

Case No: 2017-0509 Date of visit: 24/10/2017

Time spent on site: 1 hrs Main Inspector:

Site No: SS0354 Site Name: Kyle of Tongue Oysters

Business No: SB0525 Business Name: SCEA Huitre JMC

Case Types: 1 STS 2 DIA 3 4 5 6

Water Temp (°C): N/A Thermometer No: FHI 045 completed

Observations: Region: HI Water type: S CoGP MA

Dead/weak/abnormally behaving fish present? Y If yes, see additional information/clinical score sheet.

Clinical signs of disease observed? N If yes, see additional information/clinical score sheet.

Gross pathology observed? N If yes, see additional information/clinical score sheet.

Diagnostic samples taken? Y

UNI/REG only - if unable to carry out intended visit detail reason below:

Additional Case Information:

Site consists of 5 blocks of trestles

Block 1 is 2015 seed (sample of 2017 seed experiencing losses was sampled from Block 1)

Block 2 is mostly 2016 seed, some 2015 seed. Stock experiencing losses is located on trestles in middle of block 2 (row 17), 2 bags sampled, ~33% empty shells)

Block 3 is 2016 seed

Block 4 was reported to be 2016 seed, but unable to access due to tide

Block 5 was reported to be 2017 seed, but unable to access due to tide

All stock on site is from Guernsey Sea Farms, majority of bags inspected appeared in normal condition, with one or two empty shells present per bag. A lot of oyster bags were covered in a large amount of growth

Site visited after notification by operator of suspected OsHV1 PCR result from laboratory in France. *Vibrio splendidus* also identified by the lab in the 18 month oysters. 150 oyster sample collected, 50 2015 oysters, 50 2016 oysters and 50 2017 oysters.

Limited to 1 hour on site due to tide and daylight, block 5 was still submerged and block 4 was mostly submerged but access was restricted due to deep channel between block 3 and block 4.

Low tide so temperature not taken.

Site operator unavailable during inspection.

Case No: **2017-0509** Site No: **SS0354**
 Date of Visit: **24/10/2017** Inspector(s): **[Redacted]**

Registration/Authorisation Details

- 1. Business/site details summary checked by site representative? **N**
- 2. Changes made to details? **N**

Site Details

Total No facilities	15,000	Facilities stocked	15,000	No facilities inspected	300
Species	CGI	CGI	CGI		
Age group	2015	2016	2017		
No Fish	2,000,000	9,300,000	5,300,000		
Mean Fish Wt	10g	50g	80g		
Next Fallow Date (Site)	N/A		Next Input Date (Site)	Unknown	

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **N**
 If yes, detail: **Experiencing losses in all seed batches - results from site manager - testing done by Labeo Manche**

Movement Records

- 1. Movement records available for inspection? **N**
- 2. Date of last inspection: **21/07/2016**
- 3. Are records complete and correctly entered? **N/A**
- 4. Are movement records available for dead fish and waste? **N/A**
- 5. Are records complete and correctly entered? **N/A**
- 6. Are health certificates for introductions (outwith GB) available? **N/A**

Transport Records

1. Are any movements carried out by (or on behalf) of the business (not using a STB)? **[Redacted]**
 If yes, is there a system in place for maintenance of transportation records? **[Redacted]**

Mortality Records

- 1. Mortality records available for inspection? **N**
- 2. How are mortalities disposed of? **Other (detail)**
- If other detail: **Empty shells disposed of at site**
- 3. Mortality records complete and correctly entered? **N**
- 4. Recent mortality (last 4 wks): **~approx 10% of stock, 2017 seed reported to be worst affected. Not available at time of inspection**
- 5. Evidence of recent increased/atypical mortalities? **N/A**
- If yes, facility nos/no mortality per facility/no stock per facility/reason: **[Redacted]**
- 6. Any other peaks in mortality during period checked? **N/A**
- If yes, detail: **[Redacted]**
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**
- If yes, detail action: **150 oyster sample conducted**
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?	<input type="checkbox"/>
If yes, detail:	<input type="text"/>
If other, detail:	<input type="text"/>
2. Medicines records available for inspection?	<input type="checkbox"/>
3. Are records complete and correctly entered?	<input type="checkbox"/>
4. Are fish in a withdrawal period?	<input type="checkbox"/>
5. If yes, what treatment(s)?	<input type="text"/>
If other, detail:	<input type="text"/>
6. Are medicines stored appropriately?	<input type="checkbox"/>

Biosecurity Records

1. Biosecurity records available for inspection?	<input type="checkbox"/>
2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?	<input type="checkbox"/>
3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any <i>increased (unexplained)</i> mortality at the site been included?	<input type="checkbox"/>
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?	<input type="checkbox"/>
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	<input type="checkbox"/>
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.)?	<input type="checkbox"/>
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	<input type="checkbox"/>
8. Have the biosecurity procedures been adequately implemented on site?	<input type="checkbox"/>
If no, detail:	<input type="text"/>

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	<input type="checkbox"/>	Y
2. If yes, are results available for inspection?	<input type="checkbox"/>	Y
3. Any significant results?	<input type="checkbox"/>	Y
If yes, detail (if not detailed under recent disease problems).	<input type="text" value="Vibrio splendidus in 18 month old stock, possible OsHV 1uvar result, but not clear"/>	

Case no: Site No: Date of visit/ Sampling:

Priority samples: VI BA PA MG HI

Time sampling starts/ends: Inspector: VMD No.

Environmental conditions: 1 2 3 4 5

Summary samples HIST BA MG VI PA Total Samples

Add Fish/Pools - click

Pool/Fish No	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
Fish nos	1	2	3	4	5	6	7	8	9	10	11	12
Pool Group												
Species	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI
Average weight	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED
Sex	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Water Type	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Stock Origin	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed
Facility No	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED

10/2017 Additional Sample Information:
 See additional comments for unaffected / affected stock details and stock location details.

155 Total Tests assigned 1

F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI	CGI
MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed	Guernsey Sea Farms - 2017 seed
MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED	MIXED



Note - attachments file must be saved to ARC folder as PDF with correct name format e.g. 2012-0123-attach or 2012-0123-attach2 etc.

MARINE SCOTLAND - SCIENCE RECORD SHEET	HI 001	Page 1 of 2
	Issue No	6.00
Condition of Shellfish Samples	Issued By	██████████
	Date of this Issue:	02/11/2015

Case number: Site number:

Shellfish species: Number of live shellfish:

Date of receipt: Time of receipt:

Date of sampling: Time sampling ended:

Condition of samples on receipt

Icepacks frozen at time of sampling? NO ICEPACKS AS UNPACKED.

F1-10 - Affected 2017. Hist, ma-Oshv
ma-Digestive.

F11-50 - Affected 2017 - ma-OSHV.

F51-53 - Affected 2015/16 - BACT HemOLYMPH.
ma-OSHV
ma-DIGESTIVE.
HISTOLOGY.

F54-70 - Affected 2015/16 - ma-OSHV, STORAGE + HIST.

F71-79 - Affected 2015/16 - ma-OSHV.

F80-115 - unaffected 2016 - ma-OSHV + F80 per BACT.

F116-150 - (F116 BACT) + ma-OSHV.

F151-153 - BACT whole in saline - affected 2017.

F154-155 - BACT whole in saline - unaffected 2017.

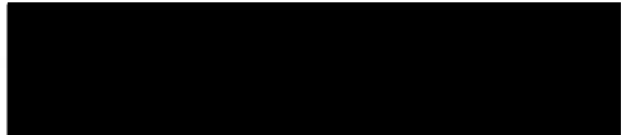
F1, 72, 80
all pale
Body.

Test to assign	Fish numbers
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MARINE SCOTLAND - SCIENCE RECORD SHEET	HI 001	Page 2 of 2
	Issue No	6.00
Condition of Shellfish Samples	Issued By	[REDACTED]
	Date of this Issue:	02/11/2015

HI-SHELLFISH (Histology & Molgen)	N/A.
BA-BAS-Other	F51, 52, 53, 80, 116, 151-155.
BA-TSA & NaCl-Other	F51, 52, 53, 80, 116, 151-155.
MG-OSHV	F1 - 150.
Other (detail)	HI-GEN - F1-10, S1-70. MG-STORAGE - F1-10, S1-70.

Signed Analyst:



Date: 25/10/17.

Le rapport d'analyses ne concerne que les objets soumis à l'analyse. Le rapport ne doit pas être reproduit partiellement sans l'approbation du laboratoire d'analyses.
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Ref Rapport Siv1 v2.2 16/06/2015

RAPPORT D'ANALYSES

Dossier n° : F50509114-20171009-42763 Echantillon n° : 20171009-153108 Origine : SCEA HUITRES JMC N° de Rapport : 171061269-3 Page : 1 sur 1		SCEA HUITRES JMC Zone Ostréicole d'Utah Beach La Petite Dune 50480 STE MARIE DU MONT		AMENDEMENT (OU ADDITIF) AU RAPPORT D'ANALYSES N° : 171061269 DU : 17/10/17
Date de réception	09/10/2017	Type d'huîtres	HUITRES 30 MOIS	
Heure d'enregistrement	08:50			
Date de prélèvement	09/10/2017			
Heure de prélèvement		N° Individu		
Prélevé par	CLIENT			
Localisation du prélèvement	Provenance Ecosse	Observations		

ANALYSE	METHODE	RESULTAT
BIOLOGIE MOLECULAIRE		
Traitement de l'échantillon	Méthode IFREMER	Réalisé
Recherche quantitative d'herpes virus OsHV1 par PCR	Méthode IFREMER	630
Recherche qualitative de Vibrio aestuarianus par PCR	Méthode IFREMER	Absence de colonies majoritaires
Recherche qualitative de Vibrio splendidus par PCR	Méthode IFREMER	Absence de colonies majoritaires

Destinataires : SCEA HUITRES JMC

Date d'impression des résultats : 19/10/17

Le responsable technique :
 Nadège DAGUIER



Pôle d'analyses et de recherche de Normandie

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Ref Rapport Stv1 v2.2 16/06/2015

RAPPORT D'ANALYSES

Dossier n° : F50509114-20171009-42763 Echantillon n° : 20171009-153107 Origine : SCEA HUITRES JMC N° de Rapport : 171061269-2 Page : 1 sur 1		SCEA HUITRES JMC Zone Ostréicole d'Utah Beach La Petite Dune 50480 STE MARIE DU MONT	
Date de réception	09/10/2017	Type d'huîtres	HUITRES CONSOMMABLES
Heure d'enregistrement	08:50		
Date de prélèvement	09/10/2017		
Heure de prélèvement		N° Individu	
Prélevé par	CLIENT		
Localisation du prélèvement	Provenance Ecosse	Observations	

ANALYSE	METHODE	RESULTAT
BIOLOGIE MOLECULAIRE		
Traitement de l'échantillon	Méthode IFREMER	Réalisé
Recherche quantitative d'herpes virus OsHV1 par PCR	Méthode IFREMER	610
Recherche qualitative de Vibrio aestuarianus par PCR	Méthode IFREMER	Absence de colonies majoritaires
Recherche qualitative de Vibrio splendidus par PCR	Méthode IFREMER	Absence de colonies majoritaires

Destinataires : SCEA HUITRES JMC

Date d'impression des résultats : 19/10/17

 Le responsable technique :
 Nadège DAGUIER


Pôle d'analyses et de recherche de Normandie

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Ref Rapport Stv1 v2.2 18/06/2015

RAPPORT D'ANALYSES

Dossier n° : F50509114-20171009-42763

Echantillon n° : 20171009-153106

Origine : SCEA HUITRES JMC

N° de Rapport : 171061269-1 Page : 1 sur 1

SCEA HUITRES JMC

Zone Ostréicole d'Utah Beach

La Petite Dune

50480 STE MARIE DU MONT

Date de réception	09/10/2017	Type d'huîtres	HUITRES 18 MOIS
Heure d'enregistrement	08:40		
Date de prélèvement	09/10/2017		
Heure de prélèvement		N° Individu	
Prélevé par	CLIENT		
Localisation du prélèvement	Provenance Ecosse	Observations	

ANALYSE	METHODE	RESULTAT
BIOLOGIE MOLECULAIRE		
Traitement de l'échantillon	Méthode IFREMER	Réalisé
Recherche quantitative d'herpes virus OsHV1 par PCR	Méthode IFREMER	<600
Recherche qualitative de Vibrio aestuarianus par PCR	Méthode IFREMER	Absence de colonies majoritaires
Recherche qualitative de Vibrio splendidus par PCR	Méthode IFREMER	PRESENCE

Destinataires : SCEA HUITRES JMC

Date d'impression des résultats : 19/10/17

Le responsable technique :

Nadège DAGUIER



Pôle d'analyses et de recherche de Normandie

SCEA Huitre JMC
115B Rhitongue
by Lairg
Sutherland
IV27 4XW

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

BUSINESS No	SB0525	DATE OF VISIT	24/10/2017
SITE No	SS0354	SITE NAME	Kyle of Tongue Oysters
INSPECTOR	Paul McKay	CASE No	20170509

Statutory test

The above site was inspected and a 150 oyster sample collected following notification by the operator of suspicion of Ostreid herpesvirus 1 μ var (OsHV-1 μ var).

Samples were also taken for diagnostic purposes. A separate report will be issued detailing the results of these tests.

Samples

One hundred and fifty *Cassostrea gigas* were tested for the presence of OsHV-1 μ var by real time PCR. Samples were collected according to the table below:

Fish number	Facility number	Stage	Origin
F1- 10	Block 1	2017	Seasalter, Guernsey
F11 - 50	Block 2	2016	Seasalter, Guernsey
F51 - 79	Block 1 & 2	2015/16	Seasalter, Guernsey
F80 - 115	Block 2	2016	Seasalter, Guernsey
F116 - 150	Block 1	2015	Seasalter, Guernsey

Results

Molecular genetics:

Tissue samples were tested for segments of DNA indicative of the presence of OsHV-1 μ var using real-time PCR (QPCR).

The result of this test was negative

R16

Appraisal

No evidence of OsHV-1 μ var was found.

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



Signed:

Date: 09/11/2017

Fish Health Inspector

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