FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020				
Case No: 2021-0027			Date of visit: 12/03/2021				
Time spent on site:	hr	Main Inspect	or:				
Site No: SS0354 Business No: SB0525	Site Name: Business Name:	Kyle of Tongue Oysters Kyle of Tongue Oysters Ltd					
Case Types: 1 MOV	2 3	4 5	6				
Water Temp (°C):	Thermometer No:		FHI 045 completed				
Observations:	Region: HI	Water type: S	CoGP MA:				
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N If yes, see additional info	rmation/clinical score sheet. rmation/clinical score sheet. rmation/clinical score sheet.				
UNI/REG only - if unable to carry out intended visit detail reason below:							

Certificate MS/2021/0002 issued for 22 pallets (40 bags/pallet, ~220,000 shells, 17,600kg) of CGI to France. Bags inspected out at site and at place of loading. Bags heavily fouled with seaweed but no hitchhiker species noted.

FHI 059, Version 13		_	Issu	ued by: FHI	_		Date of issue	e: 12/05/2020
Case No:	2021-0027		Site No:	SS0354				
Date of Visit:		12/03/2021]		Inspector(s):			
Registration/Autho	risation Deta	ails						
1. Business/site deta			site represent	ative?			Y	1
2. Changes made to	•	,	,				Υ	
O'the Destable (for also I		l. (II	· .					
Site Details (includ Total No facilities	e cleaner fis	15000		aakad	~7500	No focilitie	a inapported	15000
Species	001		Facilities sto		~7500	No racilille	es inspected	15000
Age group	CGI	CGI	CGI	OED				
No Fish	2018	2019	2020	~2013				
Mean Fish Wt	2,000,000	1,600,000	1,600,000	40 bags				
	80g	25g Never fallow	12.5g	~50g	ota (Cita)	A == #1 0004		
Next Fallow Date (S	,		/	Next Input Da	• ' '	April 2021		N.I
Recent (last 4 wks) of the second (last 4 wks) o	disease probl	ems?		IN	Any escapes	(Since last	VISIL) ?	N
 4. Are movement re 5. Are records comp 6. Are health certific Transport Records 1. Are any movement If yes, is there a sys 	olete and corr ates for introd ats carried ou	ectly entered' ductions (outv	? vith GB) avail chalf) of the b	able? usiness (not us	_			N/A N/A Y
Mortality Records 1. Mortality records	ovojloblo for i	nanaction?					'	N/A
2. How are mortalities		•			Other (detail)			IN/A
If other detail:			Incon Monto	Transfor Cita	Other (detail)			
3. Mortality records			Iness Waste	Transier Site				N/A
4. Recent mortality (•	correctly em		hells with tissue	incido obcom	rad Estima	to of 150/ on	
5. Evidence of recer		itynical morta		nens with tissue	e iliside observ	reu. Estima	te 01 ~ 15 % en	N/A
If yes, facility nos/no		•		u/reason:				14/71
11 yes, racility 1103/110	mortality per	raciiity/110 St	on per racility	y/10a30H.				
6. Any other peaks i	n mortality du	ring period cl	necked?					N/A
If yes, detail:		g poriod of						,, .
7. Have increased (inexplained)	mortalities be	en reported t	o vet or FHI?				N/A
If yes, detail action:		T. C. T. C. T. C.	oportou t					
8. Have 'mortality ev	ents' been re	ported to FHI	? If no, enter	details on mort	tality events sh	neet.		N/A
,		•	•					

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Discounity Decords	
Biosecurity Records 4. Biosecurity records a socilable for inspection 2.	
Biosecurity records available for inspection?	
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease	
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	
health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of	
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: 14/08/2018 - 12/03/2021	

Case No:	2021-0027			Date of visit:	12/03/2021				
Site No:	SS0354	1		Inspector:					
		ı							
Results Summary	Freq.	Database	lnon	Da Phone	te of Notifica	writing	linon	and .	
		Dalabase	Insp	Priorie	Insp	vvriting	Insp	2 nd Insp	
			-				-		
							-		
							-		
							-		
Report Summary]					
Case Type	Date	Insp	2 nd Insp						
MOV	16/03/2021								





Kyle of Tongue Oysters Ltd 115B Rhitongue by Lairg Sutherland IV27 4XW

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0525 **DATE OF VISIT** 12/03/2021

SITE No SS0354 SITE NAME Kyle of Tongue Oysters

INSPECTOR CASE No 20210027

Inspection for export

The above site was visited and a consignment of juvenile Pacific oysters for export to France was inspected. A health certificate was issued which must travel with the consignment to the destination.

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

Signed: Date: 16/03/2021

Fish Health Inspector

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0028			Date of visit: 11/03/2021
Time spent on site:	1.5 hrs	Main Inspect	or:
Site No: SS0354	Site Name:	Kyle of Tongue Oysters	
Business No: SB0525	Business Name:	Kyle of Tongue Oysters Ltd	
Case Types: 1 ECI	2 3	4 5	6
Water Temp (°C): <14	Thermometer No:		FHI 045 completed
Observations:	Region: HI	Water type: S	CoGP MA
Dead/weak/abnormally behaving	ng fish present?	N If yes, see additional info	rmation/clinical score sheet.
Clinical signs of disease observ	/ed?		rmation/clinical score sheet.
Gross pathology observed?		N If yes, see additional info	rmation/clinical score sheet.
Diagnostic samples taken?		IN	
UNI/REG only - if unable to car	ry out intended visit detai	il reason below:	

seaweed.

Tide fully out so water temperature not taken at time of inspection but given time of year it will be below 14oC. Site operator unsure the exact number of trestles stocked, estimated to be about half of entire site. Given lack of time due to size of the site and tide coming back in, inspector could not carry out a full count but around half appeared an accurate estimation. Movement records not available for a physical inspection but digital copies were.

Shells fairly clean with very few open shells observed, none with tissue in them. Bags and trestles fairly heavily fouled with

Inspection of site records carried out remotely by

FHI 059, Version 13		_	Issu	ued by: FHI	_		Date of issue	: 12/05/2020
Case No:	2021-0028		Site No:	SS0354				
Date of Visit:		11/03/2021]		Inspector(s):			
Registration/Autho	risation Deta	ails						
1. Business/site deta	ails summary	checked by s	site represent	ative?			Y	
2. Changes made to	details?						Y	
Site Details (includ	le cleaner fis	h for all sect	tions)					
Total No facilities	c cicarici iis	15000	Facilities sto	ncked	~7500	No facilitie	s inspected	15000
Species	CGI	CGI	CGI	OED	, , , ,	140 Idollide	in Specied	
Age group	2018	2019	2020	~2013				
No Fish	2,000,000	1,600,000	1,600,000	40 bags				
Mean Fish Wt	80q	25q	12.5g	~50g				
Next Fallow Date (S		never fallow		Next Input Da	ate (Site)	April 2021		
Recent (last 4 wks)	*				Any escapes	_	visit)?	N
If yes, detail:	discuse probl	CITIO:			Any escapes	(Sirioc last	visit):	14
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 i	nspection?						N/A
2. How are mortalities	es disposed o	f?			Other (detail)			
If other detail:	Empty shells	taken to Me	lness Waste	Transfer Site				
3. Mortality records	complete and	correctly ent	ered?					N/A
4. Recent mortality (last 4 wks):		No empty sl	hells with tissue	inside observ	∕ed. Estimat	te of ~15% em	pty shells
5. Evidence of recer	nt increased/a	typical morta	lities?					N/A
If yes, facility nos/no	mortality per	facility/no sto	ock per facility	y/reason:				
C A			2					NI/A
6. Any other peaks i	n mortality du	ring period ci	пескеа?					N/A
If yes, detail:	un aventain a d\	montolitica la	on ronanta d t	a vot or EUIO				NI/A
7. Have increased (u	unexplained)	mortalities be	en reported t	o vet of FHI?				N/A
If yes, detail action:	onto! hoon as	ported to ELU	2 If no onto	dotaile en mari	tality avanta al	noot		NI/A
8. Have 'mortality ev	enis been re	ported to FHI	r ii no, enter	details on mon	iality events sr	ieet.		N/A

Treatments and Medicines Records		
Recent treatments (see comment)?		
If yes, detail:		
If other, detail:		
Medicines records available for inspection?		
3. Are records complete and correctly entered?		
4. Are fish in a withdrawal period?		
5. If yes, what treatment(s)?		
If other, detail:		
6. Are medicines stored appropriately?		
Biosecurity Records		
Biosecurity records available for inspection?		Y
2. Has the manner and frequency of mortality removal,		Y
·	otify Scottish Ministers or veterinary professional of any	
increased (unexplained) mortality at the site been incl		Y
	e presence or suspicion of the presence of a listed disease	
is detected been included and how and when that will		Y
·	stocked on the farm site been covered (equal or higher	Y
health status, certification if required)?		
		V
·	lemented between each epidemiological unit to minimise	Y
transmission of disease been covered (movement of s		V
7. Is documentation available regarding the measures	in place to maintain the physical containment of	Y
aquaculture animals held on site?		V
8. Have the biosecurity procedures been adequately in	nplemented on site?	Y
If no, detail:		
Results of Surveillance	the ball of the business	NI NI
Has any animal health surveillance been carried out	t by, or on behalf of, the business?	N
2. If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease probl	lems).	
	T44/00/0040 44/00/0004	
Records checked between:	14/08/2018 - 11/03/2021	

FHI 059, Version 13	Issued by: FHI			Date	of issue: 12
Case Number:	2021-0028 Site No:	SS035	4		
Date of Visit	11/03/2021 Inspector:				
Number of Susceptil	ole species on site				
	ies present = <u>LOW</u> risk				
If susceptible species	present, score for each pathogen		No	Yes	
	Susceptible to Bonamia ostrea (OED)		0	25	25
	Susceptible to Marteilia refringens (OED, MED)	0	3	3	
	Susceptible to OsHV (CGI)		0	3	3
Sites within a tidal e	xcursion	1	2-5	>6	
Site contacts	Number of sites holding susceptible species within a tidal				
	excursion	0	2	10	0
Live shellfish moven	nents	0	1-2	>3	
Movements on	Frequency of movements on from equivalent MS	0	5	10	10
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0
	Number of suppliers	0	5	10	5
					=
Movements off	Frequency of movements off <u>within</u> MSS Management Areas	0	1	2	0
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	6
	Number of destinations	0	3	6	3
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)	
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0
	Depuration of stock from sites outwith MSS management area	0	4	8	0
Biosecurity	Number of sites	1	2 or 3	≥ 4	
Contacts with other	Sites operating from single shorebase	0	1	2	0
sites	Sites sharing staff and equipment	0	1	5	U
			Yes	No	
	Disinfection of equipment between sites, use of footbath	s etc	0	2	0
			Total Risk		55 HIGH

Case No:	2021-0028			Date of visit:	11/03/2021			
O'' N	000054							
Site No:	SS0354	J		Inspector:				
Results Summary	Freq.			Da	te of Notifica	tion		
,	·	Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
Report Summary								
Case Type	Date	Insp	2 nd Insp					
ECI	16/03/2021							





Kyle of Tongue Oysters Ltd 115B Rhitongue by Lairg Sutherland IV27 4XW

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0525 **DATE OF VISIT** 11/03/2021

SITE No SS0354 SITE NAME Kyle of Tongue Oysters

INSPECTOR CASE No 20210028

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The surveillance frequency category of the site was assessed as high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

Aquaculture animal and aquaculture animal product movement records were inspected and found to be inadequately 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.

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

- Species of stock moving onto or off of the site not properly recorded. Exact species is
 to be recorded whether that be Pacific oysters (*Crassostrea gigas*, CGI) or Native
 oysters (*Ostrea edulis*, OED). Exact species to be recorded in future.
- One entry, dated 03/05/2019 did not indicate if the movement was onto or off of site.
 Movement records to be updated to indicate the direction of movement.

These must be addressed to ensure the conditions of authorisation for your Aquaculture Production Business (APB) are being met.

Please contact myself or the duty inspector should you require any assistance or clarification in implementing any requirement or recommendation detailed in this report.



FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020				
Case No: 2021-0043			Date of visit: 31/03/2021				
Time spent on site:	nr	Main Inspe	ector:				
Site No: SS0931 Business No: SB0556	Site Name: Business Name:	Oyster Holding Room The Roslin Institute					
Case Types: 1 ECI 2	2 QUA 3	4 5	6				
Water Temp (°C): 20	Thermometer No:	Site	FHI 045 completed N				
Observations:	Region: LO	Water type: S	CoGP MA:				
Dead/weak/abnormally behaving Clinical signs of disease observed Gross pathology observed? Diagnostic samples taken?	nformation/clinical score sheet. nformation/clinical score sheet. nformation/clinical score sheet.						
UNI/REG only - if unable to carry out intended visit detail reason below:							

Current stock from Isle of Mull.

Site is regularly fallow. Small batches of oysters arrive on site and are normally processed within a week (moved through to the disease challenge room). Site is then cleaned and disinfected before next stock comes on.

Site is expecting the next batch of Pacific oysters to arrive in April/May from Guernsey. However, site also receives stock from Morcambe Bay and Isle of Mull.

Site expects to be receiving Pacific oysters at a frequency of around once per month.

Although the site is expected to receive mostly Pacific oysters, the site may also take on Native oysters for future work.

Stock are kept in buckets on site and a water change is conducted weekly using natural seawater collected from St Abbs Marine Station. They have a small inlet just offshore and the water is pumped onshore and collected from the station. It is stored in a large water tank on site which is set up as a recirculation unit that is independent from the oyster buckets. It is filtered down to 1 micron and is passed through a UV filter before being used for water changes.

Waste water removed from the buckets is stored in a separate bin that is disinfected with sodium hypochlorite for 24hrs prior to disposal via mains sewage.

Where the storage tank is located within the room, there is a bunded container which the tank sits on which is capable of holding the volume of the tank should it leak.

The room is also divided into a dry and wet area. The dry side is for disposable PPE which is then discarded into the clinical waste bin within the room.

Mortalities are disposed of via the Universities approved route for clinical waste, which is incineration at another location on campus (but off site).

All appropriate measures were in place to prevent the accidental release of pathogens through effluent water and/or mortalities.

Site thermometer used due to biosecurity risk.

Paperwork completed remotely on 30/03/2021. Site visit conducted on 31/03/2021.

FHI 059, Version 13	ş.		Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2021-0043		Site No:	SS0931				
Date of Visit:		31/03/2021]		Inspector(s):			ı
Registration/Author	orisation Deta	nils						
1. Business/site det	ails summary	checked by s	ite representa	ative?			Υ	1
2. Changes made to	o details?						N]
Site Details (include	de cleaner fis	h for all sect	ions)					
Total No facilities		3 buckets	Facilities sto	cked	3	No facilitie	es inspected	3
Species	CGI							
Age group	2020							
No Fish	50							
Mean Fish Wt	<10g							
Next Fallow Date (S	Site)	Regularly fal	low.	Next Input Da	te (Site)	April/May	21	
Recent (last 4 wks)	disease probl	ems?		N	Any escapes	(since last	visit)?	N
If yes, detail:								
 4. Are movement re 5. Are records comp 6. Are health certific Transport Records 1. Are any moveme If yes, is there a sys 	olete and corrected for introdes. Second of the corrected out the	ectly entered? luctions (outw	vith GB) availa	able? usiness (not usi	-			N/A N/A Y
Mortality Records								
1. Mortality records	available for in	nspection?						Y
2. How are mortaliti	e <mark>s disposed o</mark>	f?			Other (detail)			
If other detail:	Mortalities a	e incinerated	at another lo	cation on camp	ous (but off sit	e).		
3. Mortality records	complete and	correctly ente	ered?					Y
4. Recent mortality	(last 4 wks):		1 mortality a	s a result of ove	ercrowding in	one bucket	on 23rd Marc	ch 21.
5. Evidence of recei	nt increased/a	typical mortal	ities?					N
If yes, facility nos/no	o mortality per	facility/no sto	ck per facility	/reason:				
6. Any other peaks	in martality du	ring pariod ab	a alcad?					l N
6. Any other peaks If yes, detail:	in mortality du	ning period ch	ieckeu?					I
7. Have increased (unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:								
8. Have 'mortality ev	vents' been re	ported to FHI	? If no, enter	details on mort	ality events sh	neet.		N/A
			,		,			

Treatments and Medicines Records					
1. Recent treatments (see comment)?					
If yes, detail:					
If other, detail:					
2. Medicines records available for inspection?					
3. Are records complete and correctly entered?					
4. Are fish in a withdrawal period?					
5. If yes, what treatment(s)?					
If other, detail:					
6. Are medicines stored appropriately?					
Biosecurity Records					
Biosecurity records available for inspection?	Y				
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y				
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any					
increased (unexplained) mortality at the site been included?	Y				
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease					
is detected been included and how and when that will be notified to Scottish Ministers?					
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher	Y				
health status, certification if required)?					
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise	'				
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	$\overline{}$				
7. Is documentation available regarding the measures in place to maintain the physical containment of	'				
aquaculture animals held on site?					
8. Have the biosecurity procedures been adequately implemented on site? If no, detail:					
ii iio, detaii.					
Results of Surveillance					
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N				
2. If yes, are results available for inspection?					
3. Any significant results?					
If yes, detail (if not detailed under recent disease problems).					
in you, dottain (in not dottailed direct recent diodese problems).					
Records checked between: Since registration - 31/03/21					

Case No:	2021-0043			Date of visit:	31/03/2021			
		1						
Site No:	SS0931	l		Inspector:				
Results Summary	Freq.			Da	te of Notifica	ition		
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp
	1							
Report Summary				1				
Case Type	Date	Insp	2 nd Insp					
	06/03/2021							
ECI QUA	06/03/2021							





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0556 SITE NO SS0931

INSPECTOR

DATE OF VISIT 31/03/2021

SITE NAME Oyster Holding Room

CASE No 20210043

Date: 07/04/2021

The above site operated by The Roslin Institute was inspected to ensure the biosecurity measures plan submitted to the FHI was being practised on site. Specific attention was given to the containment measures on site to prevent the escape of pathogens into the external environment via effluent water and/or mortalities removed from the site. The inspector was satisfied that all appropriate measures were in place to prevent the accidental release of pathogens.

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

Signed:

Fish Health Inspector





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No. SB0556 SITE NO SS0931 INSPECTOR

DATE OF VISIT 31/03/2021

SITE NAME **Oyster Holding Room**

CASE NO 20210043

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The surveillance frequency category of the site was assessed as high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

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

Mortality records were inspected and found to be adequately maintained.

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.

Signed: Date: 07/04/2021

Fish Health Inspector

FHI 059, Version 13	I	ssued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0044			Date of visit: 31/03/2021
Time spent on site:	hr	Main I	nspector:
Site No: SS0936 Business No: SB0556	Site Name: Business Name:	Shrimp Aquarium Roon The Roslin Institute	n
Case Types: 1 ALA	2 ECI 3	4 5	6
Water Temp (°C): 25	Thermometer No:	Site	FHI 045 completed N
Observations:	Region: LO	Water type: F	CoGP MA:
Dead/weak/abnormally behaving Clinical signs of disease observe Gross pathology observed? Diagnostic samples taken?	•	N 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	out intended visit detail	reason below:	

Whiteleg shrimp larvae were due to arrive on site from a supplier in the USA last week (w/b 22/03) but was delayed due to bad weather. Site expects the shipment to arrive within the next 3 weeks.

Site will also be receiving stock from Great British Prawns.

Shrimp on site were received from GBP ~2weeks ago. Only 1 mortality as a result of the shrimp escaping the tank and perishing.

Tanks are completely independent and not connected to any water supply. Artifical seawater is made using RO from the tap and adding synthetic salt. This is stored in a larger water tank within the room and is used for weekly water changes.

Each individual tank has its own heater, filter for collecting suspended waste and an airstone.

Waste water removed from the tanks is stored in a separate storage tank and is treated with sodium hypochlorite for 24hrs prior to discharge down the drain and into mains sewage.

The room is bunded and can hold the volume of water that is present in all the tanks combined if they were ever to leak or overflow.

The room is divided into a dry area where disposable PPE can be put on before enetering the wet side where the tanks are located. PPE is disposed of in the rooms clinical waste bin.

When live animals are moved off site, they are placed in sealed welltrays that are then placed within a plastic bag that is then sprayed with Virkon disinfectant before moving off site.

Mortalities are treated as clinical waste and are disposed of via the Universities approved route for clinical waste, which in this case is incineration at another location on campus (but off site).

Site thermometer used due to biosecurity risk.

Paperwork completed remotely on 30/03/2021. Site visit conducted on 31/03/2021.

FHI 059, Version 13	3		Issu	ıed by: FHI			Date of issu	ue: 12/05/2020
Case No:	2021-0044		Site No:	SS0936				
Date of Visit:		31/03/2021]		Inspector(s):		
Registration/Author	orisation Deta	ails						
1. Business/site det			ite representa	ative?			Y	7
2. Changes made to	•	•	·				N	
Site Details (includ	de cleaner fis	h for all sect	ions)					
Total No facilities		17	Facilities sto	ocked	10	No facilitie	es inspected	17
Species	LPV							
Age group	2021							
No Fish	10							
Mean Fish Wt	30g							
Next Fallow Date (S		Regularly fal	low.	Next Input Da	ate (Site)	April 2021		
Recent (last 4 wks)	•				Any escape			N
If yes, detail:					, ,		,	
Massaura Danauri								
Movement Record 1. Movement record		r inconction?						
2. Date of last inspe		i inspection:					Eirct inches	rtion
3. Are records com		actly optorod?)				First inspec	,tion.
4. Are movement re	•	•)				N/A
5. Are records com				•				N/A
6. Are health certific	•	•		able?				N/A
		,	,					
Transport Records				. , ,				
1. Are any moveme					_			Y
If yes, is there a sys	stem in place t	or maintenan	ce of transpo	rtation records	?			Y
Mortality Records								
1. Mortality records	available for i	nspection?						Y
2. How are mortaliti	ies disposed o	f?			Other (deta	il)		
If other detail:	Incineration	at another loc	cation on cam	pus (but off site	e).			
3. Mortality records	complete and	correctly ente	ered?					Y
4. Recent mortality	(last 4 wks):		1 individual	since input. Sh	rimp perishe	d on the floo	r after it jump	ed out of its
5. Evidence of rece	nt increased/a	typical mortal	lities?					N
If yes, facility nos/no	o mortality per	facility/no sto	ock per facility	//reason:				
6. Any other peaks	in mortality du	ring period ch	necked?					l N
If yes, detail:		3 3.1.5.1. 0.						
7. Have increased ((unexplained)	mortalities be	en reported to	o vet or FHI?				N/A
If yes, detail action:			0.16					\$1/*
8. Have 'mortality e	vents' been re	ported to FHI	? If no, enter	details on mort	tality events :	sheet.		N/A

Treatments and Medicines Records	3		
1. Recent treatments (see comment)?	?		
If yes, detail:			
If other, detail:			
2. Medicines records available for insp	pection?		
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	?		
Diagram to Dance to			
Biosecurity Records	maatiam?		V
1. Biosecurity records available for ins		rding and asta disposal been considered?	T V
	•	rding and safe disposal been considered?	<u> </u>
increased (unexplained) mortality at t	•	cottish Ministers or veterinary professional of any	
, , , , , , , , , , , , , , , , , , , ,			<u> </u>
is detected been included and <i>how</i> ar		sence or suspicion of the presence of a listed disease	
		ed on the farm site been covered (equal or higher	\ \rightarrow\ \ri
health status, certification if required)?		ed on the farm site been covered (equal or higher	<u> </u>
modili status, ostimodilon ii required):			
6. Have the husbandry and biosecurity	v measures implemen	ted between each epidemiological unit to minimise	Y
·	•	visitors, equipment, live or dead fish etc.)?	
	,	ace to maintain the physical containment of	Y
aquaculture animals held on site?	ig the inequality in pla	oo to mamam the physical comamment of	
8. Have the biosecurity procedures be	en adequately implem	nented on site?	Y
If no, detail:	, , , , , , , , , , , , , , , , , , ,		
Results of Surveillance			
1. Has any animal health surveillance	been carried out by, o	or on behalf of, the business?	N
2. If yes, are results available for inspe	ection?		
3. Any significant results?			
If yes, detail (if not detailed under rece	ent disease problems).		
Records checked	hetween:	Since registration - 31/03/2021	

Susceptible to Martellia refringens (OED, MED) Susceptible to OsHV (CGI) Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Number of sites holding susceptible species within a tidal excursion Frequency of movements on from equivalent MS Frequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Number of suppliers Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations None Secure (effluent treatment) Water contacts with depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Biosecurity Number of sites Sites sharing staff and equipment Disinfection of equipment between sites, use of footbaths etc Total	rni 059, version 13	issued by. FIII			Date	or issue. I
Number of Susceptible species on site If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Susceptible to Martellia refringens (OED) Susceptible to Martellia refringens (OED, MED) Susceptible to Martellia refringens (OED, MED) Susceptible to OsHV (CGI) Sites within a tidal excursion Number of sites holding susceptible species within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Frequency of movements on from equivalent MS Frequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Movements off Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations None Management Preductions Depuration of stock from own sites within MSS Depuration of stock from own sites within MSS Depuration of stock from own sites within MSS management area Depuration of stock from own sites within MSS management area Depuration of stock from own sites within MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Disingentity Number of sites 1 2 or 3 2 4 Contacts with other Sites operating from single shorebase Sites sharing staff and equipment Total	Case Number:	2021-0044 Site No:	SS093	6		
If no susceptible species present = LOW risk If susceptible species present, score for each pathogen Susceptible to Bonamia ostrea (OED) Susceptible to Marteilia refringens (OED, MED) Susceptible to OsHV (CGI) Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Version Site shalfish movements Number of sites holding susceptible species within a tidal excursion Frequency of movements on from equivalent MS Frequency of movements on from equivalent Acreas Movements off Frequency of movements on from equivalent zone or compartment including third country Number of suppliers No Frequency of movements off within MSS Management Acreas Number of destinations No Secure (effluent treatment) Water contacts with depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Blosecurity Number of sequipment between sites, use of footbaths etc O Total Total	Date of Visit	31/03/2021 Inspector:			1	
If susceptible species present, score for each pathogen Susceptible to Bonamia ostrea (OED) 0 25 Susceptible to Bonamia ostrea (OED, MED) 0 3 Susceptible to Martellia refringens (OED, MED) 0 3 Susceptible to OsHV (CGI) 0 0 3 Susceptible to OsHV (CGI) 0 0 3 Susceptible to OsHV (CGI) 0 0 0 0 0 0 0 0 0	Number of Susceptil	ble species on site				
Susceptible to Bonamia ostrea (OED) Susceptible to Marteilia refringens (OED, MED) Susceptible to OsHV (CGI) Site contacts Number of sites holding susceptible species within a tidal excursion Frequency of movements on from equivalent MS O Terquency of movements on from equivalent area Movements off Frequency of movements on from equivalent area Frequency of movements off within MSS Management Areas Number of destinations Management Frequency of movements off within MSS Management Areas Number of destinations Depuration of stock from own sites within MSS Management Practices Mater contacts with depuration facilities Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management Depuration of stock from sites outwith MSS management Areas Depuration of stock from sites outwith MSS management Depuration of stock from sites outwith MSS management Area Depuration of stock from sites outwith MSS management Depuration of stock from sites out	If no susceptible spec	ies present = <u>LOW</u> risk				
Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of suppliers Number of suppliers Number of destination sites within MSS Management area Number of destinations Number of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Number of sites Number of sites sharing staff and equipment Number of sites sharing staff and equipment sites, use of footbaths etc Number of sites	If susceptible species	present, score for each pathogen		No	Yes	
Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Live shellfish movements Prequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Movements off Frequency of movements off within MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations Number of destinations Depuration of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from other businesses sites within area area area area area area area		Susceptible to Bonamia ostrea (OED)		0	25	0
Sites within a tidal excursion Site contacts Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Diversity Number of sites holding susceptible species within a tidal excursion O 1-2 >3 Movements on Frequency of movements on from equivalent MS Frequency of movements on from equivalent zone or compartment including third country Number of suppliers O 10 20 In 20 10 20 In 20 10 20 In 20 10 20 In 20 20 In		Susceptible to Marteilia refringens (OED, MED)		0	3	0
Site contacts Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of sites holding susceptible species within a tidal excursion Number of suppliers Number of destinations Number of stock from own sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from other businesses sites within MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from sites outwith MSS management area Depuration of stock from other businesses sites within area area area area area area area are		Susceptible to OsHV (CGI)		0	3	0
Live shellfish movements Compartment including third country Compartment	Sites within a tidal e	xcursion	1	2-5	>6	
Movements on Frequency of movements on from equivalent MS	Site contacts	* '		2	10	0
Frequency of movements on from equivalent zone or compartment including third country Number of suppliers Frequency of movements off within MSS Management Areas 0 1 2	Live shellfish mover	nents	0	1-2	>3	
Compartment including third country Number of suppliers Number of destinations Numb	Movements on	Frequency of movements on from equivalent MS	0	5	10	0
Number of suppliers 0 5 10			0	10	20	10
Areas Frequency of movements off outwith MSS Management Areas Frequency of movements off outwith MSS Management Areas Number of destinations Contacts with other sites Sites operating from single shorebase Contacts with other sites Sites sharing staff and equipment between sites, use of footbaths etc Contacts		·	0			5
Areas Frequency of movements off outwith MSS Management Areas Number of destinations Contacts with other sites Sites operating from single shorebase Sites sharing staff and equipment between sites, use of footbaths etc Contacts	Mayamanta off					
Areas Number of destinations Areas 0	Movements on		0	1	2	0
Number of destinations 0 3 6			0	3	6	0
Management practices (effluent treatment) (no effluent treatment) Water contacts with depuration facilities Depuration of stock from own sites within MSS management area 0 1 2 Depuration of stock from other businesses sites within MSS management area 0 2 6 Depuration of stock from sites outwith MSS management area 0 4 8 Biosecurity Number of sites 1 2 or 3 ≥ 4 Contacts with other sites Sites operating from single shorebase 0 1 2 Sites sharing staff and equipment 0 1 5 Ves No Total						3
depuration facilities Depuration of stock from own sites within MSS management area 0 1 2 2	practices		None	(effluent	(no effluent	
MSS management area Depuration of stock from sites outwith MSS management area Number of sites Number of sites Sites operating from single shorebase Sites Sharing staff and equipment Total MSS management area 0 2 6 0 4 8		·	0	1	2	0
Biosecurity Number of sites 1 2 or 3 ≥ 4 Contacts with other sites Sites operating from single shorebase Sites sharing staff and equipment O 1 5 Yes No Disinfection of equipment between sites, use of footbaths etc Total			0	2	6	0
Contacts with other sites Sites operating from single shorebase 0 1 2		•	0	4	8	0
Contacts with other sites Sites operating from single shorebase Sites sharing staff and equipment O 1 2 Yes No Disinfection of equipment between sites, use of footbaths etc Total	Biosecurity	Number of sites	1	2 or 3	≥ 4	
Sites Sharing staff and equipment 0 1 5 Yes No Disinfection of equipment between sites, use of footbaths etc 0 2 Total 2		Sites operating from single shorebase	0	1	2	1
Disinfection of equipment between sites, use of footbaths etc 0 2 Total 2			0	1	5	1
Total 2				Yes	No	
		Disinfection of equipment between sites, use of footbath	s etc	0	2	0
						20 MEDIUM

Site No: Inspector:	Case No:	2021-0044			Date of visit:	31/03/2021				
Results Summary Freq. Database Insp Phone Insp Writing Insp 2 nd Insp Insp Insp Insp Insp Insp Insp Insp Insp Insp Insp Insp Insp Insp Insp Insp	Cita Na	000000	• 1							
Database Insp	Site No:	550936	J		inspector:					
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Report Summary Case Type Date Insp 2 nd Insp 2 nd Insp			Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp	
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Case Type Date Insp 2 nd Insp ECI 06/04/2021										
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Case Type Date Insp 2 nd Insp ECI 06/04/2021		1								
Case Type Date Insp 2 nd Insp ECI 06/04/2021										
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ALAS 06/04/2021	ECI	06/04/2021								
	ALAS	06/04/2021								
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FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No SB0556 **DATE OF VISIT** 31/03/2021

SITE No SS0936 SITE NAME Shrimp Aquarium Room

INSPECTOR CASE No 20210044

An application for authorisation to farm the non-native species *Litopenaeus vannamei* (whiteleg shrimp) was received on the 13/3/2021.

The production facilities at the Shrimp Aquarium Room, operated by The Roslin Institute, were inspected on 31st May 2021 to determine if an application for a permit was required under the Alien and Locally Absent Species in Aquaculture (Scotland) Regulations 2015 (the 2015 Regulations). Movements of alien or locally absent species to facilities meeting the definition of a 'closed aquaculture facility' are exempt from the permit process by these Regulations, provided that transport is carried out under conditions that prevent the escape of those species and any non-target species.

It was determined that the facilities and their current operation met the requirements of a closed aquaculture facility under Article 3(3) of Council regulation (EC) No 708/2007. The transport methods proposed were deemed to be acceptable with regards to containment and prevention of escape.

Operational activities include:

- Aquaculture is conducted in separate tanks, containing one individual per tank. Each tank
 contains a heater, filter and air stone and they are not connected to any other tank or
 water supply. Water changes are conducted weekly using artificial seawater made on site
 from reverse osmosis water and synthetic salt.
- Waste water is screened and disinfected with a 13% sodium hypochlorite solution for a minimum of 6 hours, but is generally disinfected over a 24 hour period prior to discharge into the domestic drainage system.
- Solid waste removed from the individual tank filters and from all water changes is marked
 as clinical waste and disposed of through the approved University of Edinburgh waste
 disposal route; in this case, the waste is incinerated.
- Mortalities are also incinerated via the Universities approved biological/clinical waste stream;

- All shrimp are transported from the site in fully enclosed welltrays that are then further sealed in a plastic bag which is sprayed with Virkon disinfectant prior to any movement.
- The site is located within the University buildings and as such operates with 24 hour security including security guards and CCTV.

As the Shrimp Aquarium Room site is currently regarded as meeting the requirements of a closed aquaculture facility and the transport of the alien species is conducted under conditions that will prevent their escape, the site will not require to apply for a permit to introduce alien species under the 2015 regulations.

- The Roslin Institute are reminded that should there be any change to the current operational practices at the Shrimp Aquarium Room site, this may result in the requirement for a permit under the 2015 Regulations.
- To ensure compliance with the 2015 Regulations, these changes must be discussed with the Fish Health Inspectorate prior to being implemented.
- To ensure the operation of the Shrimp Aquarium Room continues to meet the requirements of a closed aquaculture facility it must be available for inspection by the Fish Health Inspectorate.

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: 09/04/2021





FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

DATE OF VISIT

BUSINESS NO SB0556 SITE NO SS0936 INSPECTOR

936 SITE NAME CASE NO 31/03/2021

Shrimp Aquarium Room 20210044

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

The site was also was inspected to determine if an application for a permit was required under the Alien and Locally Absent Species in Aquaculture (Scotland) Regulations 2015, a separate report will be issued in due course.

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.

Mortality records were inspected and found to be adequately maintained.

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.



Signed: Date: 07/04/2021

Fish Health Inspector

FHI 059, Version 13		Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0045			Date of visit: 31/03/2021
Time spent on site:	1hr	Main I	Inspector:
Site No: SS0941 Business No: SB0556	Site Name: Business Name:	Disease Challenge Ro The Roslin Institute	om 02.050
Case Types: 1 ECI	2 ALA 3	4 5	6
Water Temp (°C): N/A	Thermometer No:		FHI 045 completed N
Observations:	Region: LO	Water type: S	CoGP MA:
Dead/weak/abnormally behavin Clinical signs of disease observ Gross pathology observed? Diagnostic samples taken?	~	N 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 carr	y out intended visit deta	il reason below:	

Animals are only moved into this room when disease challenge work is ongoing, so this site doesn't hold stock as such.

The site records mortalities, however, due to the nature of the site and the fact the animals are intentionally challenged with different diseases, the mortalities (although high) are explained. Disease challenge work generally lasts 2 weeks and mortality attributed to infection with disease is expected to be ~60/70%.

Mortalities are disposed of via the Universities approved route for clinical waste and are incinerated at another location on campus (but off site).

Either live oysters or tissue samples are placed in wells with 200ml of seawater, sealed then placed in a plastic bag which is then disinfected with Virkon before moving into the disease challenege room. Once in the DC room, the well tray is placed within an exractor hood when the virus is either injected into the tissue or added to the water surrounding the live oyster. The welltray is then sealed in a plastic bag and placed into a lockable incubator for the duration of the experiment.

Once the disease challenge work has been completed, the oysters are removed from the incubator and placed in the hood for everything to be disinfected with Virkon before being sealed in another plastic bag which is also disinfected and tagged with a tracking marker before being stored in a lockable freezer until enough waste is generated. At which point, the waste is disposed of in clinical waste and marked for incineration which is completed at another location on campus, but off site.

The DC room is lockable while work is ongoing and there is an electronic register of personel using the room.

Site doesn't really hold stock as such, animals are moved into the room for a period of 2 weeks while undergoing disease challenge work, where they are stored in an incubator (1 facility). The stock details included are of the animals that are currently in the incubator for the current work.

Paperwork completed on 30/03/2021. Site visit conducted on 31/03/2021.

07/04/2021 - Following the inspection, it was determined that the Alien and Locally Absent Species Regulations do not apply to this site, as there is no aquaculture production on site and the inspector was satisfied that the biosecure processes in place should also contain any disease pathogens and non-native species.

FHI 059, Version 13	3		Issu	ed by: FHI			Date of issu	e: 12/05/2020
Case No:	2021-0045		Site No:	SS0941				
Date of Visit:		31/03/2021]		Inspector(s)	:		
Registration/Author	orisation Det	ails						
1. Business/site det			site representa	ative?			Y	
2. Changes made to	o details?						N]
Site Details (include	de cleaner fis	sh for all sect	ions)					
Total No facilities		1	Facilities sto	cked	1	No faciliti	ies inspected	1
Species	CGI						1	
Age group	2020							
No Fish	60							
Mean Fish Wt	<10g							
Next Fallow Date (S	Site)	N/A		Next Input Da	ite (Site)	N/A		
Recent (last 4 wks)	disease prob	lems?		N	Any escape	s (since las	t visit)?	N
If yes, detail:								
4. Are movement re 5. Are records com 6. Are health certific Transport Records 1. Are any movement of the second	plete and corr cates for intro s ents carried ou	rectly entered? ductions (outw ut by (or on be	? vith GB) availa half) of the bu	able? usiness (not usi	-			N/A N/A N/A N/A
Mortality December								
Mortality Records1. Mortality records	available for	inenaction?						Y
2. How are mortaliti		•			Other (detai	:1)		
If other detail:			l at another lo	cation on camp				
3. Mortality records				cation on camp	ous (but on s	ite).		Y
•		a correctly error		1/03-20/03· 10	mortalities o	ut of 100 ar	nimale involved	l in disease
 4. Recent mortality (last 4 wks): For period 24/03-29/03: 40 mortalities out of 100 animals involved i 5. Evidence of recent increased/atypical mortalities? 							Y	
If yes, facility nos/no		* *		/reason·				
All mortalities attrib		•		71000011.				
6. Any other peaks								N
If yes, detail:		3 2 0.						
7. Have increased ((unexplained)	mortalities be	en reported to	vet or FHI?				N/A
If yes, detail action:	•							
8. Have 'mortality e	vents' been re	eported to FHI	? If no, enter	details on mort	ality events s	sheet.		N/A

Treatments and Medicines Records	
1. Recent treatments (see comment)?	
If yes, detail:	
If other, detail:	
2. Medicines records available for inspection?	
3. Are records complete and correctly entered?	
4. Are fish in a withdrawal period?	
5. If yes, what treatment(s)?	
If other, detail:	
6. Are medicines stored appropriately?	
Biosecurity Records	
Biosecurity records available for inspection?	Υ
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	Y
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of	any
increased (unexplained) mortality at the site been included?	, , <u>ү</u>
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed	disease
is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	Thor V
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or highealth status, certification if required)?	Julei i
meant status, certification if required):	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to min	imisa Y
transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	iiiise .
7. Is documentation available regarding the measures in place to maintain the physical containment of	Y
aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	Y
If no, detail:	
Results of Surveillance	
1. Has any animal health surveillance been carried out by, or on behalf of, the business?	N
2. If yes, are results available for inspection?	
3. Any significant results?	
If yes, detail (if not detailed under recent disease problems).	
Records checked between: Date registered - 31/03/2021	

FHI 059, Version 13	Issued by: FHI			Date of issue: 12/		
Case Number:	2021-0045 Site No:	SS094	1			
Date of Visit	31/03/2021 Inspector:					
Number of Susceptil	ole species on site					
•	ies present = LOW risk					
	present, score for each pathogen		No	Yes		
	Susceptible to Bonamia ostrea (OED)		0	25	25	
	Susceptible to Marteilia refringens (OED, MED)		0	3	3	
	Susceptible to OsHV (CGI)		0	3	3	
Sites within a tidal e	yeursion	1	2-5	>6		
Site contacts						
One contacts	Number of sites holding susceptible species within a tidal excursion	0	2	10	0	
Live shellfish moven		0	1-2	>3		
Movements on	Frequency of movements on from equivalent MS	0	5	10	0	
	Frequency of movements on from equivalent zone or compartment including third country	0	10	20	0	
	Number of suppliers	0	5	10	0	
Movements off	Frequency of movements off within MSS Management Areas	0	1	2	0	
	Frequency of movements off <u>outwith</u> MSS Management Areas	0	3	6	0	
	Number of destinations	0	3	6	0	
Management practices		None	Secure (effluent treatment)	Unsecure (no effluent treatment)		
Water contacts with depuration facilities	Depuration of stock from own sites within MSS management area	0	1	2	0	
	Depuration of stock from other businesses sites within MSS management area	0	2	6	0	
	Depuration of stock from sites outwith MSS management area	0	4	8	0	
Biosecurity	Number of sites	1	2 or 3	≥ 4		
Contacts with other	Sites operating from single shorebase	0	1	2	1	
sites	Sites sharing staff and equipment	0	1	5	1	
			Yes	No		
	Disinfection of equipment between sites, use of footbath	ns etc	0	2	0	
			Total Risk		33 HIGH	

Case No:	2021-0045			Date of visit:	31/03/2021					
Site No:	SS0941	1		Inspector:						
		ı								
Results Summary	Freq.	Databasa	Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp		
Report Summary				1						
Case Type	Date	Insp	2 nd Insp	1						
ECI	06/04/2021									
-										





The Roslin Institute
The Roslin Institute
Easter Bush Campus
Roslin
EH25 9RG

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO SB0556 SITE NO SS0941

INSPECTOR 55094

DATE OF VISIT 31/03/2021

SITE NAME Disease Challenge Room 02.050

CASE No 20210045

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site and all epidemiological units were inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

This site is covered by movement restrictions for disease challenge work with Oyster Herpes Virus (OsHV-1)(CDN2021001), a listed disease described in the Aquatic Animal Health (Scotland) Regulations 2009, and so no samples were taken for disease analysis.

The site was also inspected to determine if an application for a permit was required under the Alien and Locally Absent Species in Aquaculture (Scotland) Regulations 2015. It was determined that the facilities in their current operation are not used for aquaculture production as defined in Article 2(1) of Council regulation (EC) No 708/2007, therefore the regulations do not apply.

Records

The surveillance frequency category of the site was assessed as high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

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

Mortality records were inspected and found to be adequately maintained.

The biosecurity measures plan for the site was available for inspection and found to be adequately maintained and implemented. The biosecurity risks from conducting the listed disease research work in a multi-use facility could be further mitigated if conducted in a dedicated work area.

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

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

Signed: Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at https://www.gov.scot/publications/fish-health-inspectorate-service-charter/

Date: 07/04/2021

FHI 059, Version 13		Issued by: FHI	Date of	issue: 12/05/2020		
Case No: 2021-0046			Date of visit:	31/03/2021		
Time spent on site:	hr	Ma	in Inspector:			
Site No: FS0552 Business No: FB0456	Site Name: Business Name:	St Mungos Dawnfresh Farming	Ltd			
Case Types: 1 ECI 2	2 CNI 3	4 5	6			
Water Temp (°C): 8	Thermometer No:	Site	FHI 045 compl	eted N		
Observations:	Region: TA	Water type:	F CoGP MA:			
Dead/weak/abnormally behaving fish present? Clinical signs of disease observed? Gross pathology observed? Diagnostic samples taken? N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet. N If yes, see additional information/clinical score sheet.						
UNI/REG only - if unable to carry	out intended visit deta	il reason below:				

Additional Case Information:

Ova arriving on site from Troutex in Denmark. Shipment was due to be inspected upon arrival, however the connection flight was missed and the shipment was delayed by a day so was unable to be inspected.

Cress administered in feed at the beginning of January for gut fungus.

Ova are generally taken on from Denmark as site has been very happy with the stock they have received so far. Site might also receive ova from South Africa this year, but this has not been decided yet.

Site is planning 5 movements on this year, with each batch containing 90,000 ova.

Movements off site all go into Frandy (FS0551).

Site thermometer used due to biosecurity risk.

Paperwork completed remotely on 30/03/2021. Site visit on 31/03/2021.

FHI 059, Version 13			Issu	ed by: FHI			Date of issue	e: 12/05/2020
Case No:	2021-0046		Site No:	FS0552				
Date of Visit:		31/03/2021]		Inspector(s):			i
Registration/Autho	risation Deta	ails						
1. Business/site deta	•	checked by s	ite representa	ative?			Υ	
2. Changes made to	details?						N	
Site Details (includ	e cleaner fis	h for all sect	ions)					
Total No facilities		16	Facilities sto	cked	16	No facilities	s inspected	16
Species	RTR							
Age group	2021							
No Fish	88,986							
Mean Fish Wt	<1g							
Next Fallow Date (S	,	No plan.		Next Input Da	_ ` '	01/04/2021		
Recent (last 4 wks)	disease probl	ems?		IN	Any escapes	(since last v	/isit)?	N
If yes, detail:								
Movement Records	s							
Movement record		r inspection?						Y
2. Date of last inspec							12/11/2020	
3. Are records comp		ectly entered?	?					Y
4. Are movement red		•						Y
5. Are records comp								Y
6. Are health certification		-		able?				Y
Transport Records								
1. Are any movemen		by (or on be	half) of the bu	ısiness (not usi	ing a STB)?			Y
If yes, is there a syst					-			Y
Mortality Records								
Mortality records a	available for i	aspection?						Y
2. How are mortalities		•			Other (detail)			
If other detail:			sealed bucket	t with lid to be e	,			
3. Mortality records of								Y
4. Recent mortality (•		ortalities acros	s the site in th	ne last month	า.	
5. Evidence of recer	,							N
If yes, facility nos/no		* *		/reason:				
								V
6. Any other peaks in		• .		· · · · · · · · · · · · · · · · · · ·		the state lands have	(.1.) \\/\.\.\.\.	(2200) 7 704
If yes, detail:		, .	2% - following i s/deformed/fail	import. Mortalit	ties were ova	that didn't na	atch); WK51 ((2020): 7,721
7. Have increased (u								N/A
If yes, detail action:	inexplained) i	nortainies be	en reported to	7 VCL 01 1 111:				1 477 1
8. Have 'mortality ev	ents' been re	ported to FHI	? If no. enter	details on mort	ality events sh	neet.		N/A

Treatments and Medicines Records		N.
1. Recent treatments (see comment)?		N
If yes, detail:		
If other, detail:		
2. Medicines records available for inspection?		ĭ
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		N
5. If yes, what treatment(s)?		
If other, detail:		V
6. Are medicines stored appropriately?		Y
Biosecurity Records		
Biosecurity records available for inspection?	" 10	Y
2. Has the manner and frequency of mortality removal, reco	•	Y
3. Has the manner and period in which the APB will notify \$		
increased (unexplained) mortality at the site been included		Y
4. Has the action that will be taken in the event that the pre	·	
is detected been included and how and when that will be r		Y
5. Has the health status of aquaculture animals being stock	ked on the farm site been covered (equal or higher	Y
health status, certification if required)?		
		V
6. Have the husbandry and biosecurity measures implement	, •	T
transmission of disease been covered (movement of staff,	• •	V
7. Is documentation available regarding the measures in pl	ace to maintain the physical containment of	Y
aquaculture animals held on site?		
8. Have the biosecurity procedures been adequately impler	mented on site?	Y
If no, detail:		
D 1/4 CO 111		
Results of Surveillance	and the last of the last area.	- NI
1. Has any animal health surveillance been carried out by,	or on benait of, the business?	N
2. If yes, are results available for inspection?		
3. Any significant results?		
If yes, detail (if not detailed under recent disease problems).	
Developed and all of a	MAD (AA (DOOD) - OA (DO) (DOO)	
Records checked between:	12/11/2020 - 31/03/2021	

FHI 059, Version 13		Issued by: FHI			Date of	of issue	: 12/05/2020
Case Number:	2021-0046		Site No:	FS0552		Insp:	
Date of Visit	31/03/2021 No of movements/supp./dest.						Score
Live fish movements			0	1-5	6-10	>10	
Movements on (from out	Frequency of m	novements on from equivalent MS	0	5	10	14	0
with GB) of susceptible species		novements on from equivalent zone or	0	9	18	26	0
	Number of supp	ncluding third country	0		10	14	5
Mariamanta aff					ļI		2
Movements off	Frequency of m		0		6	10 10	3
Exposure via water		Site contacts			6-10		
Water contacts with other farms (holding species	Farm is protect disinfection or b	ed (secure water supply through porehole)	0				
susceptible to same diseases)		or in a coastal zone with category I or within 1 tidal excursion	1	2	4		1
	farms upstream	or in a coastal zone with category III or within 1 tidal excursion	1	3	6		
		or in a coastal zone with category V or within 1 tidal excursion	1	4	8		
Management practices			None	Secure	Unsecure		
Water contacts with processors	Any processing	plant discharging into adjacent waters	0	1	2		0
On farm processing within the rules of the directive	No on farm pro	cessing	0				0
	Processing own	n fish (re-cycling risk)	1				
	Processing fish	from MS of equivalent status	2	1			
	Processing fish equivalent statu	from zone or compartment of us	4				
	Processing fish	from Category III farm	8				
	Processing fish	from Category V farm	10				
Disposal of fish and fish by-	Site's own wast	te only processed.	0	1			
products	Common proce	esses with other farms	3				3
	Collection point	for waste from other farms	5				
Use of unpasteurised feeds	No feeding of u	npasteurised feed	0	,]			0
Coo or ampaotounous roodo	Feeding unpas	•	5				
Biosecurity		Number of sites	1	J 2 or 3	≥ 4		
Contacts with other sites	Sites operating	from single shorebase	0	1	2		1
	Sites sharing st	taff and equipment	0	1	2		1
Disinfection of equipment between sites, use of	Yes		0				0
footbaths etc	No		1				
CoGP/Regulator				_			
Practices in accordance with regulator or industry	Yes		0				0
code of practice	No		3				
Platform access to cages	Yes		0				0
	No		2				
					Total		26
					Rank		HIGH

FHI 059, Version 13	Issued by: FHI	Date of issue: 12/05/2020
Case No: 2021-0046	Site No:	FS0552
Sea Lice Inspection (Seawater Sites Only)		
Has the site experienced sea lice problems	in the previous 4 years?	
	quivalent) fallowed synchronously on a single y	vear class basis?
3. Does the site have access to a range of lice	enced in-feed and bath sea lice medications (in well as access to suitable biological and/or med	cluding deltamethrin,
4. Is there a signed documented farm management Area (or equivalent)?	ement agreement or statement relevant to the s	site and CoGP Farm
5. Are sea lice count records available for ins	pection? (Legal SSI, CoGP Annex 6)	
6. Do records adequately reflect the required	standard specified in the SSI and the CoGP? (L	Legal SSI, CoGP Annex 6)
7. Are sea lice (<i>L. salmonis</i>) record levels bel records are inspected? (CoGP Annex 6)	ow the suggested criteria for treatment in the C	coGP during the period that
8. Have average adult female sea lice (L. sali	monis) numbers per fish been at a level of 3 or	above (prior to w/b 10/6/19) or
If yes, have these been reported to the Fish H	lealth Inspectorate? If no, FHI see comment.	
9. Is C. elongatus infestation at a level which	is considered to cause significant welfare probl	lems? (CoGP 4.3.81, 5.3.50)
	stered or other actions taken when <i>L. salmonis</i> elongatus is considered to have welfare implicated to the welfare implica	
11. Has any other action been taken (where a	applicable)?	
12. Have therapeutic treatments or the action	s taken had a significant impact upon the lice le	evels recorded?
13. Are treatments, where conducted, carried	out in cooperation between participating farms	?
14. Is there a harvesting strategy for the site,	where fewer populations or part populations are	e held without treatment for
	ement procedure with waypoints describing set a	
16. Do the sea lice levels observed on stocks	reflect sea lice count data? If no please detail r	reasons.
Containment Inspection		
•	ge due to predators in the current or previous pr	roduction cycles?
	he predation experienced on site? (Detail below	
Site indoors, screens on inlet and outlet, or		.,
If other, detail below:	Serminati With past deritterier for readmis.	
3. Have escape incidents or events been exp	perienced on or in the vicinity of the site since th	ne last FHI inspection?
If Yes proceed with questions 4 – 9. If No skip	•	
4. Have these been reported to Scottish Minis		
· ·	orthwith (where they exist)? (CoGP $-4.4.37, 5.4$	
6. Have these been reported to the SSPO and	d local fisheries trusts forthwith (where they exis	st)? (CoGP – 4.4.37, 5.4.17)
7. Were methods (if any) used to recover esc	apees? If yes give detail	
8. If gill nets were deployed was this action as Ministers? (Legal, CoGP – 4.4.38, 5.4.18)	greed with local wild fish interests and was perm	nission given by Scottish
9. What action was taken to prevent and mini	mise the risk of further escapes? (Not covered i	in code but could
be considered under satisfactory measure		
10. Is the site inspected as satisfactory with re	egards to containment? If no, please detail reas	son(s) Y

Case No:	2021-0046			Date of visit:	31/03/2021					
Site No:	FS0552	, 1								
		Inspector:								
Results Summary	Freq.		Date of Notification							
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp		
							_			
							-			
Report Summary]						
Case Type	Date	Insp	2 nd Insp							
ECI, CNI	06/04/2021									





Dawnfresh Farming Ltd Bothwellpark Industrial Estate Uddingston Lanarkshire G71 6LS

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS NO FB0456 SITE NO FS0552 INSPECTOR DATE OF VISIT 31/03/2021 SITE NAME St Mungos CASE NO 20210046

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

The above site was inspected, in accordance with the Aquatic Animal Health (Scotland) Regulations 2009.

All epidemiological units were inspected. On this occasion no samples were taken for disease analysis. The Inspector did not observe any clinical signs associated with the listed diseases as described in the Aquatic Animal Health (Scotland) Regulations 2009.

Records

The surveillance frequency category of the site was assessed as high. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted annually. The category of the site will be reassessed on a routine basis and updated as required.

The information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated. The following records were also inspected to ensure that the conditions of authorisation for your Aquaculture Production Business (APB) are being met:

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

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

Mortality records were inspected and found to be adequately maintained.

No mortality levels exceeding the reporting criteria have been recorded since the last inspection.

R04

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.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007 with respect to section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory.

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

Signed:

Fish Health Inspector

The Fish Health Inspectorate Service Charter detailing standards of service is available on the Marine Scotland website at https://www.gov.scot/publications/fish-health-inspectorate-service-charter/

Date: 07/04/2021