEDIUM

Case No:	2018-0262	7		Date of vis	it: 28/05/20	)18		
O'C N		<b>-</b> -				_		
Site No:	SS0618	J		Inspecto	or: ALW	_		
Results Summary	Freq.							
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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			+					
			+					
				_				
Report Summary				_				
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp					
ECI	19/06/2018	3 ALW	AJW	_				
				4				
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				-				
	1	+	+					
	1							





SI Seafarms Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** SB0447 **DATE OF VISIT** 28/05/2018

SITE NO SS0618 SITE NAME The Firth (Tresta North)

INSPECTOR Andrea Warwick CASE No 20180262

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI		Date of is	ssue: 12/09/2017
Case No: 2018-0263				Date of visit: 2	8/05/2018
Time spent on site:	30 minutes		Main Inspecto	or: AL	.W
Site No: SS0619	Site Name:	The Firth (Trest			
Business No: SB0447	Business Name:	SI Seafarms Ltd	d		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	$\supset$	FHI 045 complet	ed
Observations:	Region: SH	Water type	e: S	CoGP MA:	
Dead/weak/abnormally behaving	g fish present?	N If yes, see	additional inform	mation/clinical sco	re sheet.
Clinical signs of disease observe	ed?			mation/clinical sco	
Gross pathology observed?		N If yes, see	additional inform	mation/clinical sco	re sheet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carr	y out intended visit deta	il reason below:			

Seven lines in water, four with 2017 juveniles and 3 for 2018 spatfall.

Harvested site in 2017. Small stock retubed at Inner Collafirth, Cul Ness, North West of Cul Houb, Stromness Voe, wedbister, east of Brunt Hamarsland, The Firth (Tresta North) and Lee.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issue	e: 12/09/2017
Case No:	2018-0263		Site No:	SS0619				
Date of Visit:		28/05/2018	]		Inspector(s):	ALW		1
Registration/Authoral Business/site detail 2. Changes made to	ails summary		ite representa	tive?			Y Y	
Site Details								
Total No facilities		7 lines	Facilities sto	cked	4 lines	No facilitie	s inspected	7 lines
Species	MED	MED						
Age group	Juv	Spat						
No Fish	4 lines	3 lines						
Mean Fish Wt	N/A	N/A						
Next Fallow Date (Si	ite)	N/A		Next Input Da	ite (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) of If yes, detail:	disease prob	ems?		N	Any escapes	(since last	visit)?	N
Movement Records								
Movement records		r inspection?						Y
2. Date of last inspec		i irispection:					19/11/2014	·
3. Are records comp		ectly entered?	>				10/11/2011	Y
4. Are movement red		•						N/A
5. Are records comp	lete and corr	ectly entered?	>					N/A
6. Are health certification	ates for intro	ductions (outv	vith GB) availa	ıble?				N/A
Transport Records								
1. Are any movement If yes, is there a syst		• •		•				
	iciti ili piacci	or maintenan	oc or transpor	tation records	•			
Mortality Records								
1. Mortality records a	available for i	nspection?						Y
2. How are mortalitie		•			Other (detail)			
	·	empty shells)						
3. Mortality records of			ered?					Y
4. Recent mortality (I	last 4 wks):		No observed	mortality				
5. Evidence of recen	t increased/a	typical morta	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	reason:				
6. Any other peaks in	n mortality du	iring period ch	necked?					N/A
If yes, detail: 7. Have increased (u	(nevalained)	mortalities he	on reported to	vot or EUI2				N/A
If yes, detail action:	inexplained)	mortalities be	en reported to	VELUI FITI!				TN/A
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Treatments and Medicines Records	
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	
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
	V
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	Y
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	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: 19/11/14 - 28/5/18	

Records checked between:

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0263 SS0619 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 1 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** 1 2 or 3 > 4 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Site No: Inspector: ALW	Case No:	2018-0263	7		Date of vis	it: 28/05/20	)18				
Results Summary  Freq.  Date of Notification  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp  Insp Phone Insp Date of Notification  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp  Date of Notification  Database Insp Database											
Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp	Site No:	SS0619 Inspector: ALW									
Report Summary	Results Summary	Freq.		Date of Notification							
Report Summary Case Type Date Insp 2 <sup>nd</sup> Insp ECI 19/06/2018 ALW AJW			Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
Report Summary  Case Type  Date  Insp  2nd Insp  ECI  19/06/2018 ALW  AJW											
Report Summary Case Type Date Insp 2 <sup>nd</sup> Insp ECI 19/06/2018 ALW AJW											
Report Summary  Case Type  Date  Insp  2nd Insp  ECI  19/06/2018 ALW  AJW				1				4			
Report Summary Case Type Date Insp ECI 19/06/2018 ALW AJW											
Report Summary Case Type Date Insp 2 <sup>nd</sup> Insp ECI 19/06/2018 ALW AJW				+			_	+	_		
Report Summary  Case Type  Date  Insp  ECI  19/06/2018 ALW  AJW  AJW											
Report Summary  Case Type  Date  Insp 2 <sup>nd</sup> Insp ECI  19/06/2018  ALW  AJW											
Report Summary  Case Type  Date  Insp  2nd Insp  ECI  19/06/2018  ALW  AJW											
Report Summary  Case Type  Date  Insp  2nd Insp  ECI  19/06/2018 ALW  AJW									+		
Report Summary Case Type Date Insp ECI 19/06/2018 ALW AJW											
Report Summary											
Report Summary Case Type Date Insp ECI 19/06/2018 ALW AJW											
Report Summary Case Type Date Insp ECI 19/06/2018 ALW AJW											
Report Summary Case Type Date Insp ECI 19/06/2018 ALW AJW											
Report Summary											
Report Summary  Case Type  Date  Insp 2 <sup>nd</sup> Insp ECI  19/06/2018 ALW  AJW											
Report Summary  Case Type  Date  Insp  ECI  19/06/2018 ALW  AJW											
Report Summary  Case Type  Date  Insp 2 <sup>nd</sup> Insp ECI  19/06/2018 ALW  AJW											
Report Summary Case Type Date Insp ECI 19/06/2018 ALW AJW											
Report Summary  Case Type  Date  Insp 2 <sup>nd</sup> Insp ECI  19/06/2018 ALW  AJW											
Report Summary  Case Type  Date  Insp 2 <sup>nd</sup> Insp ECI  19/06/2018 ALW  AJW							_		_		
Report Summary  Case Type  Date  Insp  2 <sup>nd</sup> Insp  ECI  19/06/2018 ALW  AJW											
Report Summary  Case Type  Date  Insp 2 <sup>nd</sup> Insp ECI  19/06/2018 ALW  AJW											
Case Type Date Insp 2 <sup>nd</sup> Insp ECI 19/06/2018 ALW AJW	Report Summary	1		1	٦						
ECI 19/06/2018 ALW AJW	Cose Type	Data	Inon	ond I.e. a.e.	-						
LOI 19/00/2010 ALW AUW	Case Type		B VI W	2 Insp	4						
	<u> </u>	19/00/2010	ALVV	AJVV	-						
					4						
					-						
					-						
					4						





## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** SB0447 **DATE OF VISIT** 28/05/2018

SITE No SS0619 SITE NAME The Firth (Tresta South)

INSPECTOR Andrea Warwick CASE No 20180263

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0264			Date of visit: 28/05/2018
Time spent on site:	30 minutes	Main Ins	pector: ALW
Site No: SS0697 Business No: SB0447	Site Name: Business Name:	NW Greena, Weisdale Vo SI Seafarms Ltd	00
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observ 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 carr	y out intended visit detail	l reason below:	

#### **Additional Case Information:**

A couple of lines with large mussels for harvest and seven empty lines in water for spat collection.

Have been harvesting from this site at end of 2017 and this year. Small stock retubed at Hevden Ness, Stromness Voe, Busta Voe, Wetherstaness, Foulawick, Houbanster, East of Little Holm and East of Brunt Hamarsland.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting.

Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0264		Site No:	SS0697				
Date of Visit:		28/05/2018	3		Inspector(s):	ALW		]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	utive?			Y Y	
Site Details								
Total No facilities		9 lines	Facilities sto	cked	2 lines	No facilitie	s inspected	9 lines
Species	MED							
Age group	Adult							
No Fish	2 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) of If yes, detail:	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	<u> </u>							
Movement record		r inspection?						Y
2. Date of last inspec		ороошо					19/11/2014	
3. Are records comp		ectly entered	?					Y
4. Are movement red	cords availab	le for dead fis	sh and waste?					N/A
5. Are records comp	lete and corr	ectly entered	?					N/A
6. Are health certification	ates for introd	ductions (outv	vith GB) availa	able?				N/A
Transport Records	i							
1. Are any movement If yes, is there a systematical and the statement of the system of		• '		•				
Mortality Records								
Mortality records a	available for i	nspection?						Y
2. How are mortalities		•			Other (detail)			
If other detail:		empty shells)			(1111)			
3. Mortality records of								Y
4. Recent mortality (	last 4 wks):		No observed	l mortality				
5. Evidence of recer	nt increased/a	typical morta	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
6. Any other peaks in	n mortality du	ring period of	necked?					N/A
If yes, detail:	in intortainty du	ning peniou ci	ieckeu!					IN//A
7. Have increased (u	unexplained)	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, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

Issued by: FHI	Date of issue: 12/09/2017
	Issued by: FHI

Treatments and Medicines Records
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
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)?
Tieanti Status, Certification ii requireu):
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).

19/11/2014 - 28/5/18 Records checked between:

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0264 SS0697 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 1 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** 

Sites operating from single shorebase

Disinfection of equipment between sites, use of footbaths etc

Sites sharing staff and equipment

Biosecurity

Contacts with other sites

1

0

2 or 3

Yes

0

Total Risk

> 4

No

MEDIUM

Case No:	2018-0264	]		Date of visit	: 28/05/2018				
Site No:	SS0697	]		Inspector	: ALW	]			
Results Summary	Freq. Date of Notification								
	1	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
	_								
	+					1		1	
	+			1				1	
						ſ		1	
								Ì	
Report Summary									
Case Type	Date	Insp	2 <sup>nd</sup> Insp						
Case Type ECI	19/06/2018	ALW	AJW						
				]					
	_[								





# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No** SB0447 **DATE OF VISIT** 28/05/2018

SITE NO SS0697 SITE NAME NW Greena, Weisdale Voe

INSPECTOR Andrea Warwick CASE No 20180264

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



FHI 059, Version 11		Issued by: FHI		Date of issue	: 12/09/2017
Case No: 2018-0265				Date of visit: 28/05	5/2018
Time spent on site:	0 minutes	$\neg$	Main Inspector	r: ALW	$\Rightarrow$
Site No: SS0731	Site Name:	Easter Hogaland			
Business No: SB0447	Business Name:	SI Seafarms Ltd			
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148		FHI 045 completed	
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behaving	fish present?	N If yes, see a	dditional inforn	nation/clinical score s	heet.
Clinical signs of disease observe	d?			nation/clinical score s	
Gross pathology observed?		N If yes, see a	idditional inforn	nation/clinical score s	neet.
Diagnostic samples taken?		N			
UNI/REG only - if unable to carry	out intended visit detai	l reason below:			

### **Additional Case Information:**

Eight lines for spat collection. Some seaweed and sea squirts on lines.

Have been harvesting from this site during last year and this year. Small stock retubed at Hevden Ness, Busta Voe, Houbanster, Wetherstaness, Foulawick, Quilse, Lee, Papa Little and North east of Aithness.

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0265		Site No:	SS0731				
Date of Visit:		28/05/2018	3		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	
Site Details								
Total No facilities		8 lines	Facilities sto	cked	8 lines	No facilitie	s inspected	8 lines
Species	MED							
Age group	Spat							
No Fish	8 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) (	disease probl	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	<u> </u>							
Movement record		r inspection?						Y
2. Date of last inspe							08/11/2016	
3. Are records comp		ectly entered	?					Y
4. Are movement re	cords availab	le for dead fis	sh and waste?					N/A
5. Are records comp	lete and corre	ectly entered	?					N/A
6. Are health certific	ates for introd	ductions (out	with GB) availa	able?				N/A
Transport Records								
1. Are any movement If yes, is there a systematical system of the system		• •	•	•				
Mortality Records	iciii iii piace i	or maintenar	ice of transpor	tation records				
								Y
<ol> <li>Mortality records a</li> <li>How are mortalities</li> </ol>		•			Other (detail)			<u> </u>
If other detail:	To seabed (				Other (detail)			
3. Mortality records								Υ
4. Recent mortality (	•		No observed	l mortality				
5. Evidence of recer	•	tvoical morta		,				N/A
If yes, facility nos/no		• •		/reason:				
C. Association and allowing			h l 10					NI/A
6. Any other peaks in If yes, detail:	n mortality du	ring period c	necked?					N/A
7. Have increased (u	unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:			zeponou t					
8. Have 'mortality ev	ents' been re	ported to FH	I? If no, add M	RT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records	
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	
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	Y
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)?	Y
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?  If no, detail:	ļ .
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:

8/11/16 - 28/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0265 SS0731 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** 1 2 or 3 > 4 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment

Disinfection of equipment between sites, use of footbaths etc

Yes

0

Total Risk No

Case No:	2018-0265			Date of visit	: 28/05/2018	3			
Site No:	SS0731	]		Inspector	: ALW	]			
Results Summary	Freq. Date of Notification								
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
	-	•	_	_					
Report Summary				4					
Case Type ECI	Date	Insp	2 <sup>nd</sup> Insp	_					
ECI	19/06/2018	ALW	AJW	_					
				_					
				_					
				_					
				_					





## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0447Date of Visit28/05/2018Site NoSS0731Site NameEaster HogalandInspectorAndrea WarwickCase No20180265

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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.

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

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



FHI 059, Version 11		Issued by: FHI		Date of	issue: 12/09/2017
Case No: 2018-0266				Date of visit:	28/05/2018
Time spent on site:	30 minutes	N	/lain Inspector	r: 🔼	LW
Site No: SS0767 Business No: SB0447	Site Name: Business Name:	NE of Vedri Geo \ SI Seafarms Ltd	Neisdale		
Case Types: 1 ECI	2 3	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	]	FHI 045 comple	eted
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?		N If yes, see ac	lditional inforn	mation/clinical so mation/clinical so mation/clinical so	ore sheet.
UNI/REG only - if unable to care	ry out intended visit detai	I reason below:			

### **Additional Case Information:**

Six lines on site for spat collection. Poor settlement on ropes and ropes currently being cleaned and stripped of seaweed for new settlement. Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

Site harvested last year. Small stock retubed at North West of Cul Houb, Wadbister, East of Little Holm, Busta Voe, Lee, Foulawick and Riskness

No depuration of stock required. Mussels from sites due to harvest are collected early morning and toxin tests completed within 1.5 hours. If clear will harvest, but if positive site must have three negative tests before recommence harvesting.

FHI 059, Version 11			Issu	ued by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0266		Site No:	SS0767	7			
Date of Visit:		28/05/2018	8		Inspector(s):	ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	}
Site Details								
Total No facilities		6 lines	Facilities sto	ocked	6 lines	No facilitie	es inspected	6 lines
	MED Spot							
Age group	Spat							
No Fish	6 lines N/A							
Mean Fish Wt		,			(3)(1)	1	II	
Next Fallow Date (Si	ite)	N/A		Next Input Da	ate (Site)	Natural sp	patfall or retub	ing
Recent (last 4 wks) of If yes, detail:	disease prob	lems?		N	N Any escapes	s (since last	visit)?	N
Movement Records	s							
1. Movement records		or inspection?						Y
2. Date of last inspec							New book	
3. Are records comp	olete and corre	•						Y
4. Are movement red								N/A
5. Are records comp		•						N/A
6. Are health certification	ates for introd	ductions (outv	with GB) availa	able?				N/A
Transport Records								
1. Are any movement If yes, is there a syst					-			
Mortality Records								
Mortality records a	available for i	inspection?						Y
2. How are mortalities					Other (detail)	)		
		(empty shells)						
3. Mortality records of	•	correctly ent						Y
4. Recent mortality (	`		No observed	d mortality				NI/A
5. Evidence of recen		• •						N/A
If yes, facility nos/no	mortality per	facility/no sit	ock per facility	/reason:				
6. Any other peaks in	n mortality du	uring period c	hecked?					N/A
If yes, detail:	1110	illig pent	lookes.					
7. Have increased (u	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:	, ,		·					
8. Have 'mortality ev	ents' been re	ported to FH	I? If no, add M	IRT case and	enter on morta	ality events :	sheet.	N/A

Treatments and Medicines Records	
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	
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	Y
is detected been included and how and when 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 health status, certification if required)?	Y
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.)?	V
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	V
8. Have the biosecurity procedures been adequately implemented on site?  If no, detail:	Ť
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).	
Pacards chacked between: 19/11/2014 - 28/5/18	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0266 SS0767 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 2 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** 1 2 or 3 > 4 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment

Disinfection of equipment between sites, use of footbaths etc

Yes

0

Total Risk No

MEDIUM

Case No:	2018-0266			Date of vis	it: 28/05/20	18				
Site No:	SS0767			Inspector: ALW						
Results Summary	Freq.	Date of Notification								
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp		
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	+	+				+				
	+	+	+		_	+				
			1							
Report Summary		T	T	7						
Case Type	Date	Insp	2 <sup>nd</sup> Insp							
ECI	19/06/201		AJW							
201	13/03/201	ALVV	7.0 * *	4						
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	1	1	1							
	1									





## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS NO** SB0447 **DATE OF VISIT** 28/05/2018

SITE No SS0767 SITE NAME NE of Vedri Geo Weisdale

INSPECTOR Andrea Warwick Case No 20180266

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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 Scotland.

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



FHI 059, Version 11	I	ssued by: FHI		Date of issue	e: 12/09/2017
Case No: 2018-0267				Date of visit: 28/0	5/2018
Time spent on site:	0 minutes	N	lain Inspector	r: ALW	
Site No: SS0912 Business No: SB0447	Site Name: Business Name:	Oxa Geo SI Seafarms Ltd			
Case Types: 1 ECI	23	4	5	6	
Water Temp (°C): 9.2	Thermometer No:	T148		FHI 045 completed	
Observations:	Region: SH	Water type:	S	CoGP MA:	
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see ad	lditional inforn	nation/clinical score s nation/clinical score s nation/clinical score s	sheet.
UNI/REG only - if unable to carry	out intended visit detail	reason below:			

### **Additional Case Information:**

New site. Permission for four lines, but only three in the water at the moment for spat collection. No movements on or off site yet.

Spatfall in Shetland has been poor in 2017, hoping for better season this year otherwise may have to buy in seed.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0267		Site No:	SS0912				
Date of Visit:		28/05/201	8		Inspector(s):	ALW		
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y Y	
Site Details								
Total No facilities Species		3 lines	Facilities sto	cked	0 lines	No facilitie	es inspected	3 lines
Age group No Fish								
Mean Fish Wt								
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	atfall or retub	ing
Recent (last 4 wks) If yes, detail:	disease prob	ems?		N	Any escapes	(since last	visit)?	N
Movement Records	s							
Movement record		r inspection?	•					Y
2. Date of last inspe							New book	
3. Are records comp		•						Y
4. Are movement re				•				N/A
<ul><li>5. Are records comp</li><li>6. Are health certific</li></ul>		•		able?				N/A N/A
		auctions (out	willi Gb) avalla	anie :				IN//A
Transport Records								
1. Are any movement of yes, is there a sys		• '		•				
<b>Mortality Records</b>								
Mortality records :	available for i	nspection?						Y
2. How are mortalities		•			Other (detail)	)		
If other detail:	To seabed (		)		,			
3. Mortality records	•	correctly en	tered?					Y
4. Recent mortality (	(last 4 wks):		No observed	d mortality				
5. Evidence of recer		• •						N/A
If yes, facility nos/no	mortality per	tacility/no st	ock per facility	/reason:				
6. Any other peaks i	n mortality du	ring period o	hecked?					N/A
If yes, detail:		5   2 3						
7. Have increased (	unexplained)	mortalities b	een reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	/ents' been re	ported to FH	I? If no, add M	IRT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records	
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	
Biosecurity records available for inspection?	Υ
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	Y
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)?	Y
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 aquaculture animals held on site?	Y
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).	

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0267 SS0912 Site No: Date of Visit ALW 28/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 10 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 3 6 3 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area **Number of sites** ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0267			Date of visit	: 28/05/201	8			
Site No:	SS0912	]		Inspector	: ALW				
Results Summary	Freq. Date of Notification								
results cultillary	i ioq.	Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
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		<b>-</b>		+	+			+	
				+	+			_	
		<b>-</b>		+	+			+	
Report Summary			T	7					
Casa Typo	Date	Insp	ond Incom	-					
Case Type ECI	19/06/2018	1115P	2 <sup>nd</sup> Insp AJW	4					
LOI	19/00/2018	ALVV	AJVV	4					
				4					
			+	4					
				4					
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				4					
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## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0447Date of Visit28/05/2018Site NoSS0912Site NameOxa GeoInspectorAndrea WarwickCase No20180267

## Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

On this occasion, the site was found to be fallow.

#### 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:

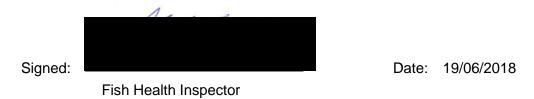
Aquaculture animal and aquaculture animal product movement records were inspected and appeared to be adequately maintained.

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

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



Date of v	visit: 13/06/2018
Main Inspector:	DJT
Fearna	
Loch Striven Mussel Farms Ltd	
4 5 6	$\Rightarrow$
FHI 045	completed
Water type: S CoGF	P MA:
n If yes, see additional information/clir n If yes, see additional information/clir n If yes, see additional information/clir	nical score sheet.
reason below:	
	Main Inspector:  Fearna Loch Striven Mussel Farms Ltd  4 5 6  FHI 045  Water type: S CoGI  n If yes, see additional information/clir n If yes, see additional information/clir n If yes, see additional information/clir

One consignment of mussels inspected for export to Ireland, no issues noted health certificate INTRA.GB.2018.0016278 (local/ref MD18/032) issued.

Consignment consisted of ~18,000 kg in 15 bags.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	ıe: 12/09/2017
Case No:	2018-0268		Site No:	SS0759				
Date of Visit:		13/06/2018	]		Inspector(s):	DJT		
Registration/Authornal 1. Business/site det 2. Changes made to	ails summary		ite representa	ative?			N/A N/A	}
Site Details								
Total No facilities		10	Facilities sto	cked	3	No facilitie	es inspected	N/A
Species	MED							
Age group	spat							
No Fish	~40 tonnes							
Mean Fish Wt	N/A							
Next Fallow Date (S	site)	End of June	2018	Next Input Da	ate (Site)	Natural sp	at collection	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
If yes, detail:								
Movement Record	e							
Movement record		r inconstion?						У
2. Date of last inspe		i inspection:					07/06/2018	y
3. Are records comp		ectly entered?	>				0770072010	Y
4. Are movement re		•						N/A
5. Are records comp								N/A
6. Are health certific				able?				N/A
Transport Records								
1. Are any moveme		• '		,	~ .			
If yes, is there a sys	tem in place f	or maintenan	ce of transpor	rtation records	?			
<b>Mortality Records</b>								
1. Mortality records	available for i	nspection?						N/A
2. How are mortalities		•			Other (detail)			
If other detail:		dropped to s	ea bed		,			
3. Mortality records								N/A
4. Recent mortality	(last 4 wks):		N/A					
5. Evidence of recei	nt increased/a	typical mortal	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks i	n mortality du	iring period ch	necked?					N/A
If yes, detail:	unovoloinad)	mortalities ha	on reported to	vot or EUI2				N/A
7. Have increased ( If yes, detail action:	unexplaineu)	mortanties be	en reported to	VELOI FILL				IN/A
8. Have 'mortality ev	/ents' been re	ported to FHI	? If no. add M	RT case and e	enter on morta	lity events	sheet.	N/A
	20011 10	,	,			.,		

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records	
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	
Biosecurity records available for inspection?	
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?	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:

7/6/18 to 13/6/18

Case No:	2018-0268			Date of visit:	13/06/2018	]			
Site No:	SS0759	]		Inspector:	DJT	]			
Results Summary	Freq.	Date of Notification							
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Report Summary				]					
Case Type	Date	Insp	2 <sup>nd</sup> Insp						
MOV	18/06/2018	DJT	AJW						





Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0530Date of Visit13/06/2018Site NoSS0759Site NameFearnaInspectorDavid TomlinsonCase No20180268

## Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of blue mussel (*Mytilus edulis*) for placing on the market in Ireland was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

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

Signed: Date: 18/06/2018
Fish Health Inspector

FHI 059, Version 11		Issued by: FHI		Date of is	ssue: 12/09/2017
Case No: 2018-0269				Date of visit:	12/06/2018
Time spent on site:		M	lain Inspector	: A.	JW
Site No: FS0015	Site Name:	Loch Greshornish			
Business No: FB0119	Business Name:	Marine Harvest (S	cotland) Ltd		
Case Types: 1 PSI 2	2 3	4	5	6	
Water Temp (°C):	Thermometer No:		]	FHI 045 comple	ted
Observations:	Region: HI	Water type:	S	CoGP MA:	M-24
Dead/weak/abnormally behaving	fish present?	If yes, see ad	ditional inform	nation/clinical sco	ore sheet.
Clinical signs of disease observed	d?			nation/clinical sco	
Gross pathology observed?		If yes, see ad	ditional inform	nation/clinical sco	ore sheet.
Diagnostic samples taken?		ш			
UNI/REG only - if unable to carry	out intended visit detail	il reason below:			

Current on site mortality approximately 0.1% for week attributed to CMS. Morts are generally incinerated on site but post treatment morts tend to be sent to Energen Biogas.

Treatments have included FW for gill issues, salmosan (whole site and individual cages). One pen was treated with hydrolicer but resulted in increased morts so treatments stopped.

It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health, anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.

FHI 059, Version 11		Issued by: FHI			Date	of issue	: 12/09/2017
Case Number:	2018-0269		Site No:	FS0015		Insp:	AJW
Date of Visit	12/06/2018		No of m	ovements/s	supp./dest.		Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	ovements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		ovements on from equivalent zone or	0	0	10	26	
эрсою	Number of supp	cluding third country	0			26 14	_
Movements off	Frequency of m Number of dest		0			10 10	0
Exposure via water	Number of desi	Site contacts				10	
Water contacts with other	Farm is protect	ed (secure water supply through	T T	I-3	0-10		
farms (holding species	disinfection or b		0				
susceptible to same		or in a coastal zone with category I					
diseases)		or within 1 tidal excursion	1	2	4		2
		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		1
Water contacts with	Any processing	plant discharging into adjacent waters					
processors			0	1	2		0
On farm processing within	No on farm pro	cessing	0	1			
the rules of the directive	Processing owr	n fish (re-cycling risk)	1				1
	Processing fish	from MS of equivalent status	2				<del>                                     </del>
		from zone or compartment of					
	equivalent statu		4				
		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				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	l 0	1			0
, , , , , , , , , , , , , , , , , , , ,	Feeding unpast	·	5	-			
Biosecurity		Number of sites	1	」 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase		1	2		0
	Sites sharing st	aff and equipment	0	1	2		
Disinfection of equipment	Yes		<u> </u>				
between sites, use of	No		0				
footbaths etc	110		1	J			
CoGP/Regulator	IVos		1	1			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to coops	Yes			1			
Platform access to cages	No		0				
	140			J			
					Total		3
					Rank		LOW

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/0	)9/2017
Case No: 2018-0269	9 Site No:	FS0015		
Date of case: 12/06/2018		Inspector(s)	AJW	
Business/site contacts correct	ct? (if no update site sun	nmary sheet)	N	
Site Details				
Total No facilities	12 No faciliti	es stocked 1	2	
Species Sal	Lumps			
Age group 2017 Q1	adult			
No Fish 600,000	40,000			
Mean Fish Wt 3.7kg	40g			
Next Fallow Date (Site)	Aug 2018	Next Input Date (Site)	End Nov 2018	
Date of last inspection: (ECI	or PSI) 09/11/20	017		
Any recent increased or atype	ical mortalities? (last 4 w	(eeks)	N	
If yes, detail:	iodi mortantico: (last 4 vi	vocitoj.		
e.g. site				
average, max per cage				
Any increased mortalities? (s  If yes, detail: see additional			Y	
you, actam			Biomea	
			Biogas - Energen,	
			Cumbernaul	
How are mortalities disposed	l of?		d	
If other detail:				
Any tractments? (since last in	oon oation)		V	
Any treatments? (since last in	nspection)		<u> </u>	
If yes, detail: Salmosan Other:				
Any disease on site? (since la			Y	
If yes, detail: CMS, AGD, I	PGD			
Has any animal health survei	llance or diagnostic inve	estigations been carried out b	/, or on behalf	
of, the business?	_			
Any significant results?			Y	
If yes, detail anaemia, CM	IS, AGD, PGD			
Is there a history of sea lice is	ssues at the site in previ	ous 4 years	Y	
If yes, detail:				
Has site been able to keep lie	ce levels below the reco	mmended lice levels?	Y	
If no, detail:				
Treatment discharge for sea	lice in place?			
If yes, detail: Salmosan	Slice	Alphamax	H2O2	
M/hara and line transfer ante ha	ava baan administared b	and they had an effect?	V	
Where sea lice treatments half no, detail:	ave been administered r	lave they had an effect?		
Is a management area agree	ement in place?		Y	
Does your CoGP Farm mana	·	vnchrony?	Y	
		,		
Any reported escapes? (chec Any escapes? (since last insp			Y N	
, , ,				

FHI 059, Version	n 11 Issued by: FHI	Date of issue: 12/09/2017
If yes, detail: (include date)		
Any significant of the significa	changes to your biosecurity procedures since previous visit?	

Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass:	Timescale	Mortality rate recorded(%):	Explained/ unexplained:	If explained, select reason(s):
01/01/18	07/01/2018	≥750g	2kg	SAL	2017 Q1	Weekly	1.11	Explained	anaemia
8/01/18	14/01/2018	≥750g	2kg	SAL	2017 Q1	Weekly	1.35	Explained	anaemia
5/01/18	21/01/2018	≥750g	2kg	SAL	2017 Q1	Weekly	2.68	Explained	anaemia
22/01/18	28/01/2018	≥750g	2kg	SAL	2017 Q1	Weekly	1.09	Explained	anaemia  RMS RTFS RVS Salmo Sea li Seal o

rni 059, ve	131011 11					issued by	. 1 1 11			Date of issue.
29/01/18	04/02/2018	≥750g	2kg	SAL	2017 Q1	Weekly	1.03	Explained	anaemia	☐ Transpor ☐ Treatmer ☐ VHS ☐ Vibriosis ☐ Water qu ☐ Water su
05/02/18	11/02/2018	≥750g	2kg	SAL	2017 Q1	Weekly	1.16	Explained	anaemia	□ White s
12/02/18	18/02/2018	≥750g	2kg	SAL	2017 Q1	Weekly	1.53	Explained	anaemia	
19/02/18	25/02/2018	≥750g	3kg	SAL	2017 Q1	Weekly	1.47	Explained	anaemia	
26/02/18	04/03/2018	≥750g	3kg	SAL	2017 Q1	Weekly	1.41	Explained	anaemia	

riii 059, vei	51011 11					issued by. Fi	11		Date of issue.
05/03/18	11/03/2018	≥750g	3kg	SAL	2017 Q1	Weekly	1.37	Explained	anaemia
12/03/18	18/03/2018	≥750g	3kg	SAL	2017 Q1	Weekly	1.08	Explained	anaemia
19/03/18	25/03/2018	≥750g	3kg	SAL	2017 Q1	Weekly	2.84	Explained	anaemia

If unexplained, select observations:	Total mortality during event (if available):	Additional information (e.g. action taken by company):	Action taken by FHI (include case no where applicable):		
	7516	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)		
	9072	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)		
	17725	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)		
gill pox mage	7029	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)		

,			
rt nt s uality upply failure	6586	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)
	7293	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)
	9547	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)
	9033	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)
	7483	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)

1111 000, VC131011 11		1330Cd by. 1 1 11	Date
	7193	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)
	5615	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)
	14538	It was reported that lice skirts on site had a lot of natural growth which caused water quality issues leading to poor gill health and anaemia and increased mortalities. The skirts have been removed and in Feb the whole site had a fw treatment for the gill issues. Mort levels have since decreased.	PSI case 20180269 Mort levels currently low at 0.38% for wk22 (2018) and 0.22% wk 23 (2018). Fell to 0.78%/site/wk in wk13 2018(26th March)

Case No:	2018-0269	Date of visit: 12/06/2018						
Site No:	FS0015	Inspector: AJW						
Results Summary	Freq.			Da	te of Notifica	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
		L			L	<u> </u>		
Report Summary								
Coop Type	Doto	lnon	and L					
Case Type PSI	Date 15/06/2018	Insp	2 <sup>nd</sup> Insp KAS					
731	15/06/2016	AJVV	KAS					
		-						
	<del>                                     </del>							





Marine Harvest (Scotland) Ltd Stob Ban House Glen Nevis Business Park Fort William PH33 6RX

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NOFB0119DATE OF CASE12/06/2018SITE NOFS0015SITE NAMELoch Greshornish

INSPECTOR Amanda Walker Case No 20180269

Routine surveillance frequency assessment under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was contacted in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

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

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 thirdyear. The category of the site will be reassessed on a routine basis and updated as required.

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.

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: 15/06/2018

FHI 059, Version 11		Issued by: FHI	Date of issue:	12/09/2017		
Case No: 2018-0270			Date of visit: 14/06/	2018		
Time spent on site:	3h	Main	Inspector: DJT	$\Rightarrow$		
Site No: SS0759	Site Name:	Fearna				
Business No: SB0530	Business Name:	Loch Striven Mussel F	arms Ltd			
Case Types: 1 MOV	2 3	4 5	6			
Water Temp (°C):	Thermometer No:		FHI 045 completed			
Observations:	Region: ST	Water type: S	CoGP MA:			
Dead/weak/abnormally behaving	g fish present?	n If yes, see addition	onal information/clinical score sh	eet.		
Clinical signs of disease observ	red?	n If yes, see addition	onal information/clinical score sh	eet.		
Gross pathology observed?		n If yes, see addition	onal information/clinical score sh	eet.		
Diagnostic samples taken?		n				
UNI/REG only - if unable to carry out intended visit detail reason below:						

One consignment of mussels inspected for export to Ireland, no issues noted health certificate INTRA.GB.2018.0016424 (local/ref MD18/033) issued.

Consignment consisted of ~18,000 kg in 15 bags.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0270		Site No:	SS0759				
Date of Visit:		14/06/2018	]		Inspector(s):	DJT		
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			N/A N/A	
Site Details								
Total No facilities		10	Facilities sto	cked	2	No facilitie	s inspected	N/A
Species	MED							
Age group	spat							
No Fish	~25 tonnes							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	End of June	2018	Next Input Da	ite (Site)	Natural sp	at collection	
Recent (last 4 wks) (	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
Movement Records								
		r inanastian?						
<ol> <li>Movement record</li> <li>Date of last insper</li> </ol>		r inspection?					13/06/2018	У
3. Are records comp		ectly entered?	•				13/00/2010	Y
4. Are movement re		•						N/A
5. Are records comp								N/A
6. Are health certific		•		able?				N/A
Transport Records								
1. Are any movement of yes, is there a systematical syste		• •	•	•				
Mortality Records	ioni in piaco i	or maintonan		radion rocordo.	•			
Mortality records a	availahla for ii	nenaction?						N/A
2. How are mortalities		•			Other (detail)			14/7
If other detail:		dropped to s	ea bed		Otrior (dotail)			
3. Mortality records								N/A
4. Recent mortality (	•	·	N/A					
5. Evidence of recent increased/atypical mortalities?						N/A		
If yes, facility nos/no mortality per facility/no stock per facility/reason:								
								N/A
6. Any other peaks in mortality during period checked?  If yes, detail:							IN/A	
							N/A	
If yes, detail action:			.,					
8. Have 'mortality ev	rents' been re	ported to FHI	? If no, add M	IRT case and e	enter on morta	lity events s	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		

Treatments and Medicines Records	
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	
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?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	

13/6/18-14/6/18 Records checked between:

Case No:	2018-0270			Date of visit	14/06/2018			
Site No:	SS0759	]		Inspector	: DJT	]		
Results Summary	Freq.			Da	ate of Notifica	ition		
ŕ		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Donart Summary			1	1				
Report Summary	Dete	la sa	and .					
Case Type MOV	Date	Insp	2 <sup>nd</sup> Insp	_				
MOV	18/06/2018	DJT	AJW	-				
				-				
				-				
				-				
				-				
				-				
				-				
			<u> </u>					





Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0530
 Date of Visit
 14/06/2018

 Site No
 SS0759
 Site Name
 Fearna

 Inspector
 David Tomlinson
 Case No
 20180270

## Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of blue mussel (*Mytilus edulis*) for placing on the market in Ireland was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

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

Signed: Date: 18/06/2018
Fish Health Inspector

FHI 059, Version 11	Issu	ed by: FHI	Date of issue: 12/09/2017	
Case No: 2018-0271			Date of visit: 30/05/2018	
Time spent on site:	30 minutes	Main Inspecto	or: ALW	
Site No: SS0919 Business No: SB0430	Site Name: Business Name:	East of Stucko Blueshell Mussels Ltd		
Case Types: 1 ECI	2 3	4 5	6	
Water Temp (°C): 9.2	Thermometer No:	T148	FHI 045 completed	
Observations:	Region: #N/A	Water type: #N/A	CoGP MA: #N/A	
Dead/weak/abnormally behaving fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  N If yes, see additional information/clinical sco				
UNI/REG only - if unable to car	ry out intended visit detail rea	son below:		

New site and 3 lines placed in water only a couple of weeks ago. Lines are 360m in length. Spatfall in Shetland has been poor in 2017.

FHI 059, Version 11			Iss	ued by: FHI			Date of issu	ue: 12/09/2017
Case No:	2018-0271		Site No:	SS09	19			
Date of Visit:		30/05/201	18		Inspector(s	s): ALW		1
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		r site represent	tative?			Y Y	-
Site Details								
Total No facilities Species		3	Facilities sto	ocked	0	No faciliti	ies inspected	3
Age group No Fish								
Mean Fish Wt								
Next Fallow Date (S	ite)	N/A		Next Input I	Date (Site)	Natural s	spatfall or retub	oing
Recent (last 4 wks) of the second (last 4 wks) o	disease prob	olems?			N Any escape	es (since last	t visit)?	N
Movement Records	S							
Movement record		or inspection	ı?					Y
2. Date of last inspec	ection:	·					New site	
3. Are records comp		•						N/A
4. Are movement red				?				N/A N/A
<ul><li>5. Are records comp</li><li>6. Are health certification</li></ul>		•		lable?				N/A
Transport Records								
Are any movement								
If yes, is there a syst	tem in place	for maintena	ance of transpo	ortation record	ds?			
Mortality Records								
1. Mortality records a	available for	inspection?						Y
2. How are mortalities		•			Other (deta	ail)		
If other detail:		(empty shells						
3. Mortality records of	•	d correctly er						N/A
4. Recent mortality (	`			ettlement yet				NI/A
5. Evidence of recently yes, facility nos/no		• •		w/reason:				N/A
II yes, radiity 1105/110	mortanty pc.	Taomty/Tio C	lock per racin.,	//Teason.				
6. Any other peaks in	n mortality d	uring period	checked?					N/A
If yes, detail:	a laire ed)	- t = U4i no I		· · · · · · · · · · · · · · · · · · ·				NI/A
7. Have increased (ulif yes, detail action:	•	mortalities	een reported t	o vet or Friir				N/A
8. Have 'mortality ev		eported to FI	HI? If no, add I	MRT case an	d enter on mo	rtality events	sheet.	N/A

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records						
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						
Biosecurity records available for inspection?		Y				
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 prese		Y				
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 impleme	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?	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: 1/5/18 - 30/5/18

FHI 059, Version 11 Issued by: FHI Date of issue: 12/09/2017 Case Number: 2018-0271 SS0919 Site No: Date of Visit ALW 30/05/2018 Inspector: Number of Susceptible species on site If no susceptible species present = LOW 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 1 2-5 >6 Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion 0 2 10 0 0 1-2 >3 Live shellfish movements 0 5 10 O Frequency of movements on from equivalent MS Movements on 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 0 2 1 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations 3 6 **Secure Unsecure** Management (effluent (no effluent practices None treatment) treatment) Water contacts with Depuration of stock from own sites within MSS depuration facilities management area 0 2 0 Depuration of stock from other businesses sites within MSS management area 0 2 6 n Depuration of stock from sites outwith MSS management 0 4 8 0 area Number of sites ≥ 4 1 2 or 3 Biosecurity Sites operating from single shorebase 0 Contacts with other sites Sites sharing staff and equipment Yes No

Disinfection of equipment between sites, use of footbaths etc

0

Total Risk

MEDIUM

Case No:	2018-0271	]		Date of visit	30/05/2018			
Site No:	SS0919	]		Inspector	: ALW	]		
Results Summary	Freq.	Date of Notification						
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Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Unit 1, Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0430Date of Visit30/05/2018Site NoSS0919Site NameEast of StuckoInspectorAndrea WarwickCase No20180271

### Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009, and to meet the requirements of European Community Council Directive 2006/88/EC.

On this occasion, the site was found to be fallow.

#### 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.

Registration documents were completed. 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 Scotland.

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



FHI 059, Version 11	I	Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0275			Date of visit: 21/06/2018
Time spent on site:	3 hrs	Main Ins	spector: WJM
Site No: SS0759	Site Name:	Fearna	
Business No: SB0530	Business Name:	Loch Striven Mussel Fari	ms Ltd
Case Types: 1 MOV	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA:
Dead/weak/abnormally behavir	ng fish present?	N If yes, see additiona	I information/clinical score sheet.
Clinical signs of disease observ	ved?		I information/clinical score sheet.
Gross pathology observed?		N If yes, see additiona	I information/clinical score sheet.
Diagnostic samples taken?		N	
UNI/REG only - if unable to car	ry out intended visit detail	reason below:	

### **Additional Case Information:**

One consignment of mussels inspected for export to Ireland, no issues noted and shells looked clean. Health certificate INTRA.GB.2018.0017119 (local ref. MD18/034) issued.

Consignment consisted of 15 bags @ 1.2 tonnes/bag.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017
Case No:	2018-0275		Site No:	SS0759				
Date of Visit:		21/06/2018			Inspector(s):	WJM		]
Registration/Authornal 1. Business/site det 2. Changes made to	ails summary		ite representa	ative?			N/A N/A	
Site Details								
Total No facilities		10	Facilities sto	cked	1.5	No facilitie	es inspected	N/A
Species	MED							
Age group	SPAT							
No Fish	~25 tonnes							
Mean Fish Wt	25mm							
Next Fallow Date (S	ite)	End of June	2018	Next Input Da	ite (Site)	Natural sp	at collection	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
If yes, detail:	,					,		
Movement Record	<u> </u>							
		r inanaction?						Y
<ol> <li>Movement record</li> <li>Date of last inspect</li> </ol>		i inspection?					14/06/2018	'
3. Are records comp		ectly entered?	<b>,</b>				14/00/2018	Y
4. Are movement re		•						N/A
5. Are records comp								N/A
6. Are health certific				able?				N/A
Transport Records		`	,					
1. Are any moveme	nts carried ou	t by (or on be	half) of the bu	ısiness (not usi	ing a STB)?			
If yes, is there a sys		• '		•				
<b>Mortality Records</b>								
1. Mortality records	available for i	nspection?						N/A
2. How are mortalities		•			Other (detail)			
If other detail:		drop to sea b	oed		,			
3. Mortality records								N/A
4. Recent mortality	(last 4 wks):		N/A					
5. Evidence of recei	nt increased/a	typical mortal	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks i	n mortality du	ring period ch	necked?					N/A
If yes, detail:	upovoloja ad\	mortalities k	on roported to	Not or ELIIO				NI/A
7. Have increased ( If yes, detail action:	unexplained)	mortanties be	en reported to	vecor FHI?				N/A
8. Have 'mortality ev	/ents' been re	ported to FHI	? If no, add M	RT case and e	enter on morts	lity events	sheet	N/A
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FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records  1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records				
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				
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?	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: 14/06/2018 - 20/06/2018

Case No:	2018-0275			Date of visit	: 21/06/2018	В			
Site No:	SS0759	]		Inspector	: WJM	]			
Results Summary	Freq.	Date of Notification							
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Case Type MOV	Date	Insp	2 <sup>nd</sup> Insp	4					
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Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0530Date of Visit21/06/2018Site NoSS0759Site NameFearnaInspectorWarren MurrayCase No20180275

## Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of blue mussel (*Mytilus edulis*) for placing on the market in Ireland was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

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

Signed: Date: 25/06/2018
Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>

FHI 059, Version 11		Issued by: FHI	Date of issue: 12/09/2017
Case No: 2018-0285			Date of visit: 27/06/2018
Time spent on site:	8 hours	Main I	Inspector: JET
Site No: SS0759	Site Name:	Fearna	
Business No: SB0530	Business Name:	Loch Striven Mussel Fa	arms Ltd
Case Types: 1 MOV	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: ST	Water type: S	CoGP MA:
Dead/weak/abnormally behavir	ng fish present?	N If yes, see addition	nal information/clinical score sheet.
Clinical signs of disease observ	ved?		nal information/clinical score sheet.
Gross pathology observed?		N If yes, see addition	nal information/clinical score sheet.
Diagnostic samples taken?		N	
UNI/REG only - if unable to car	ry out intended visit deta	il reason below:	

## **Additional Case Information:**

Inspection of consignment of mussels for export to Ireland (INTRA.GB.2018.0017135), 12 bags totalling approximately 15 tonnes. Mussels inspected appeared healthy with very little fouling.

FHI 059, Version 11			Issu	ed by: FHI			Date of issu	e: 12/09/2017	
Case No:	2018-0285		Site No:	SS0759					
Date of Visit:		27/06/2018			Inspector(s):	JET		]	
Registration/Authorisation Details  1. Business/site details summary checked by site representative?  2. Changes made to details?									
Site Details									
Total No facilities		1	Facilities sto	cked	10	No facilitie	es inspected	1	
Species	MED								
Age group	2017								
No Fish	~15 tonnes								
Mean Fish Wt	25mm								
Next Fallow Date (S	ite)	End of June	2018	Next Input Da	ate (Site)	Natural sp	at collection		
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		i inopeditori:					26/06/2018		
3. Are records comp		ectly entered?	>				20/00/2010	Y	
4. Are movement re		•						N/A	
5. Are records comp								N/A	
6. Are health certific				able?				N/A	
Transport Records	•								
1. Are any movemen		• •		,	•				
If yes, is there a sys	tem in place f	or maintenan	ce of transpor	tation records	?				
<b>Mortality Records</b>									
1 Mortality records	available for i	nepoetion?						N/A	
<ol> <li>Mortality records a</li> <li>How are mortalities</li> </ol>		•			Other (detail)			IN/A	
If other detail:		fall to sea be	ad		Other (detail)				
3. Mortality records								N/A	
4. Recent mortality (	•	Correctly only	None observ	red					
5. Evidence of recer	•	itypical mortal						N/A	
If yes, facility nos/no		• •		/reason:					
		·							
6. Any other peaks i	n mortality du	iring period ch	necked?					N/A	
If yes, detail:									
7. Have increased (	unexplained)	mortalities be	en reported to	vet or FHI?				N/A	
If yes, detail action:	( . ] .		0.16	DT		l'i		N1/A	
8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.								N/A	

FHI 059, Version 11	Issued by: FHI	Date of issue: 12/09/2017
Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		

Treatments and Medicines Records	
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	
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:	
ii no, detaii.	
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:

26/06/2018 - 27/06/2018

Case No:	2018-0285			Date of visi	it: 27/06/20	18					
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Site No:	SS0759 Inspector: JET										
Results Summary	Freq.	Date of Notification									
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Loch Striven Mussel Farms Ltd The Point Ardtaraig Estate Loch Striven Argyll PA23 8RG

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0530
 Date of Visit
 27/06/2018

 Site No
 SS0759
 Site Name
 Fearna

 Inspector
 Joe Triscott
 Case No
 20180285

### Inspection for placing on the market in the EU

In accordance with the Trade in Animals and Related Products (Scotland) Regulations 2012 and European Community Council Directive 2006/88/EC, the above site was visited and a consignment of Blue Mussels (*Mytilus edulis*) for placing on the market in Ireland was inspected. A health certificate was issued which must travel with the consignment to the destination. The official authority in the importing country has been notified.

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

Signed: Date: 29/06/2018

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at <a href="https://www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter">www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter</a>