FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0420			Date of visit: 06/08/2019
Time spent on site:	) minutes	Main	Inspector:
Site No: SS0886 Business No: SB0430	Site Name: Business Name:	East of Brunt Hamersl Blueshell Mussels Ltd	and
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	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 additio	nal information/clinical score sheet. nal information/clinical score sheet. nal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

Mix of 1 and 2 year old stock on site. Quite a lot of seaweed and squirts on the lines. Weekly testing in area for toxins.

FHI 059, Version 12	2		Issu	ıed by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0420		Site No:	SS0886	3			
Date of Visit:		06/08/2019	)		Inspector(s):			]
Registration/Authornal 1. Business/site detaction 2. Changes made to	ails summary		site representa	ative?			Y Y	}
Site Details								
Total No facilities		6 lines	Facilities sto	cked	5 lines	No facilitie	es inspected	6 lines
Species	MED							
Age group	1 & 2 year							
No Fish	5 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	patfall	
					1			
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	visit)?	N/A
If yes, detail:								
Movement Record	s							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspe							31/05/2017	
3. Are records comp		ectly entered?	?					Y
4. Are movement re		•		,				N/A
5. Are records comp	olete and corre	ectly entered?	?					N/A
6. Are health certific	ates for introd	luctions (outv	vith GB) availa	able?				N/A
Transport Records								
1. Are any movement		t by (or on be	half) of the bu	isiness (not us	ing a STB)?			
If yes, is there a sys				•	_			
Mortality Records								
Mortality records	available for i	nspection?						Y
2. How are mortalitie		•			Other (detail	)		
	empty shells				Ctrior (dotain	)		
3. Mortality records			ered?					TY
4. Recent mortality	•		No observed	d mortality				
5. Evidence of recei	•	typical morta						N
If yes, facility nos/no				/reason:				
,			J. P. J.					
6. Any other peaks i	n mortality du	ring period ch	necked?					N
If yes, detail:								
7. Have increased (	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 FHI	? If no, add N	IRT case and c	enter on mort	ality events	sheet.	N/A

_			_			
Resul	ts.	Ot.	SII	rveil	llan	ce

If no, detail:

- 1. Has any animal health surveillance been carried out by, or on behalf of, the business?
- 2. If yes, are results available for inspection?
- 3. Any significant results?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

31/5/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0420 Site No: SS0886 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 2 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0420	Date of visit: 06/08/2019						
Site No:	SS0886	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	ļ							
Report Summany	_			1				
Report Summary Case Type	Data	Inon	ond .					
Case Type	Date 07/10/2010	Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							
	_							





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

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 DATE OF VISIT 06/08/2019
SITE NO SS0886 SITE NAME East of Brunt Hamersland

INSPECTOR CASE NO 20190420

### 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 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.



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>

Date: 07/10/2019

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/201
Case No: 2019-0421			Date of visit: 06/08/2019
Time spent on site:	) minutes	Main	Inspector:
Site No: SS0885 Business No: SB0430	Site Name: Business Name:	East of Little Holm Blueshell Mussels Ltd	i
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	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 addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

Mix of 1 and 2 year old stock on site. Some seaweed and sea squirts on droppers Weekly testing in area for toxins.

FHI 059, Version 12			Issu	ıed by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0421	]	Site No:	SS0885	3			
Date of Visit:		06/08/2019	<b>3</b>		Inspector(s):	:		]
Registration/Authornamental 1. Business/site detaction 2. Changes made to	ails summary		site representa	ative?			Y Y	3
Site Details								
Total No facilities		6 lines	Facilities sto	cked	4 lines	No facilitie	es inspected	6 lines
Species	MED							
Age group	1 & 2 year							
No Fish	4 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	oatfall	
Recent (last 4 wks)	disease probl	lems?		N	Any escapes	s (since last	visit)?	N/A
If yes, detail:	discase presi	cili3:			Arry Coodpos	) (Silloc last	VISIC):	NA
Movement Record	s							
1. Movement record		r inspection?						Y
2. Date of last inspe							31/05/2017	
3. Are records comp		ectly entered	?					Y
4. Are movement re		•		,				N/A
5. Are records comp	olete and corre	ectly entered	?					N/A
6. Are health certific		•		able?				N/A
Transport Records	5							
1. Are any movemen		t by (or on be	half) of the bu	usiness (not us	ing a STB)?			
If yes, is there a sys				•	_			
Mortality Records								
1. Mortality records	available for i	nspection?						Y
2. How are mortalitie	es disposed o	f?			Other (detail	)		
If other detail:	empty shells	s to seabed						
3. Mortality records			ered?					Y
4. Recent mortality	(last 4 wks):		No observed	d mortality				
5. Evidence of recer	nt increased/a	typical morta	lities?					N
If yes, facility nos/no				/reason:				
6. Any other peaks i	in mortality du	ring period of	hooked?					N
If yes, detail:	II IIIOItality du	ning period ci	ieckeu:					
7. Have increased (	unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	vents' been re	ported to FHI	? If no, add N	IRT case and e	enter on mort	ality events	sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/201	8
Recent treatments (last 4 wks)?  If yes, detail:			
If other, detail:			
2. Medicines records available for inspection?			ĺ
3. Are records complete and correctly entered?			
4. Are fish in a withdrawal period?			
5. If yes, what treatment(s)?			
If other, detail:			Į
6. Are medicines stored appropriately?			
Biosecurity Records			
Biosecurity records available for inspection?			1
Has the manner and frequency of mortality replacements			
3. Has the manner and period in which the APB	•	ary professional of any	,
increased (unexplained) mortality at the site bee	en included?		
4. Has the action that will be taken in the event t	hat the presence or suspicion of the pr	resence of a listed disease	7
is detected been included and <i>how</i> and <i>when</i> the			
5. Has the health status of aquaculture animals l health status, certification if required)?			1
,			
6. Have the husbandry and biosecurity measures	s implemented between each epidemi	ological unit to minimise	1
transmission of disease been covered (moveme	nt of staff, visitors, equipment, live or o	lead fish etc.)?	
7. Is documentation available regarding the mea	sures in place to maintain the physical	containment of	
aquaculture animals held on site?			,
Have the biosecurity procedures been adequal If no, detail:	ately implemented on site?		
Results of Surveillance			
Has any animal health surveillance been carri	ed out by, or on behalf of, the busines	s?	I
-			

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

31/5/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0421 Site No: SS0885 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 2 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0421	Date of visit: 06/08/2019						
Site No:	SS0885	l	Inspector:					
Results Summary	Freq.			Dat	te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summany				1				
Report Summary Case Type	Date	Inco	and I					
Case Type		Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							





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# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 SITE NO SS0885 INSPECTOR DATE OF VISIT SITE NAME CASE NO

06/08/2019 East of Little Holm

20190421

## 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 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 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0422			Date of visit: 06/08/2019
Time spent on site:	) minutes	Main Inspe	ector:
Site No: SS0862 Business No: SB0430	Site Name: Business Name:	Inner Collafirth, Delting Blueshell Mussels Ltd	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving of 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 deta	ail reason below:	

Two year old resocked stock on site. Use continous ropes. Very few sea squirts, but some seaweed at top of lines. Weekly testing in area for toxins.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0422		Site No:	SS0862				
Date of Visit:		06/08/2019	]		Inspector(s):			]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y	}
Site Details Total No facilities		14 lines	Facilities sto	cked	14 lines	No facilitie	es inspected	14 lines
Species Age group No Fish	MED 2 year old 14 lines							
Mean Fish Wt Next Fallow Date (Si	N/A	N/A		Next Input Da	ate (Site)	Natural sp	patfall	
Recent (last 4 wks) of If yes, detail:	disease probl	ems?		N	Any escapes	s (since last	visit)?	N/A
Movement Records  1. Movement records  2. Date of last inspect  3. Are records comp  4. Are movement records  5. Are records comp  6. Are health certifications	s available for ction: lete and corre cords available lete and corre	ectly entered? le for dead fis ectly entered?	h and waste?				31/05/2017	Y N/A N/A N/A
Transport Records 1. Are any movemer If yes, is there a syst	nts carried out			•	_			
Mortality Records  1. Mortality records a  2. How are mortalitie If other detail:	es disposed o	f?			Other (detail	)		Y
Mortality records of the second	•		ered? No observed	l mortality				Y
5. Evidence of recent If yes, facility nos/no		• •		/reason:				N
6. Any other peaks in If yes, detail:								N
7. Have increased (ull f yes, detail action: 8. Have 'mortality ev			·		enter on morta	ality events	sheet.	N/A

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

3. Any significant results?

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0422 Site No: SS0862 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

LOW

Case No:	2019-0422	Date of visit: 06/08/2019						
Site No:	SS0862	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			-					
Report Summary								
Report Summary Case Type	Date	Insp	2 <sup>nd</sup> Insp					
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Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

**Business No** SB0430 SITE NO SS0862

INSPECTOR

DATE OF VISIT 06/08/2019

SITE NAME Inner Collafirth, Delting CASE NO 20190422

## 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every four years.

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 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0423			Date of visit: 06/08/2019
Time spent on site:	) minutes	Main Ins	pector:
Site No: SS0891 Business No: SB0430	Site Name: Business Name:	Gunnister Voe Blueshell Mussels Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed 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 carry	out intended visit deta	il reason below:	

Only have one short line in water to test settlement in area. Appears to have been a good settlement and lines clean.

FHI 059, Version 12	Issu	ued by: FHI	Date of is	sue: 08/10/2018
Case No: 2019-0423	Site No:	SS0891		
Date of Visit:	06/08/2019	Inspecto	r(s):	
Registration/Authorisation Do 1. Business/site details summa 2. Changes made to details?		ative?	Y	3
Site Details Total No facilities Species Age group No Fish  MED 1 year old 1 line	1 line Facilities sto	ocked 1 line	No facilities inspecte	d 1 line
Mean Fish Wt N/A	<del>                                     </del>			
Next Fallow Date (Site)	N/A	Next Input Date (Site)	Natural spatfall	
Recent (last 4 wks) disease pro	blems?	N Any esca	apes (since last visit)?	N/A
Movement Records  1. Movement records available 2. Date of last inspection: 3. Are records complete and co 4. Are movement records availa 5. Are records complete and co 6. Are health certificates for intr	errectly entered? able for dead fish and waste errectly entered?		23/07/20	Y 15 Y N/A N/A
Transport Records  1. Are any movements carried of the second of the sec			3)?	
	l of? ells to seabed	Other (de	etail)	Y
<ol> <li>Mortality records complete a</li> <li>Recent mortality (last 4 wks)</li> </ol>		d mortality		Y
5. Evidence of recent increased If yes, facility nos/no mortality p	l/atypical mortalities?			N
6. Any other peaks in mortality	during period checked?			N
If yes, detail: 7. Have increased (unexplained flyes, detail action: 8. Have 'mortality events' been			nortality events sheet.	N/A

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

23/7/15- 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0423 Site No: SS0891 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

\_OW

Case No:	2019-0423			Date of visit:	06/08/2019			
Site No:	SS0891			Inspector:				
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
			<b>-</b>					
	1							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							
			<del></del>					





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

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0430
 Date of Visit
 06/08/2019

 Site No
 SS0891
 Site Name
 Gunnister Voe

 Inspector
 Case No
 20190423

## 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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every four years.

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.



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>

Date: 07/10/2019

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018	
Case No: 2019-0424		Date of visit: 06/08/2019	
Time spent on site: 30 min	inutes	Main Inspector:	
	ite Name: Easter Hogaland usiness Name: SI Seafarms Ltd		
Case Types: 1 ECI 2	3 4	5 6	
Water Temp (°C): 12.5 Th	hermometer No:	FHI 045 completed	
Observations: Re	egion: SH Water type:	S CoGP MA	
Dead/weak/abnormally behaving fish Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken?	N If yes, see a	additional information/clinical score sheet. additional information/clinical score sheet. additional information/clinical score sheet.	
UNI/REG only - if unable to carry out intended visit detail reason below:			

Mix of continous rope and droppers. Good spat settlement on top 1.5m, but a lot of sea squirts at the bottoms of the loops. Better settlement on droppers. Squirts tend to die off over winter and mussels can spread along the ropes. Toxin test samples taken weekly from area.

FHI 059, Version 12	Iss	ued by: FHI	Date of iss	ue: 08/10/2018
Case No: 2019	-0424 Site No:	SS0731		
Date of Visit:	06/08/2019	Inspector(s	s):	]
Registration/Authorisati  1. Business/site details su  2. Changes made to detail	mmary checked by site represent	tative?	Y N	- }
No Fish 6 line	ar old	ocked 6 lines	No facilities inspected	6 lines
Mean Fish Wt Next Fallow Date (Site)	N/A	Next Input Date (Site)	Natural spatfall	
Recent (last 4 wks) diseas	se problems?	N Any escap	es (since last visit)?	N/A
5. Are records complete a	nd correctly entered? available for dead fish and waste		30/05/2018	Y S Y N/A N/A
-	rried out by (or on behalf) of the b place for maintenance of transpo		,	
Mortality Records  1. Mortality records availal  2. How are mortalities displication of the detail:  emp	•	Other (deta	ail)	Y
	ete and correctly entered?	ed mortality		Y
	eased/atypical mortalities? ality per facility/no stock per facilit	y/reason:		N
6. Any other peaks in mor If yes, detail:	tality during period checked?			l N
7. Have increased (unexplif yes, detail action:	lained) mortalities been reported to been reported to FHI? If no, add I		rtality events sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?  If you detail:		
If yes, detail:  If other, detail:		
Medicines records available for inspec	tion?	
Are records complete and correctly en		
4. Are fish in a withdrawal period?	ici cu .	
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for insper	ction?	V
•	tality removal, recording and safe disposal beer	considered?
•	ne APB will notify Scottish Ministers or veterinary	
increased (unexplained) mortality at the	·	Y
4. Has the action that will be taken in the	event that the presence or suspicion of the pres	sence of a listed disease
is detected been included and how and i	when that will be notified to Scottish Ministers?	
•	nimals being stocked on the farm site been cov	ered (equal or higher Y
health status, certification if required)?		
6. Have the husbandar and his courity m	neasures implemented between each epidemiok	ogical unit to minimina
•	novement of staff, visitors, equipment, live or de	
· ·	the measures in place to maintain the physical c	
aquaculture animals held on site?	The measures in place to maintain the physical o	orital inferit of
8. Have the biosecurity procedures been	adequately implemented on site?	Y
If no, detail:		
Results of Surveillance		
1. Has any animal health surveillance be	en carried out by, or on behalf of, the business?	N

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

30/5/18- 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0424 Site No: SS0731 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Case No:	2019-0424			Date of visit:	06/08/2019			
Site No:	SS0731	1	Inspector:					
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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Report Summany								
Report Summary Case Type	Data	Inon	ond .					
Case Type	Date 07/10/2010	Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							
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	-							
	_		<del></del>					





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

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

Business NoSB0447Date of Visit06/08/2019Site NoSS0731Site NameEaster HogalandInspectorCase No20190424

### 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 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.



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 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0426			Date of visit: 06/08/2019
Time spent on site:	) minutes	Main	Inspector:
Site No: SS0605 Business No: SB0447	Site Name: Business Name:	Houss SI Seafarms Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

### **Additional Case Information:**

Good spat settlement on top 1.5m, but a lot of sea squirts at the bottoms of the loops. Squirts tend to die off over winter and mussels can spread along the ropes.

Toxin test samples taken weekly from area.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No:	2019-0426		Site No:	SS0605				
Date of Visit:		06/08/2019	]		Inspector(s):			]
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y N	}
Site Details Total No facilities Species Age group No Fish	MED 1 year old 6 lines	6 lines	Facilities sto	cked	6 lines	No facilitie	es inspected	6 lines
Mean Fish Wt	N/A	NI/A		Novt Input Da	ato (Sito)	Notural on	notfoll	
Next Fallow Date (S	ile)	N/A		Next Input Da	ile (Sile)	Natural sp	aliali	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
Movement Records								
<ol> <li>Movement record</li> <li>Date of last inspe</li> <li>Are records comp</li> <li>Are movement re</li> <li>Are records comp</li> <li>Are records comp</li> <li>Are health certific</li> </ol>	ction: plete and corre cords availab plete and corre	ectly entered? le for dead fis ectly entered?	h and waste?				30/05/2018	Y N/A N/A
Transport Records  1. Are any movement lf yes, is there a system.	nts carried ou		•	•	_			
Mortality Records 1. Mortality records 2. How are mortalitie	es disposed o	f?			Other (detail	)		Y
If other detail: 3. Mortality records (4. Recent mortality (	•	correctly ente		l us substitut				Y
5. Evidence of recer If yes, facility nos/no	nt increased/a	typical mortal						N
6. Any other peaks i If yes, detail:	n mortality du	ring period ch	ecked?					N
7. Have increased (If yes, detail action: 8. Have 'mortality ev			·		enter on morts	ality events	sheet	N/A
o. Have mortality ev	Citto Decirite	ported to 1 111	. Il lio, add W	ii ti dase and e	on the little	anty CVCIIIS	J. ICCL.	1 1// (

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

Results of Surveillance

3. Any significant results?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

30/5/18- 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0426 Site No: SS0605 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Case No:	2019-0426			Date of visit:	06/08/2019			
Site No:	SS0605	1	Inspector:					
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Report Summary Case Type	Date	Inch	and Image					
Case Type	07/10/2019	Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							
	<del>                                     </del>							
			<b>—</b>					





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

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0447
 Date of Visit
 06/08/2019

 Site No
 SS0605
 Site Name
 Houss

 Inspector
 Case No
 20190426

### 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 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.



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 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0427			Date of visit: 06/08/2019
Time spent on site:	) minutes	Main Inspec	tor:
Site No: SS0606 Business No: SB0447	Site Name: Business Name:	Stream Sound SI Seafarms Ltd	
Case Types: 1 ECI 2	2 3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:	

### **Additional Case Information:**

Mix of continuous rope and droppers. Good spat settlement on top 1.5m, but a lot of sea squirts at the bottoms of the loops. Better settlement on droppers. Squirts tend to die off over winter and mussels can spread along the ropes. Toxin test samples taken weekly from area.

FHI 059, Version 12			Issu	ied by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0427	]	Site No:	SS0606	3			
Date of Visit:		06/08/2019			Inspector(s):			]
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	}
Site Details								
Total No facilities		6 lines	Facilities sto	cked	6 lines	No facilitie	es inspected	6 lines
Species	MED							
Age group	1 year old							
No Fish	6 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	oatfall	
Recent (last 4 wks)	disease nrohl	ems?		N	Any escapes	e (since last	visit)?	N/A
If yes, detail:	disease probin	ciliə:			Arry escapes	s (since last	VISIL):	IW/A
Movement Records	5							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspe							30/05/2018	
3. Are records comp		ectly entered	?					Y
4. Are movement re	cords availab	e 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	luctions (outv	vith GB) availa	able?				N/A
Transport Records								
Are any movement		t by (or on be	half) of the bu	usiness (not us	sing a STB)?			
If yes, is there a sys				•	_			
Mortality Records								
Mortality records	available for i	nspection?						Y
2. How are mortalities		•			Other (detail	)		
	empty shells				<b>L</b> (	,		
3. Mortality records			ered?					Y
4. Recent mortality (	•		No observed	mortality				
5. Evidence of recer	nt increased/a	tvpical morta						N
If yes, facility nos/no				/reason:				
			. 10					
<ol><li>6. Any other peaks i If yes, detail:</li></ol>	n mortality du	ring period ch	necked?					N
7. Have increased (	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 o	enter on mort	ality events	sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)?  If you detail:		
If yes, detail: If other, detail:		
Medicines records available for inspec	ction?	
Are records complete and correctly er		
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 insper	ection?	Y
•	rtality removal, recording and safe disposal been	considered?
3. Has the manner and period in which the	he APB will notify Scottish Ministers or veterinary	y professional of any
increased (unexplained) mortality at the	site been included?	Y
	e event that the presence or suspicion of the pres	sence of a listed disease Y
	when that will be notified to Scottish Ministers?	
•	animals being stocked on the farm site been cove	ered (equal or higher Y
health status, certification if required)?		
6. Have the husbandry and hiosecurity m	neasures implemented between each epidemiolo	ogical unit to minimise
•	novement of staff, visitors, equipment, live or de	
·	the measures in place to maintain the physical c	
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 be	een carried out by, or on behalf of, the business?	N

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

30/5/18- 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0427 Site No: SS0606 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Case No:	2019-0427			Date of visit:	06/08/2019			
Site No:	SS0606			Inspector:				
Results Summary	Freq.				te of Notificat			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							





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

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0447
 DATE OF VISIT
 06/08/2019

 SITE NO
 SS0606
 SITE NAME
 Stream Sound

 INSPECTOR
 CASE NO
 20190427

## 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 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.



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 12		Issued by: FHI	Date of i	ssue: 08/10/2018
Case No: 2019-0428			Date of visit:	06/08/2019
Time spent on site:	) minutes	Main	Inspector:	
Site No: SS0699 Business No: SB0396	Site Name: Business Name:	Pynch Dyke Olnafirth Sea Farm Lt	d	
Case Types: 1 ECI 2	3	4 5	6	
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 comple	ted
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 addition	onal information/clinical sco onal information/clinical sco onal information/clinical sco	ore sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:		

### **Additional Case Information:**

Have recently stripped two of the lines and redeployed the stock. Continous rope used, good spat settlement at top, but a lot of sea squirts at the bottoms of the loops. Squirts tend to die off over winter and mussels can spread along the ropes. Samples taken weekly from area for toxin testing.

FHI 059, Version 12	Issu	ed by: FHI			Date of issu	ie: 08/10/2018
Case No: 2019-0428	Site No:	SS0699				
Date of Visit:	06/08/2019		Inspector(s):			]
Registration/Authorisation Det 1. Business/site details summary 2. Changes made to details?		ative?			Y N	}
Site Details Total No facilities Species MED Age group 1 year old No Fish 2 lines	4 lines Facilities sto	cked	2 lines	No facilitie	es inspected	4 lines
Mean Fish Wt	NI/A	Newflower	to (Sito)	National and	o#ell	
Next Fallow Date (Site)	N/A	Next Input Da	ite (Site)	Natural sp	Datiali	
Recent (last 4 wks) disease prob	olems?	N	Any escapes	(since last	visit)?	N/A
Movement Records						
<ol> <li>Movement records available for</li> <li>Date of last inspection:</li> <li>Are records complete and cor</li> <li>Are movement records availal</li> <li>Are records complete and cor</li> <li>Are health certificates for intro</li> </ol>	rectly entered? ble for dead fish and waste? rectly entered?				30/05/2018	Y N/A N/A
Transport Records  1. Are any movements carried or If yes, is there a system in place		•	_			
Mortality Records  1. Mortality records available for  2. How are mortalities disposed	of?		Other (detail	)		Y
If other detail: empty shell 3. Mortality records complete and 4. Recent mortality (last 4 wks):	lls to seabed d correctly entered? No observed	l mortality				Y
5. Evidence of recent increased/ If yes, facility nos/no mortality pe	atypical mortalities?					N
6. Any other peaks in mortality d	uring period checked?					N
7. Have increased (unexplained) If yes, detail action: 8. Have 'mortality events' been re			enter on morta	ality events	sheet.	N/A

<ol> <li>Has any animal health surveillance been carried out by, or on behalf of, the bu</li> </ol>
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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:

30/5/18- 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0428 Site No: SS0699 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 10 excursion 0 2 10 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 2 Frequency of movements off outwith MSS Management 0 0 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Case No:	2019-0428	]		Date of visit:	06/08/2019	]		
Site No:	SS0699	]	Inspector: ALW					
Results Summary	Freq.			Da	te of Notifica			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
					<u> </u>			
					<b>.</b>			
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			-					
					<u> </u>			
					<u> </u>			
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	+	<del>                                     </del>	+		<del>                                     </del>			<del>                                     </del>
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	_	_		_				•
Report Summary			Т	1				
Report Summary Case Type	Date	Insp	2 <sup>nd</sup> Insp	1				
ECI	07/10/2019		2 11130	1				
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	1	1	1					





Olnafirth Sea Farm Ltd Lower Voe Shetland

ZE2 9PX

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0396
 Date of Visit
 06/08/2019

 Site No
 SS0699
 Site Name
 Pynch Dyke

 Inspector
 Case No
 20190428

## 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 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.



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 12		Issued by: FHI	Date of issue: 08/10/2018			
Case No: 2019-0429			Date of visit: 06/08/2019			
Time spent on site:	) minutes	Main In	spector:			
Site No: SS0803 Business No: SB0430	Site Name: Business Name:	Clifts Ronas Voe Blueshell Mussels Ltd				
Case Types: 1 ECI 2	3	4 5	6			
Water Temp (°C): 12.5	Thermometer No:	T274	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 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 reason below:						

## **Additional Case Information:**

Mix of 1 and 2 year old stock on site. Quite a lot of seaweed and squirts on the lines. Weekly testing in area for toxins.

FHI 059, Version 12	2 Issued by: FHI			ed by: FHI	Date of issue:			ue: 08/10/2018
Case No:	2019-0429		Site No:	SS0803	3			
Date of Visit:		06/08/2019	<b>3</b>		Inspector(s):	:		]
Registration/Authornamental 1. Business/site deta 2. Changes made to	ails summary		site representa	ative?			Y N	3
Site Details								
Total No facilities		6 lines	Facilities sto	cked	5 lines	No facilitie	es inspected	6 lines
Species	MED							
Age group	1 & 2 year							
No Fish	5 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ate (Site)	Natural sp	oatfall	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	s (since last	visit)?	N/A
If yes, detail:	disease probi	ciliə:			Arry escapes	3 (Silice last	VISIL):	IN/A
Movement Records	5							
1. Movement record	s available fo	r inspection?						Y
2. Date of last inspe							31/05/2017	
3. Are records comp		ectly entered	?					Y
4. Are movement re	cords availab	e 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	luctions (outv	vith GB) availa	able?				N/A
Transport Records								
Are any movement		t by (or on be	half) of the bu	usiness (not us	ing a STB)?			
If yes, is there a sys				•	_			
Mortality Records								
Mortality records	available for in	nspection?						Y
2. How are mortalities		•			Other (detail	1)		
	empty shells				<b>-</b>	,		
3. Mortality records			ered?					Y
4. Recent mortality (	•		No observed	mortality				
5. Evidence of recer	nt increased/a	tvpical morta						N
If yes, facility nos/no				/reason:				
			. 10					
<ol><li>6. Any other peaks i If yes, detail:</li></ol>	n mortality du	ring period cr	necked?					N
7. Have increased (	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 FHI	? If no, add N	IRT case and e	enter on mort	ality events	sheet.	N/A

Records checked between:

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

Results of Surveillance

2. If yes, are results available for inspection?

31/5/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0429 Site No: SS0803 Date of Visit 06/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 3 6 3 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Case No:	2019-0429	Date of visit: 06/08/2019						
Site No:	SS0803	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp		Insp	Writing	Insp	2 <sup>nd</sup> Insp
	-							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							





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

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 SITE NO SS0803 INSPECTOR

DATE OF VISIT

SITE NAME

CASE NO.

06/08/2019 Clifts Ronas Voe

**CASE No** 20190429

## 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 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.



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 12		Issued by: FHI	Date of i	issue: 08/10/2018
Case No: 2019-0430			Date of visit:	08/08/2019
Time spent on site:	minutes	Mair	n Inspector:	
Site No: SS0816 Business No: SB0430	Site Name: Business Name:	Crying Taing Blueshell Mussels Ltd	d	
Case Types: 1 ECI 2	3	4 5	6	
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 comple	ted
Observations:	Region: SH	Water type:	CoGP MA	
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additi	onal information/clinical scoonal information/clinical scoonal information/clinical sco	ore sheet.
UNI/REG only - if unable to carry	out intended visit deta	ail reason below:		

Site used for spat collection to restock on growing sites. Good spatfall this year. Quite a lot of sea squirts towards the bottom of the droppers.

FHI 059, Version 12			Issu	ued by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0430		Site No:	SS0816				
Date of Visit:		08/08/2019	,		Inspector(s)	:		]
Registration/Authornal Business/site detail 2. Changes made to	ails summary		ite representa	ative?			Y	}
Site Details Total No facilities Species	MED	5 lines	Facilities sto	ocked	5 lines	No facilitie	es inspected	5 lines
Age group No Fish	1 year 5 lines							
Mean Fish Wt	N/A				(21)			
Next Fallow Date (S	ite)	N/A		Next Input Da	ite (Site)	Natural s	patfall	
Recent (last 4 wks) If yes, detail:	disease probl	ems?		N	Any escapes	s (since last	visit)?	N/A
Movement Records 1. Movement records 2. Date of last inspe 3. Are records comp 4. Are movement re 5. Are records comp 6. Are health certific	ls available for ction: blete and corre cords available blete and corre	ectly entered? le for dead fis ectly entered?	? sh and waste? ?				30/08/2017	Y N/A N/A N/A
Transport Records  1. Are any movement of yes, is there a sys	nts carried out		•	•	_			
Mortality Records  1. Mortality records  2. How are mortalitie  If other detail:  3. Mortality records  4. Recent mortality	es disposed of empty shells complete and	f? s to seabed			Other (detail	l)		Y
<ol> <li>Recent mortality (</li> <li>Evidence of recer</li> </ol>	•	typical morta	No observed	I mortality				N
If yes, facility nos/no		• •		/reason:				
6. Any other peaks i	n mortality du	ring period ch	necked?					N
If yes, detail: 7. Have increased (				o vet or FHI?				N/A
If yes, detail action: 8. Have 'mortality ev	ents' been re	ported to FHI	? If no. add N	/IRT case and e	enter on mort	ality events	sheet.	N/A

If no. detail:

- 1. Has any animal health surveillance been carried out by, or on behalf of, the business?
- 2. If yes, are results available for inspection?
- 3. Any significant results?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

30/8/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0430 Site No: SS0816 Date of Visit 08/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 5 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 3 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0430			Date of visit:	08/08/2019			
Site No:	SS0816			Inspector:				
Results Summary	Freq.				te of Notificat			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
	1							
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
ECI	07/10/2019							
			<del></del>					





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

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 Business No
 SB0430
 Date of Visit
 08/08/2019

 Site No
 SS0816
 Site Name
 Crying Taing

 Inspector
 Case No
 20190430

## 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 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.



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>

Date: 07/10/2019

FHI 059, Version 12		Issued by: FHI	Da	ate of issue: 08/10/2018		
Case No: 2019-0431			Date of vi	sit: 08/08/2019		
Time spent on site:	) minutes	Ma	ain Inspector:			
Site No: SS0572 Business No: SB0430	Site Name: Business Name:	Lea Cro Blueshell Mussels L	_td			
Case Types: 1 ECI 2	3	4 5	6	$\supset$		
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 d	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	itional information/clini itional information/clini itional information/clini	cal score sheet.		
UNI/REG only - if unable to carry out intended visit detail reason below:						

Site used for spat collection to restock on growing sites. Good spatfall this year.

FHI 059, Version 12			Issu	ed by: FHI			Date of issu	e: 08/10/2018
Case No:	2019-0431		Site No:	SS0572				
Date of Visit:		08/08/2019	]		Inspector(s):			]
Registration/Autho 1. Business/site deta 2. Changes made to	ails summary		ite representa	ative?			Y Y	}
Site Details Total No facilities Species Age group	MED 1 year	/ lines	Facilities sto	cked	7 lines	No facilitie	es inspected	/ lines
No Fish	7 lines							
Mean Fish Wt	N/A							
Next Fallow Date (S	ite)	N/A		Next Input Da	ite (Site)	Natural sp	patfall	
Recent (last 4 wks) (	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
Movement Records	5							
Movement record     Date of last inspectable.     Are records complete. Are movement records.	ction: lete and corre cords availabl	ectly entered? le for dead fis	h and waste?				30/08/2017	Y Y N/A
<ol><li>Are records comp</li><li>Are health certific</li></ol>		•		able?				N/A N/A
Transport Records 1. Are any movemer If yes, is there a syst	nts carried ou	t by (or on be	half) of the bu	ısiness (not us	_			
Mortality Records								
<ol> <li>Mortality records a</li> <li>How are mortalities</li> </ol>		•			Other (detail	)		Y
If other detail:	empty shells				o inter (uotan	/		
3. Mortality records of	•	correctly enter						Y
<ol> <li>Recent mortality (</li> <li>Evidence of recer</li> </ol>		tynical mortal	No observed	mortality				N
If yes, facility nos/no		••		/reason:				
6. Any other peaks in If yes, detail:	n mortality du	ring period ch	necked?					N
7. Have increased (ulif yes, detail action:			·					N/A
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add M	IRT case and e	enter on morta	ality events:	sheet.	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
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 remov	al, recording and safe disposal be	een considered?
3. Has the manner and period in which the APB will	notify Scottish Ministers or veterin	ary professional of any
increased (unexplained) mortality at the site been in	ncluded?	Y
4. Has the action that will be taken in the event that	the presence or suspicion of the p	resence of a listed disease Y
is detected been included and $how$ and $when$ that $\forall$	vill be notified to Scottish Ministers	?
5. Has the health status of aquaculture animals bein	ig stocked on the farm site been o	overed (equal or higher Y
health status, certification if required)?		
6. Have the husbandry and biosecurity measures im	inlemented between each enidem	iological unit to minimise
transmission of disease been covered (movement o		
7. Is documentation available regarding the measure		
aquaculture animals held on site?	p	
8. Have the biosecurity procedures been adequately	/ implemented on site?	Y
If no, detail:		
Results of Surveillance		
Has any animal health surveillance been carried of	out by, or on behalf of, the busines	ss? N

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

30/8/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0431 Site No: SS0572 Date of Visit 08/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0431	Date of visit: 08/08/2019							
Site No:	SS0572	1	Inspector:						
Results Summary	Freq.			Da	te of Notificat	tion			
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
Report Summary									
Report Summary Case Type	Date	Inch	and In-						
Case Type	07/10/2019	Insp	2 <sup>nd</sup> Insp						
ECI	07/10/2019								
			<del></del>						
	<del>                                     </del>								





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

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 SITE NO SS0572 INSPECTOR 

 DATE OF VISIT
 08/08/2019

 SITE NAME
 Lea Cro

 CASE NO
 20190431

### 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 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: 07/10/2019



Fish Health Inspector

Signed:

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 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0432			Date of visit: 08/08/2019
Time spent on site:	minutes	Main Ir	nspector:
Site No: SS0815 Business No: SB0430	Site Name: Business Name:	Stany Pund Blueshell Mussels Ltd	
Case Types: 1 ECI 2	3	4 5	6
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed
Observations:	Region: SH	Water type: S	CoGP MA
Dead/weak/abnormally behaving to Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	•	N If yes, see addition	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 deta	il reason below:	

Site used for spat collection to restock on growing sites. Good spatfall this year.

FHI 059, Version 12			Issu	ied by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0432		Site No:	SS0815				
Date of Visit:		08/08/2019	ð		Inspector(s):			]
Registration/Autho	risation Deta	ails						
1. Business/site deta	•	checked by s	site representa	ative?			Y	
2. Changes made to	details?						Y	]
Site Details								
Total No facilities		4 lines	Facilities sto	cked	4 lines	No facilitie	es inspected	4 lines
Species	MED							
Age group	1 year							
No Fish	4 lines							
Mean Fish Wt	N/A							
Next Fallow Date (Si	ite)	N/A		Next Input Da	ate (Site)	Natural sp	natfall	
TVCXCT GIIOTI DGIO (C.	ic,	INIT		Next Input Du	Tie (Oile)	raterar op	Jatian	
Recent (last 4 wks) of	disease probl	ems?		N	Any escapes	(since last	visit)?	N/A
If yes, detail:						(Cara		
Movement Records								
		r inepaction?						Y
<ol> <li>Movement records</li> <li>Date of last inspect</li> </ol>		Inspection:					30/08/2017	
3. Are records comp		actly entered	2				30/00/2017	Y
4. Are movement red				,				N/A
5. Are records comp								N/A
6. Are health certification		•		able?				N/A
Transport Records								
1. Are any movemen		t by (or on be	half) of the bu	usiness (not usi	ing a STB)?			
If yes, is there a syst				•	_			
Mortality Records								
1. Mortality records a	available for it	nspection?						Y
2. How are mortalitie	s disposed o	f?			Other (detail)	)		
If other detail:	empty shells	s to seabed						
3. Mortality records of	complete and	correctly ent	ered?					Y
4. Recent mortality (I	last 4 wks):		No observed	I mortality				
5. Evidence of recen	t increased/a	typical morta	lities?					N
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	/reason:				
	. 12. 1		. 10					N
6. Any other peaks in If yes, detail:	n mortality du	ring period cr	necked?					N
7. Have increased (u	inexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:	похранточ,	Tiertain.ioo ii I	Cit repends	7 401 01 1 1111				
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, add N	IRT case and e	enter on morta	lity events	sheet.	N/A

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

30/8/17 - 8/8/19

Date of issue: 08/10/2018 FHI 059, Version 12 Issued by: FHI Case Number: 2019-0432 Site No: SS0815 Date of Visit 08/08/2019 Inspector: Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Yes No 25 Susceptible to Bonamia ostrea (OED) 0 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 Live shellfish movements 0 1-2 >3 Frequency of movements on from equivalent MS O 10 Movements on Frequency of movements on from equivalent zone or compartment including third country 0 10 20 n Number of suppliers 0 5 10 0 Movements off Frequency of movements off within MSS Management 0 1 2 0 Frequency of movements off outwith MSS Management 0 6 3 6 Areas 0 Number of destinations Secure Unsecure Management (effluent (no effluent treatment) practices None 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 0 2 6 0 MSS management area Depuration of stock from sites outwith MSS management 0 8 0 area Number of sites 2 or 3 > 4 **Biosecurity** Contacts with other Sites operating from single shorebase Sites sharing staff and equipment sites Yes No Disinfection of equipment between sites, use of footbaths etc 0

Total Risk

Case No:	2019-0432	Date of visit: 08/08/2019						
Site No:	SS0815	1		Inspector:		ı		
Results Summary	Freq.			Da	te of Notificat	tion		
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summany								
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Case Type	Date 07/10/2019	Insp	2 <sup>nd</sup> Insp					
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Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 SITE NO SS0815 INSPECTOR DATE OF VISIT SITE NAME CASE NO 08/08/2019 Stany Pund 20190432

## 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 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.

Fish Health Inspector

Signed:

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>

Date: 07/10/2019

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/20	)18				
Case No: 2019-0434			Date of visit: 06/08/2019					
Time spent on site:	) minutes	Main	Inspector:					
Site No: SS0928 Business No: SB0430	Site Name: Business Name:	East of Houss Ness Blueshell Mussels Ltd	i	3				
Case Types: 1 ECI 2	2 3	4 5	6					
Water Temp (°C): 12.5	Thermometer No:	T274	FHI 045 completed	j				
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 addition	onal information/clinical score sheet. onal information/clinical score sheet. onal information/clinical score sheet.					
UNI/REG only - if unable to carry	UNI/REG only - if unable to carry out intended visit detail reason below:							

New unregistered site. Olnafirth Sea Farm Ltd originally applied to Shetland Council for the site, but Blueshell Mussels have taken on the site for production. Registration form completed.

Site has two suspended single head lines. Lines went into the water in May/June 2018. Harvested from the site a couple of months ago so lines have been redeployed for spat collection.

FHI 059, Version 12		Issu	ued by: FHI			Date of issu	ue: 08/10/2018
Case No:	2019-0434	Site No:	SS0928				
Date of Visit:	06/08/20	19		Inspector(s):			]
Registration/Authornal 1. Business/site deta 2. Changes made to	ails summary checked by	/ site represent	ative?			N/A N/A	}
Site Details Total No facilities Species	2 lines	Facilities sto	ocked	0 lines	No facilitie	es inspected	2 lines
Age group No Fish							
Mean Fish Wt Next Fallow Date (S	ite) N/A		Next Input Da	ate (Site)	Natural sp	patfall	
Recent (last 4 wks) If yes, detail:	disease problems?		N	Any escapes	s (since last	visit)?	N/A
<ol> <li>Date of last inspe</li> <li>Are records comp</li> <li>Are movement re</li> <li>Are records comp</li> </ol>	s available for inspection	ed? fish and waste? ed?				No previous	y inspection Y N/A N/A N/A
•	nts carried out by (or on tem in place for maintena		•	_			
2. How are mortalities of their detail:	empty shells to seabed complete and correctly e		d mortality	Other (detail	)		Y
5. Evidence of recer	nt increased/atypical mor mortality per facility/no s	talities?					N
	n mortality during period	checked?					N
If yes, detail action:	unexplained) mortalities b						N/A
8. Have 'mortality ev	ents' been reported to Fl	HI? If no, add M	$\prime$ IRT case and $\epsilon$	enter on morta	ality events∄	sheet.	N/A

FHI 059, Version 12	Issu	ed by: FHI	Date of issue: 08/10/2018			
1. Recent treatments (	last 4 wks)?					
If yes, detail:						
If other, detail:						
	available for inspection?					
· ·	te and correctly entered?					
4. Are fish in a withdra	•					
5. If yes, what treatment	nt(s)?					
If other, detail:						
6. Are medicines store	ed appropriately?					
<b>Biosecurity Records</b>						
	available for inspection?		Y			
2. Has the manner and	d frequency of mortality removal, reco	rding and safe disposal been	considered?			
3. Has the manner and	d period in which the APB will notify So	cottish Ministers or veterinary	professional of any			
increased (unexplaine	ed) mortality at the site been included?	•	Y			
	will be taken in the event that the pres		ence of a listed disease			
is detected been include	ded and <i>how</i> and <i>when</i> that will be no	otified 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)?						
nealth status, certificat	non ii requirea)?					
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	y procedures been adequately implem	ented on site?	Y			
If no, detail:						
Results of Surveillan	ice					

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

N/A

Total Risk

Case No:	2019-0434	Date of visit: 06/08/2019						
Site No:	SS0928	Inspector:						
Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
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Report Summary								
Report Summary Case Type	Date	Insp	2 <sup>nd</sup> Insp					
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Blueshell Mussels Ltd c/o Blueshell Mussels Ltd Sparl, Brae Shetland ZE2 9QJ

# FISH HEALTH INSPECTORATE VISIT REPORT

### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0430 SITE NO SS0928

INSPECTOR

**DATE OF VISIT** 06/08/2019

SITE NAME East of Houss Ness

**CASE No** 20190434

## 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.



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 12	Issued by: FHI	Date of issue: 08/10/2018			
Case No: 2019-0435		Date of visit: 16/08/2019			
Time spent on site:		Main Inspector:			
0.000		West of Scotland West of Scotland			
Case Types: 1 DIS 2	3 4	5 6			
Water Temp (°C): There	rmometer No:	FHI 045 completed			
Observations: Region	ion: ST Water type:	B CoGP MA			
Dead/weak/abnormally behaving fish present?  Clinical signs of disease observed?  Gross pathology observed?  Diagnostic samples taken?  If yes, see additional information/clinical score sheet.  If yes, see additional information/clinical score sheet.					
UNI/REG only - if unable to carry out intended visit detail reason below:					

Accompanied by

grow aquaculture facility in England which is under movement restrictions due to the possible presence of infectious hypodermal and haematopoietic necrosis virus (IHHNV). At the time of the inspection there was no live white leg shrimp in the holding facilities as the experimental work had been completed.

The two consignments were used as part of a feed trial funded by Skretting. The first consignment was received on the 8th November 2018 and consisted of 80 juveniles at an estimated 5-6g, the second consignment was received in June 2019 and consisted of 60 juveniles also at 5-6g. No movement records were maintained but there was emails from Flo Grow confirming the date of dispatch.

The animals were transported to the facilities using a special delivery service, the shrimp were kept in oxygenated bags inside polyboxes. It was reported that the transfer went well with no issues. The shrimp were removed from the transport bags and placed into the system, transport water was discharged into the sink without being disinfected. The transport bags and boxes were then disposed of into the general waste.

The laboratory facilities at the University are accessed through a locked, code entry door, with access only given to certain staff and students conducting experimental work. The lab facilities consists of five main rooms, one to create artificial sea water and to undertake some experimental work, the second also to conduct experimental work and for disinfecting of equipment, the remaining three are locked separate bio-secure areas for conducting specific experiments, one of these rooms was where the white- leg shrimp were held.

The room consists of six 30l tanks operating on two separate recirculating systems and included a mesh filter, protein skimmer and also ultra violet water filtration. There are no drains in the room and waste water is taken out of the room by bucket and disposed of into a sink for tertiary treatment. Water was not disinfected prior to discharge however, this will be completed going forward. Sludge from the filtration system was not disinfected either and was also disposed of in the sink.

When shrimp were required to be transferred to the experimental area they were transferred using an area specific bucket. Dead animals were placed in zip-lock bags and stored in a freezer, these were then transferred to biohazard bags and placed in incineration bins and disposed of as clinical waste.

The tank area was only accessed by the PhD student conducting the experiment and as such area specific PPE was worn. It was recommended that hand sanitisers, footbaths or separate disinfectable shoes should be used when entering the main laboratory area.

2. Date of last inspection:  3. Are records complete and correctly entered?  4. Are movement records available for dead fish and waste?  5. Are records complete and correctly entered?  6. Are health certificates for introductions (outwith GB) available?  Transport Records  1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  If yes, is there a system in place for maintenance of transportation records?  Mortality Records  1. Mortality records available for inspection?  2. How are mortalities disposed of?  If other detail:  3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A  If yes, detail:	FHI 059, Version 12		Issu	ied by: FHI			Date of issu	ue: 08/10/2018
Registration/Authorisation Details  1. Business/site details summary checked by site representative?  2. Changes made to details?  N/A  Site Details  Total No facilities  Species  Age group  No Fish  Mean Fish Wt  Next Fallow Date (Site)  N/A  Recent (last 4 wks) disease problems?  N/A  No worment Records  1. Movement records available for inspection?  2. Date of last inspection:  3. Are records complete and correctly entered?  4. Are movement records available for dead fish and waste?  5. Are necords complete and correctly entered?  6. Are health certificates for introductions (outwith GB) available?  Transport Records  1. Movament records available for maintenance of transportation records?  Mortality Records  1. Mortality records available for inspection?  N/A  Mortality records available for inspection?  N/A  Mortality records available for maintenance of transportation records?  Mortality records complete and correctly entered?  1. Mortality records available for maintenance of transportation records?  Mortality records complete and correctly entered?  1. Mortality records complete and correctly entered?  2. How are mortalities disposed of?  If other detail:  3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:	Case No:	2019-0435	Site No:	SS0929				
1. Business/site details summary checked by site representative? 2. Changes made to details?  Site Details  Total No facilities Species Age group No Fish Mean Fish Wt Next Fallow Date (Site) N/A  Recent (last 4 wks) disease problems? No Many escapes (since last visit)? N/A  If yes, detail:  Movement Records 1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are necords complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Movement records available for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of? If other detail: 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): 5. Evidence of recent increased/atypical mortalities? If yes, slettler as in mortality during period checked?  N/A  Any of the peaks in mortality during period checked?  N/A  N/A  No facilities inspected N/A  N/A  No facilities inspected N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	Date of Visit:	16/08/2019	,		Inspector(s)	:		]
Total No facilities Species Species Age group No Fish Mean Fish Wt Next Fallow Date (Site) N/A Recent (last 4 wks) disease problems? If yes, detail:    Movement Records   N/A   Next Input Date (Site)   N/A   Recent (last 4 wks) disease problems?   N/A   If yes, detail:   Movement Records   N/A   N/A   Next Input Date (Site)   N/A   N/A   Next Input Date (Site)   N/A   N/A	1. Business/site detail	ils summary checked by s	ite representa	ative?				}
No Fish  Mean Fish Wt  Next Fallow Date (Site)  N/A  Recent (last 4 wks) disease problems?  N Any escapes (since last visit)?  N/A  If yes, detail:	Total No facilities	N/A	Facilities sto	cked	N/A	No facilitie	es inspected	
Next Fallow Date (Site)  N/A  Recent (last 4 wks) disease problems?  N Any escapes (since last visit)?  N/A  Next Input Date (Site)  N/A  Recent (last 4 wks) disease problems?  N Any escapes (since last visit)?  N/A  NAny escapes (since last visit)?  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/								
Movement Records  1. Movement records available for inspection?  2. Date of last inspection:  3. Are records complete and correctly entered?  4. Are movement records available for dead fish and waste?  5. Are records complete and correctly entered?  6. Are records complete and correctly entered?  7. N/A  7. Are movement records available for dead fish and waste?  7. Are records complete and correctly entered?  8. Are records complete and correctly entered?  9. N/A  7. Are records complete and correctly entered?  9. N/A  1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  1. Mortality Records  1. Mortality records  1. Mortality records available for inspection?  2. How are mortalities disposed of?  1. How are mortalities disposed of?  1. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  1. Mortality nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  1. N/A  1. Mortality records complete and correctly entered?  1. N/A  1. Recent mortality (last 4 wks):  1. Are controlled for inspection?  2. Are controlled for inspectio		e) N/A		Next Input Da	ate (Site)	N/A		
1. Movement records available for inspection? 2. Date of last inspection: 3. Are records complete and correctly entered? 4. Are movement records available for dead fish and waste? 5. Are records complete and correctly entered? 6. Are health certificates for introductions (outwith GB) available?  Transport Records 1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  If yes, is there a system in place for maintenance of transportation records?  Mortality Records 1. Mortality records available for inspection? 2. How are mortalities disposed of?  If other detail: 3. Mortality records complete and correctly entered? 4. Recent mortality (last 4 wks): 5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A  If yes, detail:	` _	isease problems?		N	Any escapes	s (since last	visit)?	N/A
1. Are any movements carried out by (or on behalf) of the business (not using a STB)?  If yes, is there a system in place for maintenance of transportation records?  Mortality Records  1. Mortality records available for inspection?  2. How are mortalities disposed of?  If other detail:  3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A  If yes, detail:	<ol> <li>Movement records</li> <li>Date of last inspec</li> <li>Are records complet</li> <li>Are movement rec</li> <li>Are records complet</li> <li>Are records complet</li> <li>Are health certification</li> </ol>	available for inspection? tion: ete and correctly entered? ords available for dead fis ete and correctly entered?	? sh and waste? ?				N/A	N/A N/A N/A N/A N/A
1. Mortality records available for inspection?  2. How are mortalities disposed of?  If other detail:  3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A	1. Are any movement			•	_			
3. Mortality records complete and correctly entered?  4. Recent mortality (last 4 wks):  5. Evidence of recent increased/atypical mortalities?  If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A  If yes, detail:	Mortality records a     How are mortalities	•						N/A
If yes, facility nos/no mortality per facility/no stock per facility/reason:  6. Any other peaks in mortality during period checked?  N/A  If yes, detail:	3. Mortality records c	•	ered?					N/A
If yes, detail:				/reason:				
		mortality during period ch	necked?					N/A
If yes, detail action:	7. Have increased (ull lf yes, detail action:		·		-ter en mort	-lity syento	choot	N/A

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018				
1. Recent treatments (last 4 wks)?						
If yes, detail:						
If other, detail:						
2. Medicines records available for insp						
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 inst	pection?					
Has the manner and frequency of mortality removal, recording and safe disposal been considered?						
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	d 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 epidemic	ological unit to minimise				
transmission of disease been covered	(movement of staff, visitors, equipment, live or o	lead fish etc.)?				
•	g the measures in place to maintain the physical	containment of				
aquaculture animals held on site?						
8. Have the biosecurity procedures bee	en adequately implemented on site?					
If no, detail:						

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

**Results of Surveillance** 

3. Any significant results?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

N/A

Site No: SS0929 Inspector:	Case No:	2019-0435			Date of visit:	16/08/2019			
Results Summary  Freq.  Database Insp Phone Insp Writing Insp 2 <sup>nd</sup> Insp  Insp Insp Insp Insp Insp Insp Insp	Cita Na.								
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### Inspection report

The University of the West of Scotland was Inspected as it had received two consignments of white-leg shrimp from the Flo grow aquaculture facility in England which is under movement restrictions due to the possible presence of infectious hypodermal and haematopoietic necrosis virus (IHHNV). At the time of the inspection there was no live white leg shrimp in the holding facilities as the experimental work had been completed.

The two consignments were used as part of a feed trial funded by Skretting. The first consignment was received on the 8<sup>th</sup> November 2018 and consisted of 80 juveniles at an estimated 5-6g, the second consignment was received in June 2019 and consisted of 60 juveniles also at 5-6g. No movement records were maintained but there was emails from Flo Grow confirming the date of dispatch.

The animals were transported to the facilities using a special delivery service, the shrimp were kept in oxygenated bags inside polyboxes. It was reported that the transfer went well with no issues. The shrimp were removed from the transport bags and placed into the system, transport water was discharged into the sink without being disinfected. The transport bags and boxes were then disposed of into the general waste.

The laboratory facilities at the University are accessed through a locked, code entry door, with access only given to certain staff and students conducting experimental work. The lab facilities consists of five main rooms, one to create artificial sea water and to undertake some experimental work, the second also to conduct experimental work and for disinfecting of equipment, the remaining three are locked separate biosecure areas for conducting specific experiments (photo 1), one of these rooms was where the white- leg shrimp were held.



Photo 1

The room consists of six 30l tanks operating on two separate recirculating systems and included a mesh filter, protein skimmer and also ultra violet water filtration (photo

2). There are no drains in the room and waste water is taken out of the room by bucket and disposed of into a sink for tertiary treatment. Water was not disinfected prior to discharge however, this will be completed going forward. Sludge from the filtration system was not disinfected either and was also disposed of in the sink.



Photo 2

When shrimp were required to be transferred to the experimental area they were transferred using an area specific bucket. Dead animals were placed in zip-lock bags and stored in a freezer, these were then transferred to biohazard bags and placed in incineration bins and disposed of as clinical waste.

The tank area was only accessed by the PhD student conducting the experiment and as such area specific PPE was worn. It was recommended that hand sanitisers, footbaths or separate disinfectable shoes should be used when entering the main laboratory area.

The tanks had not been disinfected at the time of inspection and as such the recirculating system was still in operation. The system is to have Virkon added and will be run for five days at a concentration of 1% to ensure complete disinfection. All other associated equipment had been disinfected with Virkon at 1% for an hour.

There were a number of aquatic animals in the laboratory area for experimental work including:

Palaemon elegans
Crangon crangon
Lymnea stagnalis
Pacifastacus leniusculus (under licence from SNH)

None of these species are susceptible to IHHNv and there was no contact with the white-leg shrimp as all work was carried out separately using area specific equipment. The University is looking to conduct more experimental work with the white-leg shrimp in the future. Registration forms were completed and have been received for processing.

19/8/19





University of the West of Scotland University of the West of Scotland High Street Paisley PA1 2BE

## FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0554 DATE OF VISIT 16/08/2019
SITE NO SS0929 SITE NAME University of the West of Scotland CASE NO 20190435

The site was inspected as it had received white-leg shrimp (*Litopenaeus vannamei*) from a site in England that had tested positive for the presence of infectious hypodermal and haematopoietic necrosis virus (IHHNV).

It was confirmed that no live white-leg shrimp remained on site and the holding facilities were in the process of being disinfected.

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

Signed: Date: 28/08/2019
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 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0441			Date of visit: 21/08/2019
Time spent on site:	lh	Main Ir	nspector:
Site No: SS0898 Business No: SB0542	Site Name: Business Name:	Montrave Great British Prawns Lt	d
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: FI	Water type: B	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		If yes, see addition	nal information/clinical score sheet. nal information/clinical score sheet. nal information/clinical score sheet.
UNI/REG only - if unable to carry			
	Site inspected to confir	m holding facilities have been	removed

### **Additional Case Information:**

The site was inspected to confirm that the fish farming facilities had been removed, no farming equipment was present. The site can be deregistered.

Movement records were signed off on the 22/8/2019 at the Balfron Hatchery site.

FHI 059, Version 12		Issu	ued by: FHI			Date of issu	ue: 08/10/2018
Case No: 2019-0	441	Site No:	SS0898	8			
Date of Visit:	21/08/201	19		Inspector(s	s):		]
Registration/Authorisation  1. Business/site details sum  2. Changes made to details	mary checked by	site represent	ative?			N/A N/A	7
Site Details Total No facilities Species Age group	0	Facilities sto	ocked	N/A	No facilition	es inspected	N/A
No Fish							
Mean Fish Wt	0.3	14	N. d. Immed D	(0)4-)	11/4		
Next Fallow Date (Site)	Site closed	since March	Next Input D	ate (Site)	N/A		
Recent (last 4 wks) disease If yes, detail:	problems?			Any escape	es (since last	visit)?	
Movement Records							
<ol> <li>Movement records availa</li> <li>Date of last inspection:</li> <li>Are records complete and</li> <li>Are movement records availa</li> <li>Are records complete and</li> <li>Are records complete and</li> <li>Are health certificates for</li> </ol>	I correctly entered vailable for dead for dead for the correctly entered	d? fish and waste? d?				21/06/2017	Y N/A N/A N/A
Transport Records							
1. Are any movements carri- If yes, is there a system in p	• •	•	•	_			
Mortality Records	ace for maintena	nice of transpo	Transfer records	<b>,</b> :			
Mortality records available     How are mortalities dispose     If other detail:	sed of? e and correctly en	ntered?					N/A
5. Evidence of recent increa	sed/atypical mort						
If yes, facility nos/no mortali	y per facility/no s	tock per facility	//reason:				
6. Any other peaks in morta If yes, detail:	ity during period o	checked?					
7. Have increased (unexplain	ned) <u>mortalities</u> b	een reported t	o vet or FHI?				
If yes, detail action: 8. Have 'mortality events' be	en reported to FI	II? If no, add N	MRT case and	enter on mor	rtality events	sheet.	

FHI 059, Version 12	Issued by: FHI	Date of issue: 08/10/2018
Recent treatments (last 4 wks)     If yes, detail:     other, detail:	?	
2. Medicines records available for	r inspection?	
3. Are records complete and corre	•	
4. Are fish in a withdrawal period?	?	
5. If yes, what treatment(s)? If other, detail:		
6. Are medicines stored appropria	ately?	
	,	
3. Has the manner and period in	y of mortality removal, recording and safe disposal beo which the APB will notify Scottish Ministers or vetering	
increased (unexplained) mortality	y at the site been included?	
	on in the event that the presence or suspicion of the property and when that will be notified to Scottish Ministers'	
5. Has the health status of aquac nealth status, certification if requi	ulture animals being stocked on the farm site been cored)?	overed (equal or higher
•	curity measures implemented between each epidemic vered (movement of staff, visitors, equipment, live or o	
	arding the measures in place to maintain the physical	
B. Have the biosecurity procedure of no, detail:	es been adequately implemented on site?	
Results of Surveillance		
<ol> <li>Has any animal health surveilla</li> </ol>	ance been carried out by or on behalf of the business	s?

21/6/2017 to 22/8/2019

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

3. Any significant results?

Case No:	2019-0441			Date of visit:	21/08/2019				
Site No:	SS0898	l		Inspector:		ı			
Results Summary	Freq.		Date of Notification  atabase Insp. Phone Insp. Writing Insp. 2 <sup>nd</sup> I						
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp	
	-								
	-								
Report Summary	1								
Report Summary Case Type	Date	Insp	2 <sup>nd</sup> Insp						
REG	26/08/2019	шэр	Z IIISP						
1120	20/00/2010								





Great British Prawns Ltd Farm 1 Claylands Balfron G63 0RR

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

 BUSINESS NO
 SB0542
 DATE OF VISIT
 21/08/2019

 SITE NO
 SS0898
 SITE NAME
 Montrave

 INSPECTOR
 CASE NO
 20190441

The site was inspected as part of the deregistration process. All farming equipment had been removed therefore the site can be deregistered. A separate letter will be issued confirming this change in due course.

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

Signed: Date: 26/08/2019
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 12	Issu	ed by: FHI	Date of issue: 08/10/2018
Case No: 2019-0443			Date of visit: 29/08/2019
Time spent on site:	2.5 hours	Main Inspecto	or:
Site No: FS1314 Business No: FB0568	Site Name: Business Name:	Roslin Institute Hatchery The Roslin Institute	
Case Types: 1 REG	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: CE	Water type: F	CoGP MA
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	•	If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.
UNI/REG only - if unable to carr	ry out intended visit detail rea	son below:	

### **Additional Case Information:**

Accompanied by

Site to be de-registered as it being developed into a shellfish holding site to be registered as a new site under a Shellfish NCB. Two new fish holding sites are being put in place at Roslin Institute.

Case No:	2019-0443			Date of visit:	29/08/2019			
Site No:	FS1314			Inspector:				
Results Summary	Freq.		Date of Notification					
		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
REG	10/09/2019							

FHI 059, Version 12		Issued by: FHI	Date of issue: 08/10/2018
Case No: 2019-0445			Date of visit: 22/08/2019
Time spent on site:	5h	Main Inspect	tor:
Site No: SS0922 Business No: SB0542	Site Name: Business Name:	Balfron Hatchery Great British Prawns Ltd	
Case Types: 1 DIS 2	2 3	4 5	6
Water Temp (°C):	Thermometer No:		FHI 045 completed
Observations:	Region: CE	Water type: B	CoGP MA
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?		If yes, see additional info	ormation/clinical score sheet. ormation/clinical score sheet. ormation/clinical score sheet.
UNI/REG only - if unable to carry	out intended visit deta	il reason below:	

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

Site inspected as fallow and disinfected following confirmation of IHHNv in the Balfron Production Unit (SS0923) next door..

All facilities had been disinfected, this was completed 20/8/19. Stocks were culled out on 15/8/19 (148 broodstock up to 75g). Stock was put into ice slurry then placed into a strong chlorine bath then transferred into a sealed IBC currently awaiting disposal as category 2 waste.

All facilities had been disinfected including pipework, recirculating system and tanks using chlorine at 500ppm. Concentration was tested throughout the process to ensure disinfection was satisfactory. Following chlorine, Virasure was then used at a 1 in 50 concentration.

Site is to be fallow for a month then another disinfection will be completed. Any new stock will be held in a separate import facility as the Scottish Ocean Institute with PCR testing at Stirling. Application for authorisation will be submitted in due course.

FHI 059, Version 12			Issu	ıed by: FHI			Date of issu	ie: 08/10/2	2018
Case No:	2019-0445		Site No:	SS0922					
Date of Visit:		22/08/2019	,		Inspector(s):			]	
Registration/Autho  1. Business/site deta  2. Changes made to	ails summary		ite representa	ative?			Y N	}	
Site Details Total No facilities Species		10	Facilities sto	ocked	0	No facilitie	es inspected	10	
Age group No Fish									
Mean Fish Wt Next Fallow Date (Si	íte)	site fallow si	nce 15/8/19	Next Input Da	ate (Site)	potentially	October 201	9	
Recent (last 4 wks) of lf yes, detail:	disease proble	ems?		N	Any escapes	(since last	visit)?	N	
Movement Records  1. Movement records  2. Date of last inspect  3. Are records comp  4. Are movement records  5. Are records comp  6. Are health certifications	s available for ction: lete and corre cords availabl lete and corre	ectly entered? le for dead fis ectly entered?	? sh and waste? ?				N/A		N/A N/A N/A N/A
Transport Records  1. Are any movement lf yes, is there a syst	nts carried out		•	•	_				
Mortality Records 1. Mortality records a 2. How are mortalitie If other detail: 3. Mortality records a 4. Recent mortality (I	es disposed of complete and	f?	ered?						
5. Evidence of recen If yes, facility nos/no		• •		/reason:					
6. Any other peaks ir If yes, detail:									
7. Have increased (ull f yes, detail action: 8. Have 'mortality ev			·		enter on morta	ality events :	sheet		

FHI 059, Version 12	Issue	ed by: FHI	Date of issue	e: 08/10/2018
Recent treatments (las If yes, detail:	st 4 wks)?			
If other, detail:	_			
2. Medicines records ava	•			
3. Are records complete	•			
4. Are fish in a withdrawa	•			
5. If yes, what treatment(	s)?			
If other, detail:  6. Are medicines stored a	annronriately?			
	appropriately:			
Biosecurity Records	-: - -		,	
Biosecurity records available the manner and free the manner	allable for inspection <i>?</i> requency of mortality removal, record	ding and cafe disposal boon	oonsidered?	
	eriod in which the APB will notify Sc			
-	mortality at the site been included?	August Willingtons of Voterinary	professional of any	
, ,	j			
	l be taken in the event that the presed and <i>how</i> and <i>when</i> that will be not		ence of a listed disease	
5. Has the health status of	of aquaculture animals being stocke	d on the farm site been cover	red (equal or higher	
health status, certification	n if required)?			
•	nd biosecurity measures implemente	•		
	been covered (movement of staff, vis		· · ·	
aquaculture animals held	lable regarding the measures in plac I on site?	e to maintain the physical co	mainment of	
•	rocedures been adequately impleme	ented on site?		
If no, detail:				

1. Has any animal health surveillance been carried out by, or on behalf of, the business?

**Results of Surveillance** 

3. Any significant results?

2. If yes, are results available for inspection?

If yes, detail (if not detailed under recent disease problems).

Records checked between:

N/A

		_				_		
Case No:	2019-0445			Date of visit:	22/08/2019			
Site No:	SS0922			Inonostori	_			
Site No.	330922			Inspector:				
Results Summary	Freq.			Dat	te of Notifica	tion		
,		Database	Insp	Phone	Insp	Writing	Insp	2 <sup>nd</sup> Insp
						-		2 11100
			Ì					
Report Summary								
Case Type	Date	Insp	2 <sup>nd</sup> Insp					
DIS	28/08/2019							





Great British Prawns Ltd Farm 1 Claylands Balfron G63 0RR

# FISH HEALTH INSPECTORATE VISIT REPORT

#### SUMMARY FOR INFORMATION OF SITE OPERATOR

**BUSINESS No SB0542** SITE NO SS0922 INSPECTOR

SITE NAME

**DATE OF VISIT** 22/08/2019 **Balfron Hatchery** 

CASE NO 20190445

The site was inspected to confirm that it was fallow. It was confirmed that no live aguaculture animals were on site and the production facilities had been cleaned and disinfected to an appropriate standard.

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: 28/08/2019

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at www.gov.scot/Topics/marine/Fish-Shellfish/FHI/charter