

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:

Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: ST Water type: S CoGP MA:

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

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

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

Diagnostic samples taken?

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

Additional Case Information:

Visit to assess compliance with control agreement (signed in March 2017) in accordance with Chapter 3, section 16 (8).

Requirements of Loch Fyne Oysters

1. Remove of all mussel stock and submerged mussel farm infrastructure (droppers) from the Loch Fyne (SS0002) shellfish farm site;
2. Clean all other floating and submerged structures (such as moorings) on the Loch Fyne (SS0002) shellfish farm of any fouling;
3. Refrain from collecting spat from the Loch Fyne (SS0002) shellfish farm site;
4. Ensure that mussel spat collected at the Loch Fyne (SS0002) shellfish site should not be transferred to other sites for on-growing where either *M. trossulus* is known to be absent or where its occurrence is unknown;
5. Ensure that mussel stock is not moved out of the area for relaying or re-immersion at other sites where either *M. trossulus* is known to be absent or where its occurrence is unknown;
6. Clean equipment and vessels to remove all fouling prior to moving the equipment to sites or area where *M. trossulus* is known to be absent or where its occurrence is unknown;
7. Ensure stock should not be transported for depuration or holding at facilities that discharge to marine waters where *M. trossulus* is known to be absent or where its occurrence is unknown;
8. Undertake sampling and analysis of mussel stock from neighbouring sites to determine the spatial extent of the problem.

Measures undertaken to ensure compliance with each of the requirements

1. Last stock moved off to the restaurant in May 2015. Depurated at the Loch Fyne depuration facility next to the farm site. Droppers and headlines disposed at landfill site in Dalinlongart, Sandbank, Dunoon.
2. Two static moorings on site. The moorings are inspected once every two years by Cunningham Fabrications and Moorings and are cleaned during each inspection, the last inspection was in June 2018. Broken floats have been on the foreshore for approx 3 years and are going to a recycling centre in Invergordon. The floats will be cleaned and then broken up into chips to be reused as other plastic products. Intact floats were left on the foreshore for between 1 - 3 years. Before being moved to Loch Roag the floats were scrapped down and pressure washed to remove all fouling. Oyster trestles are inspected daily and no mussels have been observed on the trestles. The fouling on the oysters bags is cut off at every low tide.
3. No droppers or spat collector on the site for many years.
4. No spat collected for many years.
5. All stock moved into the depuration facility next to the site before being sent to the restaurant for consumption.
6. The work boat has been taken out of the water and the hull scrapped down and pressure washed. This is done when required, at least annually. The last time it was done was February 2018. The boat was also used at Ardcastle Bay and the Loch Fyne site.
7. The only depuration facility used is the one next to the Loch Fyne farm site. No stock transported anywhere apart from the depuration facility.
8. A scientist studied the mussels at Ardcastle bay to determine if the mussels there were hybridised. This work was carried out last year.

Ardcastle Bay IMTA has stopped producing. Some moorings still in place but all droppers and headlines have been removed.

Loch Fyne Oysters Ltd
Clachan
Ardkinglas
Cairndow, Argyll
PA26 8BL

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | SB0002 | DATE OF VISIT | 15/08/2018 |
| SITE No | SS0002 | SITE NAME | Loch Fyne |
| INSPECTOR | Andy Mayes | CASE NO | 20180339 |

The above site was inspected to ensure the requirements outlined in the 'Aquaculture and fisheries (Scotland) Act 2013 Section 16(4): Control Agreement', issued 8th March 2017, had been carried out.

All requirements of the control agreement had been fulfilled. The site remains empty of *Mytilus* species for the purposes of aquaculture.

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

Signed:


Fish Health Inspector

Date: 18/12/2018

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

Case No: 2018-0340 Date of visit: 16/08/2018

Time spent on site: 1.5 hours Main Inspector: ASM

Site No: SS0714 Site Name: Salthouse Point
Business No: SB0456 Business Name: Kyles of Bute Oysters

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12 Thermometer No: T172 FHI 045 completed

Observations: Region: ST Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N

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

Additional Case Information:

No movements onto site for about 10 years. Stock purchased from Guernsey Sea Farms

Wild native oysters on site.

All stock on site grown in Ortac baskets.

Hoping to sell the site as the manager does not sell oysters anymore he only uses the stock for his own consumption and that of a friend.

Manager owns the seabed where the site is situated, its not leased from the Crown Estate.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|------------------------|---------------------------------------|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="12"/> | Facilities stocked | <input type="text" value="6"/> | No facilities inspected | <input type="text" value="12"/> |
| Species | <input type="text" value="CGI"/> | | | | |
| Age group | <input type="text" value="4 year old"/> | | | | |
| No Fish | <input type="text" value="3,000"/> | | | | |
| Mean Fish Wt | <input type="text" value="160g"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="No plans"/> | Next Input Date (Site) | <input type="text" value="No plans"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

| |
|----------------------|
| <input type="text"/> |
|----------------------|

Records checked between:

| | | | |
|---|---|------------|----------------------------------|
| Case Number: | 2018-0340 | Site No: | SS0714 |
| Date of Visit | 16/08/2018 | Inspector: | ASM |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| | Susceptible to Bonamia ostrea (OED) | 0 | 25 |
| | Susceptible to Marteilia refringens (OED, MED) | 0 | 3 |
| | Susceptible to OshV (CGI) | 0 | 3 |
| 3 | | | |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| 2 | | | |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| 0 | | | |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | 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 |
| | Depuration of stock from other businesses sites within MSS management area | 0 | 2 |
| | 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 | Sites operating from single shorebase | 0 | 1 |
| | Sites sharing staff and equipment | 0 | 1 |
| | | | 5 |
| 0 | | | |
| | | Yes | No |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| 0 | | | |
| Total Risk | | | |
| 5 | | | |
| LOW | | | |

██████████
Kyles of Bute Oysters
Salann-Mara
Colintraive
Argyll
PA22 3AH
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|-----------------|
| BUSINESS No | SB0456 | DATE OF VISIT | 16/08/2018 |
| SITE No | SS0714 | SITE NAME | Salthouse Point |
| INSPECTOR | Andy Mayes | CASE No | 20180340 |

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 fourth 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.

Signed:



Date: 30/08/18

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

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
 Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: ST Water type: S CoGP MA:

- Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
- Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
- Gross pathology observed? If yes, see additional information/clinical score sheet.
- Diagnostic samples taken?

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

Additional Case Information:

Site observed from the foreshore after receiving permission from the business owner. The gates were locked at the time of the inspection but the site can be seen from the side of the road.

The owner stated via email that the site was fallow. During the inspection one longline was observed in the water with associated floats. The floats appeared high in the water, suggesting that the site is fallow. There was no sign of stock on site from the land.

No movements since the last inspection

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|-------------------------------------|------------------------|--|-------------------------|--------------------------------|
| Total No facilities | <input type="text" value="1"/> | Facilities stocked | <input type="text" value="0"/> | No facilities inspected | <input type="text" value="1"/> |
| Species | <input type="text" value="Fallow"/> | | | | |
| Age group | | | | | |
| No Fish | | | | | |
| Mean Fish Wt | | | | | |
| Next Fallow Date (Site) | <input type="text" value="N/A"/> | Next Input Date (Site) | <input type="text" value="Summer 2019"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

[REDACTED]
Celtic Sea Ltd
Loch Melfort
Arduaine
Argyll
PA34 4XQ
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | SB0024 | DATE OF VISIT | 14/08/2018 |
| SITE No | SS0093 | SITE NAME | Melfort |
| INSPECTOR | Andy Mayes | CASE No | 20180347 |

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 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.

Signed: [REDACTED]

Date: 10/09/18

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

Case No: 2018-0351 Date of visit: 14/08/2018

Time spent on site: 4 hours Main Inspector: JET

Site No: SS0354 Site Name: Kyle of Tongue Oysters
Business No: SB0525 Business Name: SCEA Huitre JMC

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 13.5 Thermometer No: T147 FHI 045 completed

Observations: Region: HI Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N

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

Additional Case Information:

Site well maintained, stock appeared healthy.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|--|--|--------------------------------------|------------------------------------|
| Total No facilities | <input type="text" value="15000"/> | Facilities stocked | <input type="text" value="10500"/> | No facilities inspected | <input type="text" value="15000"/> |
| Species | <input type="text" value="CGI"/> | <input type="text" value="CGI"/> | <input type="text" value="CGI"/> | <input type="text" value="CGI"/> | <input type="text" value=""/> |
| Age group | <input type="text" value="2018"/> | <input type="text" value="2017"/> | <input type="text" value="2016"/> | <input type="text" value="2015"/> | <input type="text" value=""/> |
| No Fish | <input type="text" value="3,500,000"/> | <input type="text" value="4,700,000"/> | <input type="text" value="9,300,000"/> | <input type="text" value="500,000"/> | <input type="text" value=""/> |
| Mean Fish Wt | <input type="text" value="1mm"/> | <input type="text" value="20mm"/> | <input type="text" value="50mm"/> | <input type="text" value="60mm"/> | <input type="text" value=""/> |
| Next Fallow Date (Site) | <input type="text" value="N/A"/> | | Next Input Date (Site) | <input type="text" value="2019"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection? Y

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included? Y

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers? Y

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? Y

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? Y

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y

8. Have the biosecurity procedures been adequately implemented on site? Y

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

| | | | | |
|---|---|------------|-----------------------------|----------------------------------|
| Case Number: | 2018-0351 | Site No: | SS0354 | |
| Date of Visit | 14/08/2018 | Inspector: | JET | |
| Number of Susceptible species on site | | | | |
| If no susceptible species present = LOW risk | | | | |
| If susceptible species present, score for each pathogen | | | | |
| | | No | Yes | |
| | Susceptible to Bonamia ostrea (OED) | 0 | 25 | |
| | Susceptible to Marteilia refringens (OED, MED) | 0 | 3 | |
| | Susceptible to OshV (CGI) | 0 | 3 | |
| 3 | | | | |
| Sites within a tidal excursion | | | | |
| | | 1 | 2-5 | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 | 10 |
| 0 | | | | |
| Live shellfish movements | | | | |
| | | 0 | 1-2 | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 | 10 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 | 20 |
| | Number of suppliers | 0 | 5 | 10 |
| 10 | | | | |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 | 6 |
| | Number of destinations | 0 | 3 | 6 |
| 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 |
| | 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 |
| 0 | | | | |
| 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 |
| | 0 | | | |
| | | Yes | No | |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 | |
| 0 | | | | |
| Total Risk | | | | |
| 27 | | | | |
| MEDIUM | | | | |

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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|--------------|----------------------|------------------------|
| BUSINESS No | SB0525 | DATE OF VISIT | 14/08/2018 |
| SITE No | SS0354 | SITE NAME | Kyle of Tongue Oysters |
| INSPECTOR | Joe Triscott | CASE No | 20180351 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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

Signed:



Date: 29/08/2018

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

Case No: 2018-0352 Date of visit: 15/08/2018

Time spent on site: 1 hour Main Inspector: JET

Site No: SS0916 Site Name: Scotlive Shellfish Units 2 and 4
Business No: SB0547 Business Name: Scot Live Shellfish Ltd

Case Types: 1 REG 2 3 4 5 6

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

Observations: Region: HI Water type: B CoGP MA:

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
Gross pathology observed? If yes, see additional information/clinical score sheet.
Diagnostic samples taken?

UNI/REG only - if unable to carry out intended visit detail reason below:
Site fallow at time of inspection

Additional Case Information:

Site fallow at time of inspection, most recent stock on site had been sent to France for human consumption earlier in the day. During summer months stock is on site for 1-2 days before being sold on. It is anticipated that stock will remain on site for longer (1-2 weeks) later in the year (October onwards) when demand is lower.

Lobsters are transported by Scot Live from various harbours around Scotland to the site in Alness. Lobsters are inspected at the pier and prior to stocking in tanks on site.

Two separate buildings with holding tanks (4 and 3), with a recirc system in place, each tank is on own separate recirc so there is no flow through of water between tanks. Seawater from Ullapool is transported to site for use in recirc system, temperature maintained at ~ 7 degrees C. Protein skimmers, sand filters and UV installed in recirc systems.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|--------------------|--------------------------------|---|--------------------------------|
| Total No facilities | <input type="text" value="7"/> | Facilities stocked | <input type="text" value="0"/> | No facilities inspected | <input type="text" value="7"/> |
| Species | | | | | |
| Age group | | | | | |
| No Fish | | | | | |
| Mean Fish Wt | | | | | |
| Next Fallow Date (Site) | <input type="text" value="Fallow during inspection"/> | | Next Input Date (Site) | <input type="text" value="15/08/2018"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection? Y

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included? Y

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers? Y

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? Y

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? Y

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y

8. Have the biosecurity procedures been adequately implemented on site? Y

If no, detail:

Results of Surveillance

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

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:

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0352 | Site No: | SS0916 |
| Date of Visit | 15/08/2018 | Inspector: | JET |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 0 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | | | 10 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | | | 20 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | | | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | | | 6 |
| | Number of destinations | 0 | 3 |
| | | | 6 |
| | | | 3 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| 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 |
| | | | 0 |
| 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 |
| | | Yes | No |
| | | | |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | |
| | | | 0 |
| Total Risk | | | |
| 9 | | | |
| LOW | | | |

██████████
Scot Live Shellfish Ltd
Units 4 A/B River Close North
Teaninich Industrial Estate
Alness Ross-shire
IV17 0PB
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|--------------|----------------------|--------------------------|
| BUSINESS No | SB0547 | DATE OF VISIT | 15/08/2018 |
| SITE No | SS0916 | SITE NAME | Scotlive Shellfish Units |
| INSPECTOR | Joe Triscott | CASE No | 20180352 |

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 low. An inspection under the Aquatic Animal Health (Scotland) Regulations 2009 will be conducted every fourth 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 site was first registered by Marine Scotland.

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: 23/08/2018

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

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:

Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: HI Water type: F CoGP MA:

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

23/07/2018 vaccinations carried out (PD3)
Post vaccination treatments of formaln and pyceze administered.
Fish sampled for VMD appeared healthy.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|--------------------------------------|---------------------------------|---|--------------------------------|
| Total No facilities | <input type="text" value="32"/> | Facilities stocked | <input type="text" value="24"/> | No facilities inspected | <input type="text" value="5"/> |
| Species | <input type="text" value="SAL"/> | <input type="text" value="SAL"/> | | | |
| Age group | <input type="text" value="2018 Q3"/> | <input type="text" value="2018 Q4"/> | | | |
| No Fish | <input type="text" value="1,100,000"/> | <input type="text" value="550,000"/> | | | |
| Mean Fish Wt | <input type="text" value="65g"/> | <input type="text" value="65g"/> | | | |
| Next Fallow Date (Site) | <input type="text" value="April 2019"/> | | Next Input Date (Site) | <input type="text" value="October 2018"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

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

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: | |

Results of Surveillance

| | |
|---|--------------------------|
| 1. Has any animal health surveillance been carried out by, or on behalf of, the business? | <input type="checkbox"/> |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> |
| 3. Any significant results? | <input type="checkbox"/> |
| If yes, detail (if not detailed under recent disease problems). | |

Records checked between:

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 | | | | | | | | | | | | |
|----------------|--------------|----------|----------|----------|----------|----------|--|--|--|--|--|--|
| Fish nos | 1-9 | 10-18 | 19-27 | 28-33 | 34-39 | | | | | | | |
| Pool Group | | | | | | | | | | | | |
| Species | SAL | SAL | SAL | SAL | SAL | | | | | | | |
| Average weight | 0.0650 | 0.0650 | 0.0650 | 0.0650 | 0.0650 | | | | | | | |
| Sex | N/A | N/A | N/A | N/A | N/A | | | | | | | |
| Water Type | FW | FW | FW | FW | FW | | | | | | | |
| Stock Details | | Inchmore | Inchmore | Inchmore | Inchmore | Inchmore | | | | | | |
| | Stock Origin | | | | | | | | | | | |
| Facility No | 11 | 12 | 13 | 14 | 17 | | | | | | | |

| |
|---|
| Site No: FS0742 |
| Case No: 2018-0353 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|--------------|----------------------|------------|
| BUSINESS No | FB0119 | DATE OF VISIT | 20/08/2018 |
| SITE No | FS0742 | SITE NAME | Glenfinnan |
| INSPECTOR | Joe Triscott | CASE No | 20180353 |

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013.

Samples were taken to be analysed for veterinary residues.

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

Medicine records were inspected and found to be adequately maintained.

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

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

R20

Signed:



Fish Health Inspector

Date: 23/08/2018

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

R20

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 0131 244 0944 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
 Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: OR Water type: S CoGP MA: O-1

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

Fish on site since April. Fish sampled for VMD appeared healthy both externally and internally. Lice loads currently low.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|------------------------|---|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="16"/> | Facilities stocked | <input type="text" value="12"/> | No facilities inspected | <input type="text" value="16"/> |
| Species | <input type="text" value="SAL"/> | | | | |
| Age group | <input type="text" value="2018 S1"/> | | | | |
| No Fish | <input type="text" value="571,627"/> | | | | |
| Mean Fish Wt | <input type="text" value="595g"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="December 2019"/> | Next Input Date (Site) | <input type="text" value="April 2020"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

| | | |
|--|--------------------------|---|
| 1. Recent treatments (last 4 wks)? | <input type="checkbox"/> | Y |
| If yes, detail: | H2O2, T.M.S. | |
| If other, detail: | | |
| 2. Medicines records available for inspection? | <input type="checkbox"/> | Y |
| 3. Are records complete and correctly entered? | <input type="checkbox"/> | Y |
| 4. Are fish in a withdrawal period? | <input type="checkbox"/> | N |
| 5. If yes, what treatment(s)? | | |
| If other, detail: | | |
| 6. Are medicines stored appropriately? | <input type="checkbox"/> | Y |

Biosecurity Records

| | | |
|--|--------------------------|---|
| 1. Biosecurity records available for inspection? | <input type="checkbox"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| If no, detail: | | |

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"/> | N |
| If yes, detail (if not detailed under recent disease problems). | | |

| | |
|--|--|
| | |
|--|--|

Records checked between:

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 | | | | | | | | | | | | |
|----------------|--------|-----------|-----------|--|--|--|--|--|--|--|--|--|
| Fish nos | 1-2 | 3-4 | 5-6 | | | | | | | | | |
| Pool Group | | | | | | | | | | | | |
| Species | SAL | SAL | SAL | | | | | | | | | |
| Average weight | 0.5950 | 0.5950 | 0.5950 | | | | | | | | | |
| Sex | N/A | N/A | N/A | | | | | | | | | |
| Water Type | SW | SW | SW | | | | | | | | | |
| Stock Origin | Rysa | Garasdale | Garasdale | | | | | | | | | |
| Facility No | 1 | 14 | 16 | | | | | | | | | |

| | | | | | | |
|--|---|------------------------------------|---------------|-----------------|---------------|---------------|
| Case Number: | 2018-0354 | Site No: | FS1210 | Insp: | WJM | |
| Date of Visit | 14/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 10 |
| | Number of destinations | 0 | 3 | 6 | 10 | 3 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 2 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | |
| | Farm is on-line or in a coastal zone with category V farms upstream 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 processing | 0 | | | | |
| | Processing own fish (re-cycling risk) | 1 | | | | 1 |
| | Processing fish from MS of equivalent status | 2 | | | | |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | |
| | Processing fish from Category III farm | 8 | | | | |
| | Processing fish from Category V farm | 10 | | | | |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | |
| Biosecurity | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 2 | | 2 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | |
| Total Rank | | | | | 23 | MEDIUM |

Case No: **2018-0354**

Site No: **FS1210**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

M.M.L., Tensioned Nets, Top Nets, Traps

If other, detail below:

sapphire Sealpro nets

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0354

Site No: FS1210

Date of Visit: 14/08/2018

Inspector: WJM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

Site No: FS1210

Case No: 2018-0354

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



██████████
Cooke Aquaculture Scotland Ltd
Crowness Road
Hatston Kirkwall
Orkney
KW15 1RG
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|---------------|----------------------|------------|
| BUSINESS No | FB0095 | DATE OF VISIT | 14/08/2018 |
| SITE No | FS1210 | SITE NAME | Vestness |
| INSPECTOR | Warren Murray | CASE No | 20180354 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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.

R25

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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

Signed:



Date: 27/08/2018

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

Case No: 2018-0355 Date of visit: 14/08/2018

Time spent on site: 1 Hr Main Inspector: WJM

Site No: SS0185 Site Name: Bay of Skail
Business No: SB0121 Business Name: Orkney Oysters

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 13.5 Thermometer No: T274 FHI 045 completed

Observations: Region: OR Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N

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

[Empty text box for visit detail reason]

Additional Case Information:

All mortalities are to be recorded and will be disinfected before being disposed of. All stock will be going straight for human consumption, none for relaying at other locations.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|--------------------------------------|----------------------------------|--|----------------------------------|
| Total No facilities | <input type="text" value="540"/> | Facilities stocked | <input type="text" value="182"/> | No facilities inspected | <input type="text" value="540"/> |
| Species | <input type="text" value="CGI"/> | <input type="text" value="CGI"/> | | | |
| Age group | <input type="text" value="2018"/> | <input type="text" value="2018"/> | | | |
| No Fish | <input type="text" value="610,139"/> | <input type="text" value="159,900"/> | | | |
| Mean Fish Wt | <input type="text" value="10mm"/> | <input type="text" value="10mm"/> | | | |
| Next Fallow Date (Site) | <input type="text" value="never fallow"/> | | Next Input Date (Site) | <input type="text" value="May/June 2019"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

| |
|----------------------|
| <input type="text"/> |
|----------------------|

Records checked between:

| | | | |
|---|---|------------|----------------------------------|
| Case Number: | 2018-0355 | Site No: | SS0185 |
| Date of Visit | 14/08/2018 | Inspector: | WJM |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 0 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 5 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | Number of destinations | 0 | 3 |
| | | | 6 |
| | | | 6 |
| | | | 0 |
| | | | 0 |
| | | | 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 |
| | Depuration of stock from other businesses sites within MSS management area | 0 | 2 |
| | Depuration of stock from sites outwith MSS management area | 0 | 4 |
| | | | 2 |
| | | | 6 |
| | | | 8 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Biosecurity | | | |
| | Number of sites | 1 | 2 or 3 |
| | | | ≥ 4 |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 |
| | Sites sharing staff and equipment | 0 | 1 |
| | | | |
| | | | 5 |
| | | Yes | No |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | 2 |
| | | | 0 |
| | | | 0 |
| Total Risk | | | 13 |
| | | | LOW |

| |
|---|
| Site No: SS0185 |
| Case No: 2018-0355 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



Case No: 2018-0355 Date of visit: 14/08/2018

Site No: SS0185 Inspector: WJM

| Results Summary | Freq. | Date of Notification | | | | | | |
|-----------------|-------|----------------------|------|-------|------|---------|------|----------------------|
| | | Database | Insp | Phone | Insp | Writing | Insp | 2 nd Insp |
| | | | | | | | | |
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| Report Summary | | | |
|----------------|------------|------|----------------------|
| Case Type | Date | Insp | 2 nd Insp |
| ECl | 27/08/2018 | WJM | ASM |
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Orkney Oysters
Seaquoys
Westray
Orkney
KW17 2DN

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|---------------|----------------------|--------------|
| BUSINESS No | SB0121 | DATE OF VISIT | 14/08/2018 |
| SITE No | SS0185 | SITE NAME | Bay of Skail |
| INSPECTOR | Warren Murray | CASE No | 20180355 |

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 fourth 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.

Signed:



Date: 27/08/2018

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

| | | | | | | |
|---|--|--|---|------------------------------------|---------------------------------|---------------------------------|
| Case No: | <input type="text" value="2018-0356"/> | Date of visit: | <input type="text" value="15/08/2018"/> | | | |
| Time spent on site: | <input type="text" value="3 Hrs"/> | Main Inspector: | <input type="text" value="WJM"/> | | | |
| Site No: | <input type="text" value="FS0993"/> | Site Name: | <input type="text" value="Chalmers Hope"/> | | | |
| Business No: | <input type="text" value="FB0095"/> | Business Name: | <input type="text" value="Cooke Aquaculture Scotland Ltd"/> | | | |
| Case Types: | 1 <input type="text" value="ECI"/> | 2 <input type="text" value="CNI"/> | 3 <input type="text" value="SLI"/> | 4 <input type="text" value="VMD"/> | 5 <input type="text" value=""/> | 6 <input type="text" value=""/> |
| Water Temp (°C): | <input type="text" value="13.6"/> | Thermometer No: | <input type="text" value="T274"/> | FHI 045 completed | <input type="text" value=""/> | |
| Observations: | Region: | OR | Water type: | S | CoGP MA: | O-3 |
| Dead/weak/abnormally behaving fish present? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Clinical signs of disease observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Gross pathology observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Diagnostic samples taken? | <input type="text" value="N"/> | | | | | |

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

Additional Case Information:

Fish only on site since 30th June 2018. All mortalities put down to poor doers. Fish sampled for VMD appeared healthy.

L. salmonis levels on site currently at 0 adult female lice per fish. *C. elongatus* levels on site are low.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|------------------------|---|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="12"/> | Facilities stocked | <input type="text" value="8"/> | No facilities inspected | <input type="text" value="12"/> |
| Species | <input type="text" value="SAL"/> | | | | |
| Age group | <input type="text" value="2017 S0"/> | | | | |
| No Fish | <input type="text" value="443,382"/> | | | | |
| Mean Fish Wt | <input type="text" value="1.2Kg"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="February 2019"/> | Next Input Date (Site) | <input type="text" value="June/July 2019"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)? Y

If yes, detail:

If other, detail:

2. Medicines records available for inspection? Y

3. Are records complete and correctly entered? Y

4. Are fish in a withdrawal period? Y

5. If yes, what treatment(s)? Y

If other, detail:

6. Are medicines stored appropriately? Y

Biosecurity Records

1. Biosecurity records available for inspection? Y

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included? Y

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers? Y

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? Y

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? Y

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y

8. Have the biosecurity procedures been adequately implemented on site? Y

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection? Y

3. Any significant results? Y

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

Records checked between:

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 | | | | | | | | | | | | |
| Fish nos | 1 | 2-3 | | | | | | | | | | |
| Pool Group | | | | | | | | | | | | |
| Species | SAL | SAL | | | | | | | | | | |
| Average weight | 1.2000 | 1.2000 | | | | | | | | | | |
| Sex | N/A | N/A | | | | | | | | | | |
| Water Type | SW | SW | | | | | | | | | | |
| Stock Details | | | | | | | | | | | | |
| | | Pegal Bay | Pegal Bay | | | | | | | | | |
| Stock Origin | | | | | | | | | | | | |
| Facility No | 3 | 8 | | | | | | | | | | |

Additional Sample Information:

Total Tests assigned

| | | | | | | |
|--|---|-----------------------------|---------------|-----------------|---------------|---------------|
| Case Number: | 2018-0356 | Site No: | FS0993 | Insp: | WJM | |
| Date of Visit | 15/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 3 |
| | Number of destinations | 0 | 3 | 6 | 10 | 3 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 4 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | |
| | Farm is on-line or in a coastal zone with category V farms upstream 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 processing | 0 | | | | |
| | Processing own fish (re-cycling risk) | 1 | | | | 1 |
| | Processing fish from MS of equivalent status | 2 | | | | |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | |
| | Processing fish from Category III farm | 8 | | | | |
| | Processing fish from Category V farm | 10 | | | | |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | |
| Biosecurity | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 2 | | 2 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | |
| Total Rank | | | | | 18 | MEDIUM |

Case No: **2018-0356**

Site No: **FS0993**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis levels* have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

False net bottom, M.M.L., Tensioned Nets, Top Nets

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0356

Site No: FS0993

Date of Visit: 15/08/2018

Inspector: WJM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

Site No: FS0993

Case No: 2018-0356

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology



Case No: Date of visit:
 Site No: Inspector:

| Results Summary | Freq. | Date of Notification | | | | | | |
|-----------------|-------|----------------------|------|-------|------|---------|------|----------------------|
| | | Database | Insp | Phone | Insp | Writing | Insp | 2 nd Insp |
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| Report Summary | | | |
|-----------------|------------|------|----------------------|
| Case Type | Date | Insp | 2 nd Insp |
| ECI/CNI/SLI/VMD | 27/08/2018 | WJM | ASM |
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██████████
Cooke Aquaculture Scotland Ltd
Crowness Road
Hatston Kirkwall
Orkney
KW15 1RG
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|---------------|----------------------|---------------|
| BUSINESS No | FB0095 | DATE OF VISIT | 15/08/2018 |
| SITE No | FS0993 | SITE NAME | Chalmers Hope |
| INSPECTOR | Warren Murray | CASE No | 20180356 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

R25

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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

Signed:



Date: 27/08/2018

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

Case No: 2018-0357 Date of visit: 14/08/2018

Time spent on site: 4 hours Main Inspector: ALW

Site No: FS1254 Site Name: Outer Eport

Business No: FB0169 Business Name: The Scottish Salmon Company

Case Types: 1 REP 2 DIA 3 4 5 6

Water Temp (°C): 13.3 Thermometer No: T148 FHI 045 completed

Observations: Region: WI Water type: S CoGP MA: W-13

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

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

Gross pathology observed? Y 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:

Company reported increase in mortalities following a peroxide treatment in week 30 (w/b 23/7/18). Two cages (7 & 8) were treated with peroxide in a wellboat as preventative treatment for AGD. Treatment stopped after these two cages as fish were not reacting well to the process.

Mortalities had been low prior to this, but lost 17.69% (10,491) of the stock from these two cages over the following few days (mortality level for rest of site of the same two weeks was 255 fish). No indication of any serious health issues prior to the treatment. Report from samples taken after the treatment showed relatively low levels of gill disease suggestive of a waterborne insult from plankton or jellyfish and nothing to indicate why there was such an adverse reaction to the treatment. Since the treatment there has been a huge influx of caligus onto the site. Fish are to be transferred to Treanay during this week and will be treated with salmosan during the transfer, with slice afterwards. Lice levels on the site have been very low with the last treatment in January with slice.

Fish are being transferred to Treanay (currently fallow) to allow site an 8 week fallow before transfer of growers from Vacasay in Loch Roag. Some of these fish will be selected for broodstock as they are Native Hebridean stock.

Have been grading weekly at the site. Fish have been in excellent condition with superior harvest percentage in the high 90s (98% in first harvest). Due to caligus influx and damage to the fish (blood spotting on flanks), latest harvest was 100% ordinary.

On site there were a number of dark, lethargic fish in the cages (estimate 20-40 per cage with 7 and 8 worst affected). These fish had very high caligus loads. Some of the fish appeared to have suffered some physical damage during the treatment. Staff are endeavouring to actively remove these fish. Five fish removed for diagnostic sampling.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|------------------------|---|-------------------------|--------------------------------|
| Total No facilities | <input type="text" value="8"/> | Facilities stocked | <input type="text" value="7"/> | No facilities inspected | <input type="text" value="8"/> |
| Species | <input type="text" value="SAL"/> | | | | |
| Age group | <input type="text" value="2017 S1"/> | | | | |
| No Fish | <input type="text" value="138,489"/> | | | | |
| Mean Fish Wt | <input type="text" value="3.36Kg"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="August 2018"/> | Next Input Date (Site) | <input type="text" value="October 2018"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

| | | |
|--|--------------------------|---|
| 1. Recent treatments (last 4 wks)? | <input type="checkbox"/> | Y |
| If yes, detail: | H2O2, T.M.S. | |
| If other, detail: | | |
| 2. Medicines records available for inspection? | <input type="checkbox"/> | Y |
| 3. Are records complete and correctly entered? | <input type="checkbox"/> | Y |
| 4. Are fish in a withdrawal period? | <input type="checkbox"/> | Y |
| 5. If yes, what treatment(s)? | T.M.S. | |
| If other, detail: | | |
| 6. Are medicines stored appropriately? | <input type="checkbox"/> | Y |

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: | |

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). | low level gill disease suggestive of waterborne insult | |

Records checked between:

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 | P1 | | | | | | | |
|----------------|--------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|--|--|--|--|--|
| Fish nos | 1 | 2 | 3 | 4 | 5 | 1-5 | | | | | | | |
| Pool Group | P1 | P1 | P1 | P1 | P1 | | | | | | | | |
| Species | SAL | SAL | SAL | SAL | SAL | SAL | | | | | | | |
| Average weight | 3Kg | 3Kg | 3Kg | 3Kg | 2kg | 3Kg | | | | | | | |
| Sex | N/A | N/A | N/A | N/A | N/A | N/A | | | | | | | |
| Water Type | SW | SW | SW | SW | SW | SW | | | | | | | |
| Stock Details | Stock Origin | Harris Lochs (Huamavat/Langavat) | Harris Lochs (Huamavat/Langavat) | Harris Lochs (Huamavat/Langavat) | Harris Lochs (Huamavat/Langavat) | Harris Lochs (Huamavat/Langavat) | Harris Lochs (Huamavat/Langavat) | | | | | | |
| | Facility No | 8 | 8 | 7 | 7 | 7 | 7 & 8 | | | | | | |

08/2018

Additional Sample Information:

Hearts in separate histology pots

6

Total Tests assigned

3

| | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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Case no: 2018-0357

Site No: FS1254

Method of killing: Percussive

Date of visit: 14/08/2018

Inspector(s): ALW

Sheet Relevant: Y

S for strong presence: M for medium presence: W for weak presence

| Fish Number | | 1 | 2 | 3 | 4 | 5 | | | | |
|--|-----------------------|------|------|------|------|------|--|--|--|--|
| Time sampled after death (if > 45 minutes) | | 40 | 40 | 40 | 40 | 40 | | | | |
| External Signs | | | | | | | | | | |
| Behaviour | Moribund | | | | | | | | | |
| | Lethargic | M | M | M | M | M | | | | |
| | Hanging vertical | | M | | | | | | | |
| | Spiralling | | | | | | | | | |
| | Flashing | | | | | | | | | |
| | Loss of equilibrium | | | | | | | | | |
| Body | Dark | M | M | M | M | M | | | | |
| | Distended abdomen | | | | | | | | | |
| | Anorexic | | | | | | | | | |
| | Scale Oedema | | | | | | | | | |
| Opercula | Shortened | | | | | | | | | |
| | Flared | | | | | | | | | |
| Haemorrhaging | Throat | | | | | | | | | |
| | Ventrum | | M | M | S | M | | | | |
| | Base of fins | | | | | | | | | |
| | Elsewhere | | | | | | | | | |
| Eyes | Exophthalmic | | | | | | | | | |
| | Enophthalmic (sunken) | | | | | | | | | |
| | Cataract | | | | | | | | | |
| | Haemorrhagic | | | | | | | | | |
| Gills | Pale | | | | | M | | | | |
| | Zoned | | | | | | | | | |
| | Necrotic | | | | | | | | | |
| Lesions | Flank | | | | | | | | | |
| | Elsewhere | | | | | | | | | |
| Vent | Inflamed | | | | | | | | | |
| | Trailing faeces | | | | | | | | | |
| Lice Load | Estimate numbers | High | High | High | High | High | | | | |
| Internal Signs | | | | | | | | | | |
| Ascites | Clear | | | | | | | | | |
| | Bloody | | | | | M | | | | |
| Oedema | In tissues | | | | | | | | | |
| Heart | Pale/anaemic | | | | | W | | | | |
| | Granulomas | | | | | | | | | |
| | Deformed | | | | | | | | | |
| Liver | Petechial haem | | | | | | | | | |
| | Gross haem | | | W | | | | | | |
| | Tissue breakdown | | | | | | | | | |
| | Enlarged | | | | | | | | | |
| | Colour number(s) | | | | | | | | | |
| | Granulomas | | | | | | | | | |
| | Lesions | | | | | | | | | |
| Pyloric caeca | Petechial haem | | | | | | | | | |
| | Tubules mauve | | | | | | | | | |
| | Lack of fat | | | | | | | | | |
| Spleen | Enlarged | | | | | | | | | |
| | Granulomas | | | | | | | | | |
| Gut | No food present | | M | | | | | | | |
| | Yellow pseudo-faeces | M | | M | M | M | | | | |
| | External haem | | | | | | | | | |
| | Internal haem | | | | | | | | | |
| Body wall | Haemorrhaging | | | | | | | | | |
| Swim bladder | Haemorrhaging | | | | | | | | | |
| | Fluid filled | | | | | | | | | |
| Kidney | Swollen | | | | | | | | | |
| | Grey | | | | | W | | | | |
| | Granular | | | | | | | | | |
| | Liquefied | | | | | | | | | |
| General | Parasites present | | | | | | | | | |
| | Anaemia | | | | | | | | | |

Case no: 2018-0357

Date of visit: 14/08/2018

S for strong presence: M for medium presence: W for w

| | | | | | | | | | | | | | | |
|--|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Fish Number | | | | | | | | | | | | | | |
| Time sampled after death (if > 45 minutes) | | | | | | | | | | | | | | |
| External Signs | | | | | | | | | | | | | | |
| Behaviour | Moribund | | | | | | | | | | | | | |
| | Lethargic | | | | | | | | | | | | | |
| | Hanging vertical | | | | | | | | | | | | | |
| | Spiralling | | | | | | | | | | | | | |
| | Flashing | | | | | | | | | | | | | |
| | Loss of equilibrium | | | | | | | | | | | | | |
| Body | Dark | | | | | | | | | | | | | |
| | Distended abdomen | | | | | | | | | | | | | |
| | Anorexic | | | | | | | | | | | | | |
| | Scale Oedema | | | | | | | | | | | | | |
| Opercula | Shortened | | | | | | | | | | | | | |
| | Flared | | | | | | | | | | | | | |
| Haemorrhaging | Throat | | | | | | | | | | | | | |
| | Ventrum | | | | | | | | | | | | | |
| | Base of fins | | | | | | | | | | | | | |
| | Elsewhere | | | | | | | | | | | | | |
| Eyes | Exophthalmic | | | | | | | | | | | | | |
| | Enophthalmic (sunken) | | | | | | | | | | | | | |
| | Cataract | | | | | | | | | | | | | |
| | Haemorrhagic | | | | | | | | | | | | | |
| Gills | Pale | | | | | | | | | | | | | |
| | Zoned | | | | | | | | | | | | | |
| | Necrotic | | | | | | | | | | | | | |
| Lesions | Flank | | | | | | | | | | | | | |
| | Elsewhere | | | | | | | | | | | | | |
| Vent | Inflamed | | | | | | | | | | | | | |
| | Trailing faeces | | | | | | | | | | | | | |
| Lice Load | Estimate numbers | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Internal Signs | | | | | | | | | | | | | | |
| Ascites | Clear | | | | | | | | | | | | | |
| | Bloody | | | | | | | | | | | | | |
| Oedema | In tissues | | | | | | | | | | | | | |
| Heart | Pale/anaemic | | | | | | | | | | | | | |
| | Granulomas | | | | | | | | | | | | | |
| | Deformed | | | | | | | | | | | | | |
| Liver | Petechial haem | | | | | | | | | | | | | |
| | Gross haem | | | | | | | | | | | | | |
| | Tissue breakdown | | | | | | | | | | | | | |
| | Enlarged | | | | | | | | | | | | | |
| | Colour number(s) | | | | | | | | | | | | | |
| | Granulomas | | | | | | | | | | | | | |
| | Lesions | | | | | | | | | | | | | |
| Pyloric caeca | Petechial haem | | | | | | | | | | | | | |
| | Tubules mauve | | | | | | | | | | | | | |
| | Lack of fat | | | | | | | | | | | | | |
| Spleen | Enlarged | | | | | | | | | | | | | |
| | Granulomas | | | | | | | | | | | | | |
| Gut | No food present | | | | | | | | | | | | | |
| | Yellow pseudo-faeces | | | | | | | | | | | | | |
| | External haem | | | | | | | | | | | | | |
| | Internal haem | | | | | | | | | | | | | |
| Body wall | Haemorrhaging | | | | | | | | | | | | | |
| Swim bladder | Haemorrhaging | | | | | | | | | | | | | |
| | Fluid filled | | | | | | | | | | | | | |
| Kidney | Swollen | | | | | | | | | | | | | |
| | Grey | | | | | | | | | | | | | |
| | Granular | | | | | | | | | | | | | |
| | Liquefied | | | | | | | | | | | | | |
| General | Parasites present | | | | | | | | | | | | | |
| | Anaemia | | | | | | | | | | | | | |

Additional comments:

Fish 1, 2 & 4 were starting to mature

Fish 2, 3 and 4 had damaged/missing eyes

Fish 2 & 4 had some small white patches on gills and fish 1 had some slight haemorrhaging on the gills

All fish had very high caligus numbers when removed from the water

Site No: FS1254

Case No: 2018-0357

Nature of non-compliance:

Action taken (FHI):

Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology

| | | | |
|----------|------------------|----------------|-------------------|
| Case No: | 2018-0357 | Date of visit: | 14/08/2018 |
| Site No: | FS1254 | Inspector: | ALW |

| Results Summary | Freq. | Date of Notification | | | | | | |
|---------------------------|-------|----------------------|------|------------|------|------------|------|----------------------|
| | | Database | Insp | Phone | Insp | Writing | Insp | 2 nd Insp |
| ISA PCR | 0/1 | 17/08/2018 | ALW | 17/08/2018 | ALW | 28/09/2018 | ALW | AJW |
| IPN PCR | 0/1 | 17/08/2018 | ALW | 17/08/2018 | ALW | 28/09/2018 | ALW | AJW |
| VHS PCR | 0/1 | 17/08/2018 | ALW | 17/08/2018 | ALW | 28/09/2018 | ALW | AJW |
| IHN PCR | 0/1 | 17/08/2018 | ALW | 17/08/2018 | ALW | 28/09/2018 | ALW | AJW |
| SAV PCR | 1/1 | 17/08/2018 | ALW | 17/08/2018 | ALW | 28/09/2018 | ALW | AJW |
| GPAT | 4/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| Complex gill issues | 4/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| SPAT | 1/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| LPAT | 2/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| PPAT | 1/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| SAV histology | 1/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| AGDQ | 4/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| Paranucleospora theridion | 4/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| Gill pox | 5/5 | 29/08/2018 | ASM | 29/08/2018 | ASM | 28/09/2018 | ALW | AJW |
| Vibrio species | 1/5 | 07/09/2018 | ALW | | | 28/09/2018 | ALW | AJW |
| No significant bacteria | 5/5 | 07/09/2018 | ALW | | | 28/09/2018 | ALW | AJW |
| | | | | | | | | |
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| Report Summary | | | |
|----------------|------------|------|----------------------|
| Case Type | Date | Insp | 2 nd Insp |
| REP/DIA | 28/09/2018 | ALW | AJW |
| | | | |
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[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|----------------|----------------------|-------------|
| BUSINESS No | FB0169 | DATE OF VISIT | 14/08/2018 |
| SITE No | FS1254 | SITE NAME | Outer Eport |
| INSPECTOR | Andrea Warwick | CASE No | 20180357 |

Section 1: Summary

The above site was inspected, following a report from the company of a recent increase in mortality post treatment. A number of dark, lethargic fish were observed across the site. Five fish were removed for further examination and subsequent diagnostic sampling.

Histopathology examination revealed mild gill pathology and moderate vascular gill damage. Presence of plankton structures was also noted. Fish 3 also showed features resembling an early stage of pancreas disease (PD) and the sample tested positive by QPCR for salmonid alphavirus, the causative agent of PD. Hepatic and splenic necrosis and minimal cardiomyopathy were also noted.

Due to the gill health issues reported on site, samples were screened for salmon gill poxvirus, *Neoparamoeba perurans* (causative agent of amoebic gill disease) and *Paranucleospora theridion* (syn, *Desmozoon lepeophtherii*) by QPCR. Samples tested positive for all three pathogens.

A *Vibrio* sp. was also isolated. The level and purity of growth would not suggest these bacteria are implicated in current fish morbidity.

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

Section 2: Case Detail

Observations

The above site was inspected, following a report from the company of a recent increase in mortality post treatment. The site was stocked with 138,489 2007 S1 Atlantic salmon at 3.36 kg average weight.

R09

Mortality levels had been low over the preceding few weeks (range from 0.02% to 0.07%), but had risen in week 30 to 4.04% (7,025) and 2.37% in week 31 (3,721). The majority of the mortalities occurred in cages 7 and 8 following a treatment with hydrogen peroxide. The mortality level for the site had reduced to 0.19% in week 32. Samples taken post treatment indicated that there were low levels of gill disease suggestive of a waterborne insult from plankton or jellyfish.

A number of dark, lethargic fish were observed across the site. Five fish were removed for further examination and subsequent diagnostic sampling.

Fish 1 to 5 were dark and fish 2 was hanging vertically in the water. Fish 1 to 5 had high numbers of *Caligus* and fish 2 to 5 had some haemorrhaging along the ventrum possibly associated with the high numbers of *Caligus*.

Fish 1 had petechial haemorrhages on the gills. Fish 5 had pale gills and fish 2 and 4 had small white patches on the gills.

Internally there was gross haemorrhaging on the liver of fish 3. Fish 2 had no feed in its gut and fish 1, 3, 4 and 5 had yellow pseudo-faeces. Fish 5 had bloody ascites in the body cavity, the heart was slightly pale and the kidney was grey.

Samples

Samples were collected from five fish according to the table below:

| Fish number | Pool number | Facility number | Species | Stage | Origin |
|-------------|-------------|-----------------|-----------------|---------|--------------|
| 1 & 2 | P1 | 8 | Atlantic salmon | 2017 S1 | Harris Lochs |
| 3-5 | P1 | 7 | Atlantic salmon | 2017 S1 | Harris Lochs |

Results

Bacteriology: Kidney and gill material from fish 1 to 5 was inoculated onto appropriate media for the isolation of bacteria.

The following bacterium was isolated:

Vibrio sp. (kidney of fish 5)

Virology: Tissue samples were tested for segments of nucleic acid indicative of the presence of the pathogens specified below using real-time PCR (QPCR).

Salmonid alphavirus (SAV)

| Pool Number | Endogenous control Cp value | Cp Values | | | Reported Result (PCR) |
|-------------|-----------------------------|-----------|-------|-------|-----------------------|
| P1 | 14.19 | 27.10 | 26.45 | 26.58 | POSITIVE |

Salmon gill poxvirus

| Fish Number | Endogenous control Cp value | Cp Values | | | Reported Result (PCR) |
|-------------|-----------------------------|-----------|-------|-------|-----------------------|
| F1 | 20.09 | 37.71 | 37.50 | 36.24 | POSITIVE |
| F2 | 20.93 | 35.41 | 36.41 | 39.10 | POSITIVE |
| F3 | 21.46 | 30.21 | 30.46 | 30.12 | POSITIVE |
| F4 | 20.40 | 35.74 | 35.88 | 36.23 | POSITIVE |
| F5 | 19.91 | 24.64 | 24.71 | 24.73 | POSITIVE |

The samples tested negative for infectious haematopoietic necrosis virus (IHNV), infectious pancreatic necrosis virus (IPNV), infectious salmon anaemia virus (ISAV) and viral haemorrhagic septicemia virus (VHSV).

Parasitology:

Tissue samples were tested for segments of nucleic acid indicative of the presence of the parasites specified below using real-time PCR (QPCR).

Neoparamoeba perurans (AGD)

| Fish Number | Endogenous control Cp value | Cp Values | | | Reported Result (PCR) |
|-------------|-----------------------------|-----------|-------|-------|-----------------------|
| F1 | 20.09 | 32.46 | 32.05 | 32.84 | POSITIVE |
| F2 | 20.93 | 31.80 | 31.85 | 32.07 | POSITIVE |
| F3 | 21.46 | 31.93 | 32.27 | 32.30 | POSITIVE |
| F4 | - | - | - | - | Negative |
| F5 | 19.91 | 34.51 | 34.33 | 35.04 | POSITIVE |

Paranucleospora theridion

| Fish Number | Endogenous control Cp value | Cp Values | | | Reported Result (PCR) |
|-------------|-----------------------------|-----------|-------|-------|-----------------------|
| F1 | 20.09 | 27.86 | 28.11 | 28.07 | POSITIVE |
| F2 | 20.93 | 36.70 | 36.79 | 35.61 | POSITIVE |
| F3 | 21.46 | 31.89 | 31.64 | 30.01 | POSITIVE |
| F4 | - | - | - | - | Negative |
| F5 | 19.91 | 29.34 | 29.29 | 29.32 | POSITIVE |

Histology: Tissue samples of gill, skin and skeletal muscle, heart, pyloric caeca, pancreas, hind gut, liver, spleen and kidney were taken from fish 1 to 5. The tissue samples were fixed in 10% neutral buffered formalin.

Histopathological examination revealed the following:

Gill: Widespread lamellar epithelial thickness, congestion and oedema (F1, F2, F4). Mild multifocal interlamellar hyperplasia with spaces (lacunae) occasionally filled with cell debris and lamellar fusion (F1, F4). Several aneurysmal dilation/telangiectasia/lamellar thrombi (F1, F2, F3, F4) and free blood and two unknown zooplankton structures among gill filaments (F1) were noted.

Skin & Muscle: Within the normal range.

Heart: Few small foci of basophilic nuclei and occasional fibre degeneration at the vicinity (F1).

Gut and pyloric caeca: Within the normal range.

Pancreas: Scattered small pockets of pancreatic acinar cell necrosis (F3).

Liver: Mild diffuse hepatocyte vacuolation (F1, F3), mild multifocal hepatocyte haemorrhagic necrosis (F3) and multifocal hepatocyte necrosis.

Kidney: Within the normal range.

Spleen: Mild multifocal necrosis (F1).

Signed:



Fish Health Inspector

Date: 28/09/2018

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

Outer Eport – 20180357



Fish 1-5



Caligus

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
 Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: WI Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

New site registered October 2017

Mainly transfer stock here from raft and longline sites for hardening, removing sea squirts and on-growing to harvest size. Currently harvesting ~10,000 shells per week, but ideally want to harvest ~750,000 per annum so would like to increase production. Site is class A so no need to depurate stock.

Have increased number of shells in each bag as found that if there were too few, they were being moved around in the bags too much and damaged.

Small percentage of mortality post transfer from the rafts/longlines until shells are hardened.

Shells appeared to be in good condition. Very few sea squirts left on stock recently transferred.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|------------------------|--|-------------------------|----------------------------------|
| Total No facilities | <input type="text" value="460"/> | Facilities stocked | <input type="text" value="~350"/> | No facilities inspected | <input type="text" value="460"/> |
| Species | <input type="text" value="CGI"/> | | | | |
| Age group | <input type="text" value="2013-205"/> | | | | |
| No Fish | <input type="text" value="317,000"/> | | | | |
| Mean Fish Wt | <input type="text" value="30-75g"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="None planned"/> | Next Input Date (Site) | <input type="text" value="August 2018"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection? Y

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included? Y

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers? Y

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? Y

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? Y

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y

8. Have the biosecurity procedures been adequately implemented on site? Y

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

| | | | | | |
|---|---|------------|-----------------------------|----------------------------------|----|
| Case Number: | 2018-0358 | Site No: | SS0913 | | |
| Date of Visit | 15/08/2018 | Inspector: | ALW | | |
| Number of Susceptible species on site | | | | | |
| If no susceptible species present = LOW risk | | | | | |
| If susceptible species present, score for each pathogen | | | | | |
| | | No | Yes | | |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 | 0 | |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 | 0 | |
| Susceptible to OshV (CGI) | | 0 | 3 | 3 | |
| Sites within a tidal excursion | | | | | |
| | | 1 | 2-5 | >6 | |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 | 10 | 10 |
| Live shellfish movements | | | | | |
| | | 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 | 10 |
| | Number of suppliers | 0 | 5 | 10 | 5 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 | 2 | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 | 6 | 0 |
| | 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 | Sites operating from single shorebase | 0 | 1 | 2 | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 5 | 5 |
| | | | Yes | No | |
| | Disinfection of equipment between sites, use of footbaths etc | | 0 | 2 | 2 |
| Total Risk | | | | 42 | |
| | | | | HIGH | |

Traigh Mhor Oysters
27a Eoligarry
Isle of Barra
HS9 5YD

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|----------------|----------------------|------------|
| BUSINESS No | SB0533 | DATE OF VISIT | 15/08/2018 |
| SITE No | SS0913 | SITE NAME | Ard Mhor |
| INSPECTOR | Andrea Warwick | CASE No | 20180358 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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: 17/08/2018

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

Case No: 2018-0359 Date of visit: 15/08/2018

Time spent on site: 20 minutes Main Inspector: ALW

Site No: SS0858 Site Name: Loch na H-Obbe
Business No: SB0533 Business Name: Traigh Mhor Oysters

Case Types: 1 REG 2 3 4 5 6

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

Observations: Region: WI Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
Gross pathology observed? If yes, see additional information/clinical score sheet.
Diagnostic samples taken?

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

[Empty text box for visit detail reason]

Additional Case Information:

Site currently fallow and upwelling rafts removed, only two rafts left on site. All of stock was moved to Morcambe Bay Oysters (~2,000,000 shells at 1-2g) in June 2018. No spat taken by the company in 2018 and no plans to restock site in immediate future.

Normally experienced 50% mortality in spat (3-6mm sourced from Guernsey Sea Farms).

No boat available to inspect site.

Case No: **2018-0359** Site No: **SS0858**
 Date of Visit: **15/08/2018** Inspector(s): **ALW**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|------------|------------------------|---------------------------------------|-------------------------|----------|
| Total No facilities | 2 | Facilities stocked | 0 | No facilities inspected | 0 |
| Species | N/A | | | | |
| Age group | | | | | |
| No Fish | | | | | |
| Mean Fish Wt | | | | | |
| Next Fallow Date (Site) | N/A | Next Input Date (Site) | Not certain - long term fallow | | |

Recent (last 4 wks) disease problems? N/A Any escapes (since last visit)? N/A
 If yes, detail:

Movement Records

- 1. Movement records available for inspection? Y
- 2. Date of last inspection: **23/05/2017**
- 3. Are records complete and correctly entered? Y
- 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? Y

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? Y
- 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Empty shells crushed and used on road**
- 3. Mortality records complete and correctly entered? N/A
- 4. Recent mortality (last 4 wks): **Site fallow**
- 5. Evidence of recent increased/atypical 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:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? N/A
 If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. N/A

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

| | | | |
|---|---|------------|----------------------------------|
| Case Number: | 2018-0359 | Site No: | SS0858 |
| Date of Visit | 15/08/2018 | Inspector: | ALW |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | Number of suppliers | 0 | 5 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | Number of destinations | 0 | 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 |
| | Depuration of stock from other businesses sites within MSS management area | 0 | 2 |
| | Depuration of stock from sites outwith MSS management area | 0 | 4 |
| Biosecurity | | | |
| | Number of sites | 1 | 2 or 3 |
| | | | ≥ 4 |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 |
| | Sites sharing staff and equipment | 0 | 1 |
| | | | Yes |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| Total Risk | | | 55 |
| | | | HIGH |

██████████
Traigh Mhor Oysters
27a Eoligarry
Isle of Barra
HS9 5YD
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|----------------|----------------------|----------------|
| BUSINESS No | SB0533 | DATE OF VISIT | 15/08/2018 |
| SITE No | SS0858 | SITE NAME | Loch na H-Obbe |
| INSPECTOR | Andrea Warwick | CASE No | 20180359 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

The site was reported to be fallow.

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.

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: 17/08/2018

R10

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

R10

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 01224 295620 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:

Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: WI Water type: S CoGP MA:

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

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

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

Diagnostic samples taken?

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

Additional Case Information:

Site has never been stocked since registered in March 2014. No facilities in the water, but have permission for two longlines and two rafts with hanging baskets. No plans to stock in the near future.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|---------------------------------------|----------------------------------|------------------------|---|----------------------------------|--------------------------------|
| Total No facilities | <input type="text" value="0"/> | Facilities stocked | <input type="text" value="0"/> | No facilities inspected | <input type="text" value="0"/> |
| Species | <input type="text" value="N/A"/> | | | | |
| Age group | <input type="text"/> | | | | |
| No Fish | <input type="text"/> | | | | |
| Mean Fish Wt | <input type="text"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="N/A"/> | Next Input Date (Site) | <input type="text" value="No immediate plans"/> | | |
| Recent (last 4 wks) disease problems? | <input type="text" value="N/A"/> | | Any escapes (since last visit)? | <input type="text" value="N/A"/> | |
| If yes, detail: | <input type="text"/> | | | | |

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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N/A |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

| |
|----------------------|
| <input type="text"/> |
|----------------------|

Records checked between:

| | | | | | |
|---|---|------------|-----------------------------|----------------------------------|----|
| Case Number: | 2018-0360 | Site No: | SS0873 | | |
| Date of Visit | 15/08/2018 | Inspector: | ALW | | |
| Number of Susceptible species on site | | | | | |
| If no susceptible species present = LOW risk | | | | | |
| If susceptible species present, score for each pathogen | | | | | |
| | | No | Yes | | |
| | Susceptible to Bonamia ostrea (OED) | 0 | 25 | 0 | |
| | Susceptible to Marteilia refringens (OED, MED) | 0 | 3 | 0 | |
| | Susceptible to OshV (CGI) | 0 | 3 | 3 | |
| Sites within a tidal excursion | | | | | |
| | | 1 | 2-5 | >6 | |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 | 10 | 10 |
| Live shellfish movements | | | | | |
| | | 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 <u>within</u> MSS Management Areas | 0 | 1 | 2 | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 | 6 | 0 |
| | 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 | Sites operating from single shorebase | 0 | 1 | 2 | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 5 | 5 |
| | | | Yes | No | |
| | Disinfection of equipment between sites, use of footbaths etc | | 0 | 2 | 2 |
| Total Risk | | | | 27 | |
| | | | | MEDIUM | |

██████████
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██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|----------------|----------------------|----------------|
| BUSINESS No | SB0533 | DATE OF VISIT | 15/08/2018 |
| SITE No | SS0873 | SITE NAME | Rubha Mhicheil |
| INSPECTOR | Andrea Warwick | CASE No | 20180360 |

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.

Signed:



Date: 17/08/2018

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

Case No: 2018-0361 Date of visit: 15/08/2018

Time spent on site: 1 hour Main Inspector: ALW

Site No: SS0875 Site Name: Rubha Charnain

Business No: SB0533 Business Name: Traigh Mhor Oysters

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 13.5 Thermometer No: T148 FHI 045 completed

Observations: Region: WI Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N

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

Additional Case Information:

Site has five 100m lines with hanging baskets. Normally grow stock to ~30g before transfer to Ard Mhor for on-growing and hardening. Baskets are checked and graded every 6 weeks. Last year was bad for sea squirts, but better this year. Grading with drum grader can cause a few mortalities. Stock on site looked in good condition.

Case No: **2018-0361** Site No: **SS0875**
 Date of Visit: **15/08/2018** Inspector(s): **ALW**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---------------------|------------------------|------------------|-------------------------|----------|
| Total No facilities | 5 | Facilities stocked | 5 | No facilities inspected | 5 |
| Species | CGI | | | | |
| Age group | 2013/14/15 | | | | |
| No Fish | 1.18 million | | | | |
| Mean Fish Wt | 18-65g | | | | |
| Next Fallow Date (Site) | None planned | Next Input Date (Site) | Sept 2018 | | |

Recent (last 4 wks) disease problems? N Any escapes (since last visit)? N/A
 If yes, detail:

Movement Records

- 1. Movement records available for inspection? Y
- 2. Date of last inspection: **13/08/2014**
- 3. Are records complete and correctly entered? Y
- 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)?
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

- 1. Mortality records available for inspection? Y
- 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Empty shells crushed and used on road**
- 3. Mortality records complete and correctly entered? Y
- 4. Recent mortality (last 4 wks): **Very low numbers following grading**
- 5. Evidence of recent increased/atypical mortalities? N
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked? N
 If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? N/A
 If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. N/A

Treatments and Medicines Records

| | |
|--|--------------------------|
| 1. Recent treatments (last 4 wks)? | <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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

| |
|----------------------|
| <input type="text"/> |
|----------------------|

Records checked between:

| | | | |
|---|---|------------|----------------------------------|
| Case Number: | 2018-0361 | Site No: | SS0875 |
| Date of Visit | 15/08/2018 | Inspector: | ALW |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | Number of suppliers | 0 | 5 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | Number of destinations | 0 | 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 |
| | Depuration of stock from other businesses sites within MSS management area | 0 | 2 |
| | Depuration of stock from sites outwith MSS management area | 0 | 4 |
| Biosecurity | | | |
| | Number of sites | 1 | 2 or 3 |
| | | | ≥ 4 |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 |
| | Sites sharing staff and equipment | 0 | 1 |
| | | | Yes |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| Total Risk | | | 27 |
| | | | MEDIUM |

Traigh Mhor Oysters
27a Eoligarry
Isle of Barra
HS9 5YD

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|----------------|----------------------|----------------|
| BUSINESS No | SB0533 | DATE OF VISIT | 15/08/2018 |
| SITE No | SS0875 | SITE NAME | Rubha Charnain |
| INSPECTOR | Andrea Warwick | CASE No | 20180361 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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:

A black rectangular redaction box covering the signature of the Fish Health Inspector.

Date: 17/08/2018

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

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
 Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: WI Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

Site has two raft groups with hanging baskets (two sizes depending on size of stock). May swap smaller group pf rafts for longlines. Quite a number of sea squirts on older stock, but younger stock looked cleaner.

Four to five years to take to harvest size. Larger stock is moved to Ard Mhor for ongrowing and hardening off.

Stock is taken ashore for grading in drum grader which can cause a few mortalities due to damage to shells.

Apart from sea squirts, stock looked in good condition.

Case No: **2018-0362** Site No: **SS0874**
 Date of Visit: **15/08/2018** Inspector(s): **ALW**

Registration/Authorisation Details

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

Site Details

| | | | | | | | | |
|-------------------------|--------------|---------|--------------------|------------------------|------------------|-------------------------|-----------|--|
| Total No facilities | 10 | | Facilities stocked | 5 | | No facilities inspected | 10 | |
| Species | CGI | CGI | CGI | CGI | | | | |
| Age group | 2017 | 2016 | 2015 | 2013/14 | | | | |
| No Fish | 260,000 | 360,000 | 600,000 | 280,000 | | | | |
| Mean Fish Wt | 1-2g | 5-20g | 5-20g | 20-40g | | | | |
| Next Fallow Date (Site) | None planned | | | Next Input Date (Site) | August/Sept 2018 | | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> Y |
| 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"/> Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> Y |
| 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"/> N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> |
| 3. Any significant results? | <input type="checkbox"/> |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> |

| |
|----------------------|
| <input type="text"/> |
|----------------------|

Records checked between:

| | | | | | |
|---|---|------------|-----------------------------|----------------------------------|----|
| Case Number: | 2018-0362 | Site No: | SS0874 | | |
| Date of Visit | 15/08/2018 | Inspector: | ALW | | |
| Number of Susceptible species on site | | | | | |
| If no susceptible species present = LOW risk | | | | | |
| If susceptible species present, score for each pathogen | | | | | |
| | | No | Yes | | |
| | Susceptible to Bonamia ostrea (OED) | 0 | 25 | 0 | |
| | Susceptible to Marteilia refringens (OED, MED) | 0 | 3 | 0 | |
| | Susceptible to OshV (CGI) | 0 | 3 | 3 | |
| Sites within a tidal excursion | | | | | |
| | | 1 | 2-5 | >6 | |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 | 10 | 10 |
| Live shellfish movements | | | | | |
| | | 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 <u>within</u> MSS Management Areas | 0 | 1 | 2 | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 | 6 | 0 |
| | Number of destinations | 0 | 3 | 6 | 6 |
| 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 | Sites operating from single shorebase | 0 | 1 | 2 | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 5 | 5 |
| | | | Yes | No | |
| | Disinfection of equipment between sites, use of footbaths etc | | 0 | 2 | 2 |
| Total Risk | | | | 30 HIGH | |

Traigh Mhor Oysters
27a Eoligarry
Isle of Barra
HS9 5YD

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|----------------|----------------------|----------------|
| BUSINESS No | SB0533 | DATE OF VISIT | 15/08/2018 |
| SITE No | SS0874 | SITE NAME | Garbh Lingeigh |
| INSPECTOR | Andrea Warwick | CASE No | 20180362 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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: 17/08/2018

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

Case No: 2018-0363 Date of visit: 27/08/2018

Time spent on site: 45 mins Main Inspector: PMM

Site No: SS0622 Site Name: Booth
Business No: SB0432 Business Name: Eastvoe Shellfish

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12.9 Thermometer No: T153 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N/A

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

Additional Case Information:

Eight lines on site, 3 lines ready to harvest, the remaining 8 have an excellent 2018 spat settlement.

No issues reported at this site, no issues with starfish predation, some predation from eider ducks, although not reported to have been as heavy predation this year. Good spat settlement observed on lines.

Case No: **2018-0363** Site No: **SS0622**
 Date of Visit: **27/08/2018** Inspector(s): **PMM**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---------------------|--------------------|------------------------|-----------------------------|----------|
| Total No facilities | 8 | Facilities stocked | 8 | No facilities inspected | 8 |
| Species | MED | MED | | | |
| Age group | 2018 Spat | 2016 | | | |
| No Fish | 5 lines | 3 lines | | | |
| Mean Fish Wt | mixed | mixed | | | |
| Next Fallow Date (Site) | Never fallow | | Next Input Date (Site) | 2018 Spat collection | |

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **N**
 If yes, detail:

Movement Records

- 1. Movement records available for inspection? **Y**
- 2. Date of last inspection: **30/06/2016**
- 3. Are records complete and correctly entered? **Y**
- 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)?
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Seabed - empty shells**
- 3. Mortality records complete and correctly entered? **Y**
- 4. Recent mortality (last 4 wks): **no mortalities observed,**
- 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked? **N**
 If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

Treatments and Medicines Records

| | |
|--|--------------------------|
| 1. Recent treatments (last 4 wks)? | <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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

Records checked between:

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0363 | Site No: | SS0622 |
| Date of Visit | 27/08/2018 | Inspector: | PMM |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 0 |
| | | | 3 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 10 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| | | | 0 |
| | | | 20 |
| | | | 10 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | Number of destinations | 0 | 3 |
| | | | 2 |
| | | | 6 |
| | | | 6 |
| | | | 0 |
| | | | 6 |
| | | | 3 |
| | | | 0 |
| | | | 6 |
| | | | 3 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| Water contacts with depuration facilities | Depuration of stock from own sites within MSS management area | 0 | 1 |
| | Depuration of stock from other businesses sites within MSS management area | 0 | 2 |
| | Depuration of stock from sites outwith MSS management area | 0 | 4 |
| | | | 2 |
| | | | 6 |
| | | | 8 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Biosecurity | | | |
| | Number of sites | 1 | 2 or 3 |
| | | | ≥ 4 |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 |
| | Sites sharing staff and equipment | 0 | 1 |
| | | | |
| | | | 5 |
| | | Yes | No |
| | | | |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | |
| | | | 2 |
| | | | 0 |
| | | | 0 |
| Total Risk | | | 29 |
| | | | MEDIUM |

██████████
Eastvoe Shellfish
Sained Eastvoe
Scalloway
Shetland
ZE1 0US
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | SB0432 | DATE OF VISIT | 27/08/2018 |
| SITE No | SS0622 | SITE NAME | Booth |
| INSPECTOR | Paul McKay | CASE No | 20180363 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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

A black rectangular box redacting the signature of the Fish Health Inspector.

Signed:

Date: 25/10/2018

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

| | | | | | | |
|---|-----------|--|--------------------------------|-------------------|----------|-----|
| Case No: | 2018-0364 | Date of visit: | 21/08/2018 | | | |
| Time spent on site: | 4 hrs | Main Inspector: | PMM | | | |
| Site No: | FS0472 | Site Name: | Wick of Belmont | | | |
| Business No: | FB0095 | Business Name: | Cooke Aquaculture Scotland Ltd | | | |
| Case Types: | 1 ECI | 2 CNI | 3 SLI | 4 VMD | 5 | 6 |
| Water Temp (°C): | 13 | Thermometer No: | T153 | FHI 045 completed | | |
| Observations: | Region: | SH | Water type: | S | CoGP MA: | S-2 |
| Dead/weak/abnormally behaving fish present? | N | 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? | N | | | | | |

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

| |
|--|
| |
|--|

Additional Case Information:

The site is being used as a nursery site this cycle with the stock on site to be split between sites operating out of Mid-Yell after they have had a fallow period. Movement of stock due to be conducted in Nov 18. Site will restock with 2019 S1 next cycle and will on grow the fish, rather than act as a nursery site. All harvests next cycle will be conducted by dead haul. Mortalities have been low since input, slight increase WK 30 attributed to CMS, these fish have been moved to the Kirkabister site, there are no plans to stock any more fish on Kirkabister. These fish are also on a BIOMAR feed that is reported to be effective for CMS.

No dead or moribund observed at time of inspection, approx 20 failed smolts observed in cage 10, but these were very active. No problems reported on site and no issues observed. Fish sampled for VMD appeared healthy. Weekly net washing conducted on site using Aurora Marine

Case No: **2018-0364** Site No: **FS0472**
 Date of Visit: **21/08/2018** Inspector(s): **PMM**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|-----------------------|------------------------|--------------------|-------------------------|-----------|
| Total No facilities | 12 | Facilities stocked | 10 | No facilities inspected | 12 |
| Species | SAL | | | | |
| Age group | 2018 S1 | | | | |
| No Fish | 609,100 | | | | |
| Mean Fish Wt | 745g | | | | |
| Next Fallow Date (Site) | Nov / Dec 2018 | Next Input Date (Site) | Spring 2019 | | |

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **N**
 If yes, detail: **CMS confirmed in cages 3 and 4**

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **10/03/2015**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 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)? **N**
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Whole fish - TWMA (Shetland)**
 If other detail:
 3. Mortality records complete and correctly entered? **Y**
WK30 - 7,061 (0.94%) for site, WK31 - 2,665 (0.36%), WK 32 - 2,772 (0.45%), WK 33 - 1,234 (0.2%) - WK 30 elevated numbers in cages 3 and 4 attributed to CMS
 4. Recent mortality (last 4 wks):
 5. Evidence of recent increased/atypical mortalities? **Y**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:

See Q3
 6. Any other peaks in mortality during period checked? **N**
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

Treatments and Medicines Records

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

Biosecurity Records

| | | |
|--|--------------------------|---|
| 1. Biosecurity records available for inspection? | <input type="checkbox"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| If no, detail: | | |

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). | CMS | |

Records checked between:

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 | | | | | | | | | | | | |
|----------------|--------------|--------------|------------|--------------|--------------|--|--|--|--|--|--|--|
| Fish nos | 1-3 | 4-6 | 7-9 | 10-12 | | | | | | | | |
| Pool Group | | | | | | | | | | | | |
| Species | SAL | SAL | SAL | SAL | | | | | | | | |
| Average weight | 600g | 600g | 600g | 600g | | | | | | | | |
| Sex | N/A | N/A | N/A | N/A | | | | | | | | |
| Water Type | SW | SW | SW | SW | | | | | | | | |
| Stock Details | | Furnace (FW) | Haweswater | Furnace (FW) | Furnace (FW) | | | | | | | |
| | Stock Origin | | | | | | | | | | | |
| Facility No | 1 | 2 | 7 | 10 | | | | | | | | |

| | | | | | | | |
|--|---|-----------------------------|---------------|-----------------|---------------|---------------|-------------|
| Case Number: | 2018-0364 | Site No: | FS0472 | Insp: | PMM | | |
| Date of Visit | 21/08/2018 | No of movements/supp./dest. | | | Score | | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 | |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 | |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 | |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 10 | |
| | Number of destinations | 0 | 3 | 6 | 10 | 3 | |
| Exposure via water | | Site contacts | | | 0 | 1-5 | 6-10 |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | 0 | |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | | 4 | 2 | |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | | 6 | 0 | |
| | Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion | 1 | 4 | | 8 | 0 | |
| Management practices | | None | Secure | Unsecure | | | |
| Water contacts with processors | Any processing plant discharging into adjacent waters | 0 | 1 | | 2 | 1 | |
| On farm processing within the rules of the directive | No on farm processing | 0 | | | | 0 | |
| | Processing own fish (re-cycling risk) | 1 | | | | 0 | |
| | Processing fish from MS of equivalent status | 2 | | | | 0 | |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | 0 | |
| | Processing fish from Category III farm | 8 | | | | 0 | |
| | Processing fish from Category V farm | 10 | | | | 0 | |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | 0 | |
| | Common processes with other farms | 3 | | | | 3 | |
| | Collection point for waste from other farms | 5 | | | | 0 | |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 | |
| | Feeding unpasteurised feed | 5 | | | | 0 | |
| Biosecurity | | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | | 2 | 2 | |
| | Sites sharing staff and equipment | 0 | 1 | | 2 | 1 | |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 | |
| | No | 1 | | | | 0 | |
| CoGP/Regulator | | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 | |
| | No | 3 | | | | 0 | |
| Platform access to cages | Yes | 0 | | | | 0 | |
| | No | 2 | | | | 0 | |
| Total Rank | | | | | 22 | MEDIUM | |

Case No: **2018-0364**

Site No: **FS0472**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis levels* have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

M.M.L., Tensioned Nets, Top Nets

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0364

Site No: FS0472

Date of Visit: 21/08/2018

Inspector: PMM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

██████████
Cooke Aquaculture Scotland Ltd
Crowness Road
Hatston Kirkwall
Orkney
KW15 1RG
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|-----------------|
| BUSINESS No | FB0095 | DATE OF VISIT | 21/08/2018 |
| SITE No | FS0472 | SITE NAME | Wick of Belmont |
| INSPECTOR | Paul McKay | CASE No | 20180364 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

Mortality records were inspected and found to be adequately maintained.

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

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

R25

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

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



Signed:

Date: 11/10/2018

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

| | | | | | | |
|---|--------------------------|--|--------------------------------|-------------------|----------|-----|
| Case No: | 2018-0365 | Date of visit: | 21/08/2018 | | | |
| Time spent on site: | 1.5hrs | Main Inspector: | PMM | | | |
| Site No: | FS0451 | Site Name: | Turness | | | |
| Business No: | FB0095 | Business Name: | Cooke Aquaculture Scotland Ltd | | | |
| Case Types: | 1 REG | 2 REP | 3 | 4 | 5 | 6 |
| Water Temp (°C): | 9.5 | Thermometer No: | T153 | FHI 045 completed | | |
| Observations: | Region: | SH | Water type: | S | CoGP MA: | S-2 |
| Dead/weak/abnormally behaving fish present? | <input type="checkbox"/> | If yes, see additional information/clinical score sheet. | | | | |
| Clinical signs of disease observed? | <input type="checkbox"/> | If yes, see additional information/clinical score sheet. | | | | |
| Gross pathology observed? | <input type="checkbox"/> | If yes, see additional information/clinical score sheet. | | | | |
| Diagnostic samples taken? | <input type="checkbox"/> | | | | | |

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

Additional Case Information:

2 cages stocked on site, cage 1 -2,878 2016 S1 Sal @ 11.1kg (female), cage 10- 730 2106 S1 @12.7kg. Stock on site being held for Aquagen and due to be moved off in September - location to be confirmed. Cooke were unsure where the fish were destined for, Aquagen were reportedly trying to source wellboat to move stock.

Fish showed good feeding response, stock worst affected by CMS has been harvested.

No dead, moribund or lethargic fish observed at time of inspection. One cage fitted with partial walkways.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|------------------------|-------------------------------------|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="10"/> | Facilities stocked | <input type="text" value="2"/> | No facilities inspected | <input type="text" value="10"/> |
| Species | <input type="text" value="SAL"/> | | | | |
| Age group | <input type="text" value="2016 S1"/> | | | | |
| No Fish | <input type="text" value="3,608"/> | | | | |
| Mean Fish Wt | <input type="text" value="~12kg"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="Sept 2018?"/> | Next Input Date (Site) | <input type="text" value="Unsure"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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="CMS"/> | |

Records checked between:

[REDACTED]
Cooke Aquaculture Scotland Ltd
Crowness Road
Hatston Kirkwall
Orkney
KW15 1RG
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS NO | FB0095 | DATE OF VISIT | 21/08/2018 |
| SITE NO | FS0451 | SITE NAME | Turness |
| INSPECTOR | Paul McKay | CASE NO | 20180365 |

The above site was visited following a report of increased mortality attributed to CMS. 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 information required for the public record of aquaculture production businesses regarding this site was verified and where necessary updated.

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

Mortality records were inspected and found to be adequately maintained.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection

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

Signed:

[REDACTED]
Fish Health Inspector

Date: 13/12/2018

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

R10

| | | | | | | |
|---|--|--|---|------------------------------------|------------------------|------------------------|
| Case No: | <input type="text" value="2018-0366"/> | Date of visit: | <input type="text" value="22/08/2018"/> | | | |
| Time spent on site: | <input type="text" value="3.5hrs"/> | Main Inspector: | <input type="text" value="PMM"/> | | | |
| Site No: | <input type="text" value="FS1279"/> | Site Name: | <input type="text" value="Bastaness"/> | | | |
| Business No: | <input type="text" value="FB0095"/> | Business Name: | <input type="text" value="Cooke Aquaculture Scotland Ltd"/> | | | |
| Case Types: | 1 <input type="text" value="ECI"/> | 2 <input type="text" value="CNI"/> | 3 <input type="text" value="SLI"/> | 4 <input type="text" value="VMD"/> | 5 <input type="text"/> | 6 <input type="text"/> |
| Water Temp (°C): | <input type="text" value="13.1"/> | Thermometer No: | <input type="text" value="T153"/> | FHI 045 completed | <input type="text"/> | |
| Observations: | Region: | SH | Water type: | S | CoGP MA: | S-3 |
| Dead/weak/abnormally behaving fish present? | <input type="text" value="Y"/> | If yes, see additional information/clinical score sheet. | | | | |
| Clinical signs of disease observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Gross pathology observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Diagnostic samples taken? | <input type="text" value="N"/> | | | | | |

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

Additional Case Information:

Stock on site was moved on from Flaeshins in Feb 2018. No chemical therapeutant used on this input of fish, numbers have recently gone over the reporting level (3), site currently harvesting and due to fallow in next few weeks. A salmosan treatment is being considered, however, current strategy is to fallow. Harvest will be transported to the Orkney packing station as well as using the Mid Yell packing station. This will begin after the fallowing of Bay of Vady site near Rousay.

All cages on site fitted with Sapphire nets. Divers usually on site weekly. Site has experienced grumbling mortalities to CMS since the end of June 2018. Harvest fish are reported >98% superior when going through the packing station.

All harvest are conducted using the Viking Viknes, this has had electrical stunners installed and is reported to be very efficient. Cooke also have their own Hydrolicer, this was to work very well when required.

Very good visibilty at time of inspection, no moribund observed at time of inspection. 10 dead observed across site, not fresh dead.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|------------------------|---------------------------------------|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="10"/> | Facilities stocked | <input type="text" value="6"/> | No facilities inspected | <input type="text" value="10"/> |
| Species | <input type="text" value="SAL"/> | | | | |
| Age group | <input type="text" value="2017 S1"/> | | | | |
| No Fish | <input type="text" value="120,000"/> | | | | |
| Mean Fish Wt | <input type="text" value="5.9 kg"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="Sept 2018"/> | Next Input Date (Site) | <input type="text" value="Nov 2018"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

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

Biosecurity Records

| | | |
|--|--------------------------|---|
| 1. Biosecurity records available for inspection? | <input type="checkbox"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| If no, detail: | | |

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). | CMS | |

Records checked between:

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 | | | | | | | | | | | | | |
| Fish nos | 1 | | | | | | | | | | | | |
| Pool Group | | | | | | | | | | | | | |
| Species | SAL | | | | | | | | | | | | |
| Average weight | 6kg | | | | | | | | | | | | |
| Sex | Female | | | | | | | | | | | | |
| Water Type | SW | | | | | | | | | | | | |
| Stock Origin | Flaeshins | | | | | | | | | | | | |
| Facility No | 6 | | | | | | | | | | | | |

| | | | | | | |
|--|---|------------------------------------|---------------|-----------------|---------------|------------|
| Case Number: | 2018-0366 | Site No: | FS1279 | Insp: | PMM | |
| Date of Visit | 22/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 0 |
| | Number of destinations | 0 | 3 | 6 | 10 | 0 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | 0 |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 2 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | 0 |
| | Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion | 1 | 4 | 8 | | 0 |
| Management practices | | None | Secure | Unsecure | | |
| Water contacts with processors | Any processing plant discharging into adjacent waters | 0 | 1 | 2 | | 1 |
| On farm processing within the rules of the directive | No on farm processing | 0 | | | | 0 |
| | Processing own fish (re-cycling risk) | 1 | | | | 1 |
| | Processing fish from MS of equivalent status | 2 | | | | 0 |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | 0 |
| | Processing fish from Category III farm | 8 | | | | 0 |
| | Processing fish from Category V farm | 10 | | | | 0 |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | 0 |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | 0 |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | 0 |
| Biosecurity | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 2 | | 2 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | 0 |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | 0 |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | 0 |
| Total Rank | | | | | 11 | LOW |

Case No: **2018-0366**

Site No: **FS1279**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

M.M.L., Tensioned Nets, Top Nets

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0366

Site No: FS1279

Date of Visit: 22/08/2018

Inspector: PMM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

| |
|---|
| Site No: FS1279 |
| Case No: 2018-0366 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



██████████
Cooke Aquaculture Scotland Ltd
Crowness Road
Hatston Kirkwall
Orkney
KW15 1RG
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | FB0095 | DATE OF VISIT | 22/08/2018 |
| SITE No | FS1279 | SITE NAME | Bastaness |
| INSPECTOR | Paul McKay | CASE No | 20180366 |

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 third 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.

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

R25

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

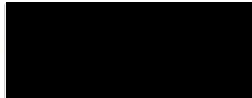
Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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



Signed:

Date: 11/10/2018

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

| | | | | | | |
|---|--|--|---|------------------------------------|---------------------------------|---------------------------------|
| Case No: | <input type="text" value="2018-0367"/> | Date of visit: | <input type="text" value="22/08/2018"/> | | | |
| Time spent on site: | <input type="text" value="3.5hrs"/> | Main Inspector: | <input type="text" value="PMM"/> | | | |
| Site No: | <input type="text" value="FS0656"/> | Site Name: | <input type="text" value="Djubawick"/> | | | |
| Business No: | <input type="text" value="FB0095"/> | Business Name: | <input type="text" value="Cooke Aquaculture Scotland Ltd"/> | | | |
| Case Types: | 1 <input type="text" value="ECI"/> | 2 <input type="text" value="CNI"/> | 3 <input type="text" value="SLI"/> | 4 <input type="text" value="VMD"/> | 5 <input type="text" value=""/> | 6 <input type="text" value=""/> |
| Water Temp (°C): | <input type="text" value="13.1"/> | Thermometer No: | <input type="text" value="T153"/> | FHI 045 completed | <input type="text" value=""/> | |
| Observations: | Region: | SH | Water type: | S | CoGP MA: | S-3 |
| Dead/weak/abnormally behaving fish present? | <input type="text" value="Y"/> | If yes, see additional information/clinical score sheet. | | | | |
| Clinical signs of disease observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Gross pathology observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Diagnostic samples taken? | <input type="text" value="N"/> | | | | | |

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

Additional Case Information:

Stock on site was moved on from Flaeshins in Feb 2018. No chemical therapeutant used on this input of fish, numbers have recently gone above the CoGP suggested criteria for treatment, site currently harvesting and due to fallow in next few weeks. A salmosan treatment is being considered, however, current strategy is to fallow. Harvest will be transported to the Orkney packing station as well as using the Mid Yell packing station. This will begin after the fallowing of Bay of Vady site near Rousay.

3 of the six cages stocked fitted with Sapphire nets. Cooke net washing boat on site at time of inspection, this was reported to work well. Also use Aurora Marine if required. Divers on site at time of inspection, usually on site weekly. Site has experienced grumbling mortalities to CMS since the end of June 2018.

All harvest are conducted using the Viking Viknes, this has had electrical stunners installed and is reported to be very efficient. Cooke also have their own Hydrolicer, this was to work very well when required.

Excellent visibility at time of inspection, no moribund observed at time of inspection. 5 dead observed, not fresh dead. These were likely to have been disturbed during net washing operations.

Case No: **2018-0367** Site No: **FS0656**
 Date of Visit: **22/08/2018** Inspector(s): **PMM**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|------------------|------------------------|-----------------|-------------------------|-----------|
| Total No facilities | 16 | Facilities stocked | 6 | No facilities inspected | 16 |
| Species | SAL | | | | |
| Age group | 2017 S1 | | | | |
| No Fish | ~88,000 | | | | |
| Mean Fish Wt | 5.9 kg | | | | |
| Next Fallow Date (Site) | Sept 2018 | Next Input Date (Site) | Nov 2018 | | |

Recent (last 4 wks) disease problems? **Y** Any escapes (since last visit)? **N**
 If yes, detail: **CMS**

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **21/07/16 ALW**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 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)? **N**
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Whole fish - TWMA (Shetland)**
 If other detail:
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **WK 30 - 4,463 (2.05%), WK 31 - 4,040 (2.36%), WK 32 - 3,929 (3.2%), WK 33 - 2,540 (2.26%) - Attributed to CMS**
 5. Evidence of recent increased/atypical mortalities? **Y**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
See recent mortality - attributed to CMS
 6. Any other peaks in mortality during period checked? **N**
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **Y**

Treatments and Medicines Records

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

Biosecurity Records

| | | |
|--|--------------------------|---|
| 1. Biosecurity records available for inspection? | <input type="checkbox"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| If no, detail: | | |

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). | CMS | |

Records checked between:

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 | | | | | | | | | | | | | |
| Fish nos | 1 | 2 | | | | | | | | | | | |
| Pool Group | | | | | | | | | | | | | |
| Species | SAL | SAL | | | | | | | | | | | |
| Average weight | 6kg | 6kg | | | | | | | | | | | |
| Sex | Female | Male | | | | | | | | | | | |
| Water Type | SW | SW | | | | | | | | | | | |
| Stock Details | | Flaeshins | Flaeshins | | | | | | | | | | |
| | Stock Origin | | | | | | | | | | | | |
| Facility No | 6 | 9 | | | | | | | | | | | |

| | | | | | | |
|--|---|------------------------------------|---------------|-----------------|---------------|------------|
| Case Number: | 2018-0367 | Site No: | FS0656 | Insp: | PMM | |
| Date of Visit | 22/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 0 |
| | Number of destinations | 0 | 3 | 6 | 10 | 0 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | 0 |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 2 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | 0 |
| | Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion | 1 | 4 | 8 | | 0 |
| Management practices | | None | Secure | Unsecure | | |
| Water contacts with processors | Any processing plant discharging into adjacent waters | 0 | 1 | 2 | | 1 |
| On farm processing within the rules of the directive | No on farm processing | 0 | | | | 0 |
| | Processing own fish (re-cycling risk) | 1 | | | | 1 |
| | Processing fish from MS of equivalent status | 2 | | | | 0 |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | 0 |
| | Processing fish from Category III farm | 8 | | | | 0 |
| | Processing fish from Category V farm | 10 | | | | 0 |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | 0 |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | 0 |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | 0 |
| Biosecurity | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 2 | | 2 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | 0 |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | 0 |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | 0 |
| Total Rank | | | | | 11 | LOW |

Case No: **2018-0367**

Site No: **FS0656**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

M.M.L., Tensioned Nets, Top Nets

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0367

Site No: FS0656

Date of Visit: 22/08/2018

Inspector: PMM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

| |
|---|
| Site No: FS0656 |
| Case No: 2018-0367 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



██████████
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Hatston Kirkwall
Orkney
KW15 1RG
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | FB0095 | DATE OF VISIT | 22/08/2018 |
| SITE No | FS0656 | SITE NAME | Djubawick |
| INSPECTOR | Paul McKay | CASE No | 20180367 |

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 third 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.

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.

R25

Mortality levels had exceeded the reporting criteria since the last inspection and had been reported to the Fish Health Inspectorate as required.

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

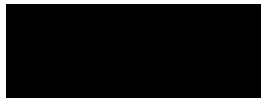
Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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



Signed:

Date: 11/10/2018

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

Case No: 2018-0368 Date of visit: 27/08/2018

Time spent on site: 45 mins Main Inspector: PMM

Site No: SS0673 Site Name: South of Whalwick
Business No: SB0432 Business Name: Eastvoe Shellfish

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12.9 Thermometer No: T153 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N/A

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

Additional Case Information:

Eight lines on site, three lines are ready to harvest. However, area currently closed due to toxin results, last harvest was reported to have been June 2018. Five remaining lines on site for spat collection. Last year spat reported to be very poor, however, this year has been very good. All shells are sold through the SSMG.

No issues reported at this site, no predation issues. Good spat settlement observed on lines.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|---------------------------------------|---|--------------------------------------|---------------------------------|---|--------------------------------|
| Total No facilities | <input type="text" value="8"/> | Facilities stocked | <input type="text" value="5"/> | No facilities inspected | <input type="text" value="8"/> |
| Species | <input type="text" value="MED"/> | <input type="text" value="MED"/> | | | |
| Age group | <input type="text" value="2018 Spat"/> | <input type="text" value="2016"/> | | | |
| No Fish | <input type="text" value="5 lines"/> | <input type="text" value="3 lines"/> | | | |
| Mean Fish Wt | <input type="text" value="mixed"/> | <input type="text" value="mixed"/> | | | |
| Next Fallow Date (Site) | <input type="text" value="Harvest 2020"/> | | Next Input Date (Site) | <input type="text" value="Spat collection 2020"/> | |
| Recent (last 4 wks) disease problems? | <input type="text" value="N"/> | | Any escapes (since last visit)? | <input type="text" value="N"/> | |
| If yes, detail: | <input type="text"/> | | | | |

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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

Records checked between:

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0368 | Site No: | SS0673 |
| Date of Visit | 27/08/2018 | Inspector: | PMM |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 0 |
| | | | 3 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 10 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | | | 10 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | | | 20 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | | | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | | | 6 |
| | Number of destinations | 0 | 3 |
| | | | 6 |
| | | | 3 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| 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 |
| | | | 0 |
| | | | 0 |
| 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 |
| | | Yes | No |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | 2 |
| | | | 0 |
| | | | 0 |
| Total Risk | | | 29 |
| | | | MEDIUM |

██████████
Eastvoe Shellfish
Sained Eastvoe
Scalloway
Shetland
ZE1 0US
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|-------------------|
| BUSINESS No | SB0432 | DATE OF VISIT | 27/08/2018 |
| SITE No | SS0673 | SITE NAME | South of Whalwick |
| INSPECTOR | Paul McKay | CASE No | 20189368 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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



Signed:

Date: 26/10/2018

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

Case No: 2018-0369 Date of visit: 27/08/2018

Time spent on site: 45 mins Main Inspector: PMM

Site No: SS0674 Site Name: Langsound
Business No: SB0432 Business Name: Eastvoe Shellfish

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12.9 Thermometer No: T153 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N/A

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

Additional Case Information:

Eight lines on site, three lines are ready to harvest. However, area currently closed due to toxin results, last harvest was reported to have been June 2018. One line is reported to be 2017 spat and the remaining four lines on site for spat collection. Last year spat reported to be very poor, however, this year has been very good. All shells are sold through the SSMG. No issues reported at this site, some predation from eider ducks, although not reported to have been as heavy predation this year. Good spat settlement observed on lines.

Case No: **2018-0369** Site No: **SS0674**
 Date of Visit: **27/08/2018** Inspector(s): **PMM**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---------------------|--------------------|------------------------|-----------------------------|----------|
| Total No facilities | 8 | Facilities stocked | 8 | No facilities inspected | 8 |
| Species | MED | MED | MED | | |
| Age group | 2018 Spat | 2016 | 2017 | | |
| No Fish | 4 lines | 3 lines | 1 line | | |
| Mean Fish Wt | mixed | mixed | mixed | | |
| Next Fallow Date (Site) | Never fallow | | Next Input Date (Site) | 2018 Spat collection | |

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **N**
 If yes, detail:

Movement Records

- 1. Movement records available for inspection? **Y**
- 2. Date of last inspection: **30/06/2016**
- 3. Are records complete and correctly entered? **Y**
- 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)?
- If yes, is there a system in place for maintenance of transportation records?

Mortality Records

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Seabed - empty shells**
- 3. Mortality records complete and correctly entered? **Y**
- 4. Recent mortality (last 4 wks): **no mortalities observed,**
- 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked? **N**
 If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

Treatments and Medicines Records

| | |
|--|--------------------------|
| 1. Recent treatments (last 4 wks)? | <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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

Records checked between:

██████████
Eastvoe Shellfish
Sained Eastvoe
Scalloway
Shetland
ZE1 0US
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | SB0432 | DATE OF VISIT | 27/08/2018 |
| SITE No | SS0674 | SITE NAME | Langsound |
| INSPECTOR | Paul McKay | CASE No | 20180369 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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

A black rectangular redaction box covering the signature of the Fish Health Inspector.

Signed:

Date: 25/10/2018

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

Case No: 2018-0370 Date of visit: 27/08/2018

Time spent on site: 45 mins Main Inspector: PMM

Site No: SS0749 Site Name: Holm of Brough

Business No: SB0432 Business Name: Eastvoe Shellfish

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12.9 Thermometer No: T153 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N/A

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

Additional Case Information:

Eight lines on site, three lines are ready to harvest. However, area currently closed due to toxin results, last harvest was reported to have been June 2018. The remaining five lines on site for spat collection. Last year spat reported to be very poor, however, this year has been very good. All shells are sold through the SSMG.

No issues reported at this site, some predation from eider ducks, although not reported to have been as heavy predation this year. Good spat settlement observed on lines.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|--------------------------------------|--------------------------------|---|--------------------------------|
| Total No facilities | <input type="text" value="8"/> | Facilities stocked | <input type="text" value="8"/> | No facilities inspected | <input type="text" value="8"/> |
| Species | <input type="text" value="MED"/> | <input type="text" value="MED"/> | | | |
| Age group | <input type="text" value="2018 Spat"/> | <input type="text" value="2016"/> | | | |
| No Fish | <input type="text" value="5 lines"/> | <input type="text" value="3 lines"/> | | | |
| Mean Fish Wt | <input type="text" value="mixed"/> | <input type="text" value="mixed"/> | | | |
| Next Fallow Date (Site) | <input type="text" value="Never fallow"/> | | Next Input Date (Site) | <input type="text" value="2018 Spat collection"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |
| <input type="text"/> | | |

Records checked between:

██████████
Eastvoe Shellfish
Sained Eastvoe
Scalloway
Shetland
ZE1 0US
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|----------------|
| BUSINESS No | SB0432 | DATE OF VISIT | 27/08/2018 |
| SITE No | SS0749 | SITE NAME | Holm of Brough |
| INSPECTOR | Paul McKay | CASE No | 20180370 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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



Signed:

Date: 25/10/2018

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

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
 Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

Currently multiple interlinking projects on going in to the development of a *Mytilus edulis* hatchery. Site collect shells from producers within Shetland to use for broodstock. The potential broodstock and depurated before use. Had experienced some problems with *Vibrio* in some of the initial brood shells used. Receiving smaller quantities from sites around Shetland. Currently seeking further funding to build on the work of the project.

No movements of live shells off site.

Scored as high risk due to authorisation to hold native oysters.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|------------------------|-------------------------------------|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="12"/> | Facilities stocked | <input type="text" value="4"/> | No facilities inspected | <input type="text" value="12"/> |
| Species | <input type="text" value="MED"/> | | | | |
| Age group | <input type="text" value="2018 Spat"/> | | | | |
| No Fish | <input type="text" value="unknown"/> | | | | |
| Mean Fish Wt | <input type="text" value="mixed"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="Unsure"/> | Next Input Date (Site) | <input type="text" value="Unsure"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

Records checked between:

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0371 | Site No: | SS0770 |
| Date of Visit | 23/08/2018 | Inspector: | PMM |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 25 |
| | | | 3 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 10 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | Number of destinations | 0 | 3 |
| | | | 2 |
| | | | 6 |
| | | | 6 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| Water contacts with depuration facilities | Depuration of stock from own sites within MSS management area | 0 | 1 |
| | Depuration of stock from other businesses sites within MSS management area | 0 | 2 |
| | Depuration of stock from sites outwith MSS management area | 0 | 4 |
| | | | 2 |
| | | | 6 |
| | | | 8 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Biosecurity | | | |
| | Number of sites | 1 | 2 or 3 |
| | | | ≥ 4 |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 |
| | Sites sharing staff and equipment | 0 | 1 |
| | | | |
| | | | 5 |
| | | Yes | No |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | 2 |
| | | | 0 |
| | | | 0 |
| Total Risk | | | 38 |
| | | | HIGH |

NAFC Marine Centre
Port Arthur
Scalloway
Shetland
ZE1 0UN

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|-----------------|
| BUSINESS NO | SB0356 | DATE OF VISIT | 23/08/2018 |
| SITE NO | SS0770 | SITE NAME | Marine Hatchery |
| INSPECTOR | Paul McKay | CASE NO | 20180371 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

R14

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: 14/12/2018

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

Case No: 2018-0383 Date of visit: 21/08/2018

Time spent on site: 3 hours Main Inspector: JET

Site No: FS1067 Site Name: Inverawe (East) Etive 2
Business No: FB0456 Business Name: Dawnfresh Farming Ltd

Case Types: 1 ESC 2 VMD 3 4 5 6

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

Observations: Region: ST Water type: S CoGP MA: M-36

Dead/weak/abnormally behaving fish present? N 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? N

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

Additional Case Information:

Escape event - Dawnfresh Farming Ltd were notified by bailiffs from the local DSFB on 08/08/2018, of escaped rainbow trout being caught in the River Awe. On 09/08/2018 divers inspected all nets and cages holding fish of the size range that were reported by the DSFB, a hole caused by seal damage was discovered at the bottom of one net on the Inverawe (East) Etive 2 site. The net was repaired and an escape notification was sent to the FHI, there were no health issues on site at the time of the escape.

Following discussions between the area manager and DSFB, no attempt was made to recapture any further escaped fish, the DSFB hold gill nets for Loch Etive.

Prior to the escape event the centre weights of the cage were removed on 20/07/2018 in order for a hydroliser treatment to be carried out on 04/08/2018, removal of the centre weights cause the bottom of the net to bag up and can become more susceptible to seal damage. Centre weights are removed and re-deployed by dive teams, each removal or re-deployment can take a dive team a whole day to complete.

During the weight removal on 20/07/2018 nets were inspected and no holes were seen. Following the hydroliser treatment on 04/08/2018, divers were back on site on 06/08/2018 to carry out mortality removal, nets were inspected and no holes were observed, there was not enough time to also re-deploy the centre weights and mortality removal was prioritised by the site manager.

Etive 2 also has dead socks for mortality removal, however these are not fully effective when the centre weights are removed, uplifts are not considered appropriate for the site due to the risk of net damage. The centre weights were re-deployed on 09/08/2018 after the hole in the net was discovered.

During the period when the net had no centre weight deployed, no additional anti-predator controls were put in place, the neighbouring site Etive 6 has fixed A.D.D. and Etive 4 has mobile A.D.D. these sites are located further down the loch and have had issues with seal predation, Inverawe (East) Etive 2 located further up the loch has experienced relatively little seal predation.

SOP's and risk assessments for fish crowding and weight lifting were in place and the associated training sheets have been signed off by staff. There is no specific SOP for centre weight removal as this is carried out by contracted dive teams as opposed to site staff. At the time of inspection there was no risk assessment or contingency plan in place for when nets have no centre weights deployed.

Following the inspection, the final escape notification was sent to the FHI by Dawnfresh Farming Ltd on 03/09/2018. Following a count of the cage were the escape occurred, 175 fish were confirmed as escaped and that approximately 100 fish were caught by fishermen in the River Awe. The area manager also noted that the site procedures had been updated to include that centre weights need to be re-attached at the earliest opportunity.

Fish sampled for VMD appeared healthy.

Case No: **2018-0383** Site No: **FS1067**
 Date of Visit: **21/08/2018** Inspector(s): **JET**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|----------------------|------------------------|-----------------|-------------------------|----------|
| Total No facilities | 6 | Facilities stocked | 2 | No facilities inspected | 2 |
| Species | RTR | | | | |
| Age group | 2017 | | | | |
| No Fish | 92,177 | | | | |
| Mean Fish Wt | 1.2kg | | | | |
| Next Fallow Date (Site) | November 2018 | Next Input Date (Site) | 27/08/18 | | |

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **Y**
 If yes, detail: **Hole in net caused by seal - see additional comments for further details.**

Movement Records

- 1. Movement records available for inspection? **Y**
- 2. Date of last inspection: **13/02/2018**
- 3. Are records complete and correctly entered? **Y**
- 4. Are movement records available for dead fish and waste? **Y**
- 5. Are records complete and correctly entered? **Y**
- 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)?
 If yes, is there a system in place for maintenance of transportation records?

Mortality Records

- 1. Mortality records available for inspection? **Y**
- 2. How are mortalities disposed of? **Other (detail)**
 If other detail: **Whole fish - Taken to BBSP Kilmarnock by Billy Bowie**
- 3. Mortality records complete and correctly entered? **Y**
- 4. Recent mortality (last 4 wks): **353 (0.74%) across site**
- 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:
- 6. Any other peaks in mortality during period checked? **N**
 If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

Treatments and Medicines Records

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

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: | |

Results of Surveillance

| | |
|---|--------------------------|
| 1. Has any animal health surveillance been carried out by, or on behalf of, the business? | <input type="checkbox"/> |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> |
| 3. Any significant results? | <input type="checkbox"/> |
| If yes, detail (if not detailed under recent disease problems). | |

| |
|--|
| |
|--|

Records checked between:

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 | | | | | | | | | | | | | |
| Fish nos | 1 | | | | | | | | | | | | |
| Pool Group | | | | | | | | | | | | | |
| Species | RTR | | | | | | | | | | | | |
| Average weight | 1.2000 | | | | | | | | | | | | |
| Sex | N/A | | | | | | | | | | | | |
| Water Type | SW | | | | | | | | | | | | |
| Stock Details | | Frandy | | | | | | | | | | | |
| | Stock Origin | | | | | | | | | | | | |
| | Facility No | E2 | | | | | | | | | | | |

| |
|---|
| Site No: FS1067 |
| Case No: 2018-0383 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



██████████
Dawnfresh Farming Ltd
Bothwellpark Industrial Estate
Uddingston
Lanarkshire
G71 6LS
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|--------------|----------------------|-------------------------|
| BUSINESS No | FB0456 | DATE OF VISIT | 21/08/2018 |
| SITE No | FS1067 | SITE NAME | Inverawe (East) Etive 2 |
| INSPECTOR | Joe Triscott | CASE No | 20180383 |

The site was inspected following notification of an escape of 175 rainbow trout on 09/08/2018.

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 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.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 5 regarding containment and escapes. The following recommendations are made for improvement.

R27

To meet the requirements of Chapter 4 point 4.26 of A Code of Good Practice for Scottish Finfish Aquaculture and Annex 4 section A4.17 of A Technical Standard for Scottish Finfish Aquaculture, it is recommended that a documented review is carried out of the anti-predator measures in place at the site and on the suitability of equipment at the site for mitigating predator interactions. Consideration should be given to periods when weighting systems are not deployed on production cages.

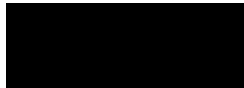
It is also recommended that a documented review of mortality removal procedures is undertaken, with consideration given to periods when weighting systems are not deployed on production cages, to ensure that predator interactions are mitigated and minimised.

Further Action

The recommendations in this report should be implemented by 02/11/2018. Documentation should be provided as evidence that the recommendations have been implemented. Enforcement action may result if the recommendations are not implemented in the necessary time frame. Records should be sent to Marine Scotland Science's Fish Health Inspectorate (FHI) (contact details are provided below).

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

Signed:



Date: 20/09/2018

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

| | | | | | | |
|---|-----------|--|-----------------------------|-------------------|----------|------|
| Case No: | 2018-0393 | Date of visit: | 28/08/2018 | | | |
| Time spent on site: | 4.5h | Main Inspector: | DJT | | | |
| Site No: | FS0594 | Site Name: | Aird | | | |
| Business No: | FB0169 | Business Name: | The Scottish Salmon Company | | | |
| Case Types: | 1 ECI | 2 CNI | 3 SLI | 4 VMD | 5 | 6 |
| Water Temp (°C): | 13 | Thermometer No: | T173 | FHI 045 completed | | |
| Observations: | Region: | HI | Water type: | S | CoGP MA: | M-17 |
| Dead/weak/abnormally behaving fish present? | n | 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? | n | | | | | |

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

| |
|--|
| |
|--|

Additional Case Information:

A number of pens had buckled handrails, this had resulted in some of the walkways twisting. Containment did not seem to be compromised. The pens were reported to be six years old with a working life of 10 expected.

Case No: **2018-0393** Site No: **FS0594**
 Date of Visit: **28/08/2018** Inspector(s): **DJT**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|-----------------|------------------------|-------------------------|-------------------------|-----------|
| Total No facilities | 10 | Facilities stocked | 10 | No facilities inspected | 10 |
| Species | sal | | | | |
| Age group | 2018 s1 | | | | |
| No Fish | 954,199 | | | | |
| Mean Fish Wt | 1.18kg | | | | |
| Next Fallow Date (Site) | Aug 2019 | Next Input Date (Site) | Jan - March 2020 | | |

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **N**
 If yes, detail:

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **08/09/2016**
 3. Are records complete and correctly entered? **N**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 6. Are health certificates for introductions (outwith GB) available? **N**

Transport Records

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

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Whole fish - Dundas Chemicals**
 If other detail:
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **wk 31 1154 (0.12%) wk 32 1457 (0.15%) wk 33 2240 (0.23%) wk34 1705 (0.18%). No specific cause some lesions have been observed and some AGD scores have increased.**
 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked? **N**
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **N/A**
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

Treatments and Medicines Records

1. Recent treatments (last 4 wks)? Y

If yes, detail:

2. Medicines records available for inspection? Y

3. Are records complete and correctly entered? Y

4. Are fish in a withdrawal period? Y

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately? Y

Biosecurity Records

1. Biosecurity records available for inspection? Y

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? y

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included? y

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers? y

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? y

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? y

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? y

8. Have the biosecurity procedures been adequately implemented on site? y

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection? y

3. Any significant results? N

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

Records checked between:

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 | | | | | | | | | | | | | |
|----------------|--------------|-------------|-------------|---------|---------|---------|---------|--|--|--|--|--|--|
| Fish nos | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | |
| Pool Group | | | | | | | | | | | | | |
| Species | Sal | Sal | Sal | Sal | Sal | Sal | | | | | | | |
| Average weight | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | | | | | | | |
| Sex | N/A | N/A | N/A | N/A | N/A | N/A | | | | | | | |
| Water Type | SW | SW | SW | SW | SW | SW | | | | | | | |
| Stock Details | | Russel Burn | Russel Burn | Geocrab | Geocrab | Geocrab | Geocrab | | | | | | |
| | Stock Origin | | | | | | | | | | | | |
| Facility No | 4 | 4 | 1 | 1 | 7 | 7 | | | | | | | |

| | | | | | | |
|--|---|------------------------------------|---------------|-----------------|---------------|---------------|
| Case Number: | 2018-0393 | Site No: | FS0594 | Insp: | DJT | |
| Date of Visit | 28/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 10 |
| | Number of destinations | 0 | 3 | 6 | 10 | 3 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 2 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | |
| | Farm is on-line or in a coastal zone with category V farms upstream 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 processing | 0 | | | | |
| | Processing own fish (re-cycling risk) | 1 | | | | 1 |
| | Processing fish from MS of equivalent status | 2 | | | | |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | |
| | Processing fish from Category III farm | 8 | | | | |
| | Processing fish from Category V farm | 10 | | | | |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | |
| 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 | 2 | | 1 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | |
| Total Rank | | | | | 20 | MEDIUM |

Case No: **2018-0393**

Site No: **FS0594**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

Top nets, seal scrammers, seal blinds, MML, high tensioned nets,

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?

If Yes proceed with questions 4 – 9. If No skip to question 10

- 4. Have these been reported to Scottish Ministers?

- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 7. Were methods (if any) used to recover escapees? If yes give detail

- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)

- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)

- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0393

Site No: FS0594

Date of Visit: 28/08/2018

Inspector: DJT

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

| |
|---|
| Site No: FS0594 |
| Case No: 2018-0393 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



[REDACTED]
The Scottish Salmon Company
1 Smithy Lane
Lochgilphead
Argyll
PA31 8TA
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|-----------------|----------------------|------------|
| BUSINESS No | FB0169 | DATE OF VISIT | 28/08/2018 |
| SITE No | FS0594 | SITE NAME | Aird |
| INSPECTOR | David Tomlinson | CASE No | 20180393 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

R25

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for 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:

- **Site numbers (FS numbers) were not being recorded in the movement book.**

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

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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

Signed:



Fish Health Inspector

Date: 05/09/2018

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

Case No: 2018-0394 Date of visit: 28/08/2018

Time spent on site: 1h Main Inspector: DJT

Site No: SS0244 Site Name: Loch Toscaig
Business No: SB0479 Business Name: Northwind Mussels

Case Types: 1 REG 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 fish present? If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
Gross pathology observed? If yes, see additional information/clinical score sheet.
Diagnostic samples taken?

UNI/REG only - if unable to carry out intended visit detail reason below:
No equipment in the water

Additional Case Information:

No facilities in place, area inspected from the shore. Site owner hopes to get lines in the water at some point but is currently busy with other business interests.No paperwork to inspect.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|------------------------|--|-------------------------|--------------------------------|
| Total No facilities | <input type="text" value="0"/> | Facilities stocked | <input type="text" value="0"/> | No facilities inspected | <input type="text" value="0"/> |
| Species | <input type="text"/> | | | | |
| Age group | <input type="text"/> | | | | |
| No Fish | <input type="text"/> | | | | |
| Mean Fish Wt | <input type="text"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="currently fallow"/> | Next Input Date (Site) | <input type="text" value="not known"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 records complete and correctly entered?
- 6. Are health certificates for introductions (out with 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?
- If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

| | | | | | |
|---|---|------------|-----------------------------|----------------------------------|---|
| Case Number: | 2018-0394 | Site No: | SS0244 | | |
| Date of Visit | 28/08/2018 | Inspector: | DJT | | |
| Number of Susceptible species on site | | | | | |
| If no susceptible species present = LOW risk | | | | | |
| If susceptible species present, score for each pathogen | | | | | |
| | | No | Yes | | |
| | Susceptible to Bonamia ostrea (OED) | 0 | 25 | 0 | |
| | Susceptible to Marteilia refringens (OED, MED) | 0 | 3 | 0 | |
| | Susceptible to OshV (CGI) | 0 | 3 | 0 | |
| Sites within a tidal excursion | | | | | |
| | | 1 | 2-5 | >6 | |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 | 10 | 0 |
| Live shellfish movements | | | | | |
| | | 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 <u>within</u> MSS Management Areas | 0 | 1 | 2 | 0 |
| | Frequency of movements off <u>out with</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 out with MSS management area | 0 | 4 | 8 | 0 |
| Biosecurity | | | | | |
| | Number of sites | 1 | 2 or 3 | ≥ 4 | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | 0 |
| | Sites sharing staff and equipment | 0 | 1 | 5 | 0 |
| | | Yes | | No | |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 | 0 | |
| Total Risk | | | | 0 | |
| Total Risk | | | | LOW | |

██████████
Northwind Mussels
Sonas, Cumasteel
Applecross
Ross-shire
IV54 8LT
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|-----------------|----------------------|--------------|
| BUSINESS No | SB0479 | DATE OF VISIT | 28/08/2018 |
| SITE No | SS0244 | SITE NAME | Loch Toscaig |
| INSPECTOR | David Tomlinson | CASE No | 20180394 |

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.

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

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: 05/09/2018

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

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
 Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: HI Water type: S CoGP MA: M-17

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

High mortality in the lumpfish since March. One treatment of florfenicol March 2018, Additional treatment 3/5/18, and a further one 25/7/18.

Three slice treatments in the cycle, last treatment was for Caligus which was effective. No issues with leps.

Fish could not be caught with feed as feeding at depth and have been through the cycle.

Treatment with peroxide planned for this week.

Plankton issues causing some gill irritation.

Treatments given to lumpfish and salmon for Moritella.

Lumpfish mortality wk 26 - 1158, wk27 - 2770, wk28 - 7493, wk29 - 9075, wk30 9078, wk31 - 4796, wk32 - 1940 , wk33 - 974, wk 34 - 717, wk35 (week of inspection) 183

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|------------------------------------|------------------------------------|--|---------------------------------|
| Total No facilities | <input type="text" value="10"/> | Facilities stocked | <input type="text" value="10"/> | No facilities inspected | <input type="text" value="10"/> |
| Species | <input type="text" value="SAL wrasse"/> | Lump | | | |
| Age group | <input type="text" value="2017 Q4"/> | <input type="text" value="25661"/> | <input type="text" value="22474"/> | | |
| No Fish | <input type="text" value="808,000"/> | <input type="text" value="Wild"/> | | | |
| Mean Fish Wt | <input type="text" value="1.75"/> | <input type="text" value="N/A"/> | | | |
| Next Fallow Date (Site) | <input type="text" value="August 2019"/> | | Next Input Date (Site) | <input type="text" value="November 2019"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

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

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: | |

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). | Moritella, AGD | |

Records checked between:

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 | | | | | | | | | | | | | |
|----------------|--------|------------|------------|--|--|--|--|--|--|--|--|--|--|
| Fish nos | 1-2 | 3-4 | | | | | | | | | | | |
| Pool Group | | | | | | | | | | | | | |
| Species | SAL | SAL | | | | | | | | | | | |
| Average weight | 1.7000 | 1.7000 | | | | | | | | | | | |
| Sex | N/A | N/A | | | | | | | | | | | |
| Water Type | SW | SW | | | | | | | | | | | |
| Stock Details | | | | | | | | | | | | | |
| | | Lochailort | Lochailort | | | | | | | | | | |
| Stock Origin | | | | | | | | | | | | | |
| Facility No | 3 | 1 | | | | | | | | | | | |

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

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|-----------------|----------------------|------------|
| BUSINESS No | FB0119 | DATE OF VISIT | 29/08/2018 |
| SITE No | FS0234 | SITE NAME | Torridon |
| INSPECTOR | David Tomlinson | CASE No | 20180395 |

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

The above site was visited in accordance with the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013.

Samples were taken to be analysed for veterinary residues.

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

Medicine records were inspected and found to be adequately maintained.

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.

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

R20

Signed:



Fish Health Inspector

Date: 05/09/2018

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

R20

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
Tel - 0131 244 3498 Fax - 0131 244 0944 Email - ms.fishhealth@gov.scot
Website - www.gov.scot/Topics/marine/science

Case No: 2018-0396 Date of visit: 29/08/2018

Time spent on site: 1h Main Inspector: DJT

Site No: SS0025 Site Name: Ob Ghorm Mhor
Business No: SB0016 Business Name: JG & B MacDonald & Sons

Case Types: 1 REG 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 fish present? If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
Gross pathology observed? If yes, see additional information/clinical score sheet.
Diagnostic samples taken?

UNI/REG only - if unable to carry out intended visit detail reason below:
No boat available

Additional Case Information:

Planning on cleaning the lines at some point in the future.

Manager plans to use the site for production.

Site is natural settlement only.

Site inspected from the shore

Case No: **2018-0396** Site No: **SS0025**
 Date of Visit: **29/08/2018** Inspector(s): **DJT**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|----------------|------------------------|-------------------------------------|-------------------------|----------|
| Total No facilities | 3 | Facilities stocked | 3 | No facilities inspected | 0 |
| Species | MED | | | | |
| Age group | mix | | | | |
| No Fish | unknown | | | | |
| Mean Fish Wt | N/A | | | | |
| Next Fallow Date (Site) | unknown | Next Input Date (Site) | natural spat collection only | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
- If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

| |
|----------------------|
| <input type="text"/> |
|----------------------|

| | |
|--------------------------|--|
| Records checked between: | <input type="text" value="No records to inspect"/> |
|--------------------------|--|

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0396 | Site No: | SS0025 |
| Date of Visit | 29/08/2018 | Inspector: | DJT |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 0 |
| | | | 3 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 0 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | | | 10 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | | | 20 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | | | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | | | 6 |
| | Number of destinations | 0 | 3 |
| | | | 6 |
| | | | 0 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| 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 |
| | | | 0 |
| 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 |
| | | Yes | No |
| | | | |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | |
| | | | 2 |
| Total Risk | | | |
| 7 | | | |
| LOW | | | |

[REDACTED]
JG & B MacDonald & Sons
Peat Port
Badachro
Gairloch
IV21 2AB
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|-----------------|----------------------|---------------|
| BUSINESS No | SB0016 | DATE OF VISIT | 29/08/2018 |
| SITE No | SS0025 | SITE NAME | Ob Ghorm Mhor |
| INSPECTOR | David Tomlinson | CASE No | 20180396 |

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 inspection could not be conducted as a boat was not available to access the site.

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

Aquaculture animal and aquaculture animal product movement records were inspected, however no movements have taken place since the last inspection.

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

No animal health surveillance had been carried out on behalf of the business or by Marine Scotland since the last 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: [REDACTED]

Date: 06/09/2018

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

R10

Case No: 2018-0397 Date of visit: 29/08/2018

Time spent on site: 1h Main Inspector: DJT

Site No: SS0026 Site Name: Ob Ghorm Beg
Business No: SB0016 Business Name: JG & B MacDonald & Sons

Case Types: 1 REG 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 fish present? If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
Gross pathology observed? If yes, see additional information/clinical score sheet.
Diagnostic samples taken?

UNI/REG only - if unable to carry out intended visit detail reason below:
no boat available

Additional Case Information:

Planning on cleaning the lines at some point in the future.

Manager plans to use the site for production.

Site is natural settlement only.

Site inspected from the shore.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--------------------------------------|------------------------|---|-------------------------|--------------------------------|
| Total No facilities | <input type="text" value="3"/> | Facilities stocked | <input type="text" value="3"/> | No facilities inspected | <input type="text" value="0"/> |
| Species | <input type="text" value="MED"/> | | | | |
| Age group | <input type="text" value="mix"/> | | | | |
| No Fish | <input type="text" value="unknown"/> | | | | |
| Mean Fish Wt | <input type="text" value="N/A"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="unknown"/> | Next Input Date (Site) | <input type="text" value="natural spat collection only"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 records complete and correctly entered?
- 6. Are health certificates for introductions (out with 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?
- If yes, detail:
- 7. Have increased (unexplained) mortalities been reported to vet or FHI?
- If yes, detail action:
- 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> y |
| 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"/> y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> y |
| 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"/> N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> |
| 3. Any significant results? | <input type="checkbox"/> |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> |

| |
|----------------------|
| <input type="text"/> |
|----------------------|

Records checked between:

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0397 | Site No: | SS0026 |
| Date of Visit | 29/08/2018 | Inspector: | DJT |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 0 |
| | | | 3 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 0 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | | | 10 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | | | 20 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | | | 2 |
| | Frequency of movements off <u>out with</u> MSS Management Areas | 0 | 3 |
| | | | 6 |
| | Number of destinations | 0 | 3 |
| | | | 6 |
| | | | 0 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| 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 out with MSS management area | 0 | 4 |
| | | | 8 |
| | | | 0 |
| 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 |
| | | Yes | No |
| | | | |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | |
| | | | 2 |
| Total Risk | | | |
| 7 | | | |
| LOW | | | |

██████████
JG & B MacDonald & Sons
Peat Port
Badachro
Gairloch
IV21 2AB
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|-----------------|----------------------|--------------|
| BUSINESS No | SB0016 | DATE OF VISIT | 29/08/2018 |
| SITE No | SS0026 | SITE NAME | Ob Ghorm Beg |
| INSPECTOR | David Tomlinson | CASE No | 20180397 |

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 inspection could not be conducted as a boat was not available to access the site.

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

Aquaculture animal and aquaculture animal product movement records were inspected, however no movements have taken place since the last inspection.

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

No animal health surveillance had been carried out on behalf of the business or by Marine Scotland since the last 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: 06/09/2018

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

R10

Case No: Date of visit:

Time spent on site: Main Inspector:

Site No: Site Name:
 Business No: Business Name:

Case Types: 1 2 3 4 5 6

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

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
 Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
 Gross pathology observed? If yes, see additional information/clinical score sheet.
 Diagnostic samples taken?

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

Additional Case Information:

Three lines on site for spat collection. Last year spat reported to be very poor, however, this year has been very good, with some sites being excellent. All shells are sold through the SSMG.

No issues reported at this site, not predation issues. Good spat settlement observed on lines.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|---------------------------------------|---|------------------------|---|--------------------------------|--------------------------------|
| Total No facilities | <input type="text" value="3"/> | Facilities stocked | <input type="text" value="3"/> | No facilities inspected | <input type="text" value="3"/> |
| Species | <input type="text" value="MED"/> | | | | |
| Age group | <input type="text" value="2018 Spat"/> | | | | |
| No Fish | <input type="text" value="3 lines"/> | | | | |
| Mean Fish Wt | <input type="text" value="mixed"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="Harvest 2020"/> | Next Input Date (Site) | <input type="text" value="Spat collection 2020"/> | | |
| Recent (last 4 wks) disease problems? | <input type="text" value="N"/> | | Any escapes (since last visit)? | <input type="text" value="N"/> | |
| If yes, detail: | <input type="text"/> | | | | |

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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

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"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| 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"/> | N |
| 2. If yes, are results available for inspection? | <input type="checkbox"/> | |
| 3. Any significant results? | <input type="checkbox"/> | |
| If yes, detail (if not detailed under recent disease problems). | <input type="text"/> | |

Records checked between:

| | | | | | |
|---|---|------------|-----------------------------|----------------------------------|----|
| Case Number: | 2018-0402 | Site No: | SS0751 | | |
| Date of Visit | 27/08/2018 | Inspector: | PMM | | |
| Number of Susceptible species on site | | | | | |
| If no susceptible species present = LOW risk | | | | | |
| If susceptible species present, score for each pathogen | | | | | |
| | | No | Yes | | |
| | Susceptible to Bonamia ostrea (OED) | 0 | 25 | 0 | |
| | Susceptible to Marteilia refringens (OED, MED) | 0 | 3 | 3 | |
| | Susceptible to OshV (CGI) | 0 | 3 | 0 | |
| Sites within a tidal excursion | | | | | |
| | | 1 | 2-5 | >6 | |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 | 10 | 10 |
| Live shellfish movements | | | | | |
| | | 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 <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 | Sites operating from single shorebase | 0 | 1 | 2 | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 5 | 5 |
| | | | Yes | No | |
| | Disinfection of equipment between sites, use of footbaths etc | | 0 | 2 | 0 |
| Total Risk | | | | 29 | |
| | | | | MEDIUM | |

██████████
Eastvoe Shellfish
Sained Eastvoe
Scalloway
Shetland
ZE1 0US
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|-------------------|
| BUSINESS No | SB0432 | DATE OF VISIT | 27/08/2018 |
| SITE No | SS0751 | SITE NAME | Whale Back Skerry |
| INSPECTOR | Paul McKay | CASE No | 20180402 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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



Signed:

Fish Health Inspector

Date: 25/10/2018

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

Case No: 2018-0403 Date of visit: 27/08/2018

Time spent on site: 45 mins Main Inspector: PMM

Site No: SS0805 Site Name: Whalsies Ayre

Business No: SB0432 Business Name: Eastvoe Shellfish

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12.9 Thermometer No: T153 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N/A

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

Additional Case Information:

Seven lines on site, one line is ready to harvest. However, area currently closed due to toxin results, last harvest was reported to have been June 2018. The remaining six lines on site for spat collection. Last year spat reported to be very poor, however, this year has been very good. All shells are sold through the SSMG.

No issues reported at this site, some predation from eider ducks, although not reported to have been as heavy predation this year. Good spat settlement observed on lines.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|--------------------------------------|--------------------------------|---|--------------------------------|
| Total No facilities | <input type="text" value="7"/> | Facilities stocked | <input type="text" value="7"/> | No facilities inspected | <input type="text" value="7"/> |
| Species | <input type="text" value="MED"/> | <input type="text" value="MED"/> | | | |
| Age group | <input type="text" value="2018 Spat"/> | <input type="text" value="2016"/> | | | |
| No Fish | <input type="text" value="6 lines"/> | <input type="text" value="1 lines"/> | | | |
| Mean Fish Wt | <input type="text" value="mixed"/> | <input type="text" value="mixed"/> | | | |
| Next Fallow Date (Site) | <input type="text" value="Never fallow"/> | | Next Input Date (Site) | <input type="text" value="2018 Spat collection"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection? Y

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included? Y

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers? Y

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? Y

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? Y

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y

8. Have the biosecurity procedures been adequately implemented on site? Y

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0403 | Site No: | SS0805 |
| Date of Visit | 27/08/2018 | Inspector: | PMM |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 0 |
| | | | 3 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 10 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | | | 10 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | | | 20 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | | | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | | | 6 |
| | Number of destinations | 0 | 3 |
| | | | 6 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| 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 |
| | | | 0 |
| | | | 0 |
| 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 |
| | | Yes | No |
| | | | |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | |
| | | | 2 |
| | | | 2 |
| Total Risk | | | 22 |
| | | | MEDIUM |

██████████
Eastvoe Shellfish
Sained Eastvoe
Scalloway
Shetland
ZE1 0US
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|---------------|
| BUSINESS No | SB0432 | DATE OF VISIT | 27/08/2018 |
| SITE No | SS0805 | SITE NAME | Whalsies Ayre |
| INSPECTOR | Paul McKay | CASE No | 20180403 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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



Signed:

Date: 25/10/2018

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

Case No: 2018-0404 Date of visit: 27/08/2018

Time spent on site: 45 mins Main Inspector: PMM

Site No: SS0878 Site Name: Kallee Ness
Business No: SB0432 Business Name: Eastvoe Shellfish

Case Types: 1 ECI 2 3 4 5 6

Water Temp (°C): 12.9 Thermometer No: T153 FHI 045 completed

Observations: Region: SH Water type: S CoGP MA:

Dead/weak/abnormally behaving fish present? N 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? N/A

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

Additional Case Information:

Six lines on site, 3 lines are 2018 spat settlement and the remaining 3 lines are 2016 settlement that are ready to harvest, it was reported that there was only good growth on top metre of lines. All shells sold through the SSMG. No issues reported at this site, some predation from eider ducks, although not reported to have been as heavy predation this year. Good spat settlement observed on lines.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|---|--------------------------------------|--------------------------------|---|--------------------------------|
| Total No facilities | <input type="text" value="6"/> | Facilities stocked | <input type="text" value="6"/> | No facilities inspected | <input type="text" value="6"/> |
| Species | <input type="text" value="MED"/> | <input type="text" value="MED"/> | | | |
| Age group | <input type="text" value="2018 Spat"/> | <input type="text" value="2016"/> | | | |
| No Fish | <input type="text" value="3 lines"/> | <input type="text" value="3 lines"/> | | | |
| Mean Fish Wt | <input type="text" value="mixed"/> | <input type="text" value="mixed"/> | | | |
| Next Fallow Date (Site) | <input type="text" value="Never fallow"/> | | Next Input Date (Site) | <input type="text" value="2018 Spat collection"/> | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection? Y

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? Y

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included? Y

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers? Y

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? Y

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? Y

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? Y

8. Have the biosecurity procedures been adequately implemented on site? Y

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

| | | | |
|---|---|-----------------------------|----------------------------------|
| Case Number: | 2018-0404 | Site No: | SS0878 |
| Date of Visit | 27/08/2018 | Inspector: | PMM |
| Number of Susceptible species on site | | | |
| If no susceptible species present = LOW risk | | | |
| If susceptible species present, score for each pathogen | | | |
| | | No | Yes |
| Susceptible to Bonamia ostrea (OED) | | 0 | 25 |
| Susceptible to Marteilia refringens (OED, MED) | | 0 | 3 |
| Susceptible to OshV (CGI) | | 0 | 3 |
| | | | 0 |
| | | | 3 |
| | | | 0 |
| Sites within a tidal excursion | | | |
| | | 1 | 2-5 |
| | | | >6 |
| Site contacts | Number of sites holding susceptible species within a tidal excursion | 0 | 2 |
| | | | 10 |
| | | | 10 |
| Live shellfish movements | | | |
| | | 0 | 1-2 |
| | | | >3 |
| Movements on | Frequency of movements on from equivalent MS | 0 | 5 |
| | | | 10 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 10 |
| | | | 20 |
| | Number of suppliers | 0 | 5 |
| | | | 10 |
| | | | 0 |
| Movements off | Frequency of movements off <u>within</u> MSS Management Areas | 0 | 1 |
| | | | 2 |
| | Frequency of movements off <u>outwith</u> MSS Management Areas | 0 | 3 |
| | | | 6 |
| | Number of destinations | 0 | 3 |
| | | | 6 |
| | | | 0 |
| | | | 0 |
| | | | 0 |
| Management practices | | | |
| | | Secure (effluent treatment) | Unsecure (no effluent treatment) |
| | | None | |
| 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 |
| | | | 0 |
| | | | 0 |
| 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 |
| | | Yes | No |
| | Disinfection of equipment between sites, use of footbaths etc | 0 | 2 |
| | | | 2 |
| | | | 2 |
| Total Risk | | | 22 |
| | | | MEDIUM |

██████████
Eastvoe Shellfish
Sained Eastvoe
Scalloway
Shetland
ZE1 0US
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|-------------|
| BUSINESS No | SB0432 | DATE OF VISIT | 27/08/2018 |
| SITE No | SS0878 | SITE NAME | Kallee Ness |
| INSPECTOR | Paul McKay | CASE No | 20180404 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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

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

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

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

A black rectangular box redacting the signature of the Fish Health Inspector.

Signed:

Date: 25/10/2018

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

| | | | | | | |
|---|--|--|---|------------------------------------|---------------------------------|---------------------------------|
| Case No: | <input type="text" value="2018-0405"/> | Date of visit: | <input type="text" value="28/08/2018"/> | | | |
| Time spent on site: | <input type="text" value="3 hrs"/> | Main Inspector: | <input type="text" value="PMM"/> | | | |
| Site No: | <input type="text" value="FS0433"/> | Site Name: | <input type="text" value="Langa Isle (East)"/> | | | |
| Business No: | <input type="text" value="FB0440"/> | Business Name: | <input type="text" value="Grieg Seafood Shetland Ltd"/> | | | |
| Case Types: | 1 <input type="text" value="ECI"/> | 2 <input type="text" value="CNI"/> | 3 <input type="text" value="SLI"/> | 4 <input type="text" value="VMD"/> | 5 <input type="text" value=""/> | 6 <input type="text" value=""/> |
| Water Temp (°C): | <input type="text" value="12.6"/> | Thermometer No: | <input type="text" value="T153"/> | FHI 045 completed | <input type="text" value=""/> | |
| Observations: | Region: | SH | Water type: | S | CoGP MA: | S-11 |
| Dead/weak/abnormally behaving fish present? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Clinical signs of disease observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Gross pathology observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Diagnostic samples taken? | <input type="text" value="N"/> | | | | | |

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

Additional Case Information:

All stocked cages have 5m sea lice skirts installed, aeration also installed in all cages, diffusers at four points in every cage. All cages fed and monitored from shorebase and were deeper in the water. Fish for VMD were caught using a box net, all fish sampled appeared healthy and in good condition.

Daily water samples are taken and processed at lab in Lerwick, site had reported some bleeding in gills during lice counts/gill checks. This has not been attributed to a cause yet and to be investigated. No dead, moribund or lethargic fish observed at time of inspection.

Sea lice levels very low so far this cycle, a SLICE treatment was conducted beginning 24/07. A large number of wild fish were observed outside cages, these have reportedly increased in recent weeks.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|--|------------------------|--|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="10"/> | Facilities stocked | <input type="text" value="9"/> | No facilities inspected | <input type="text" value="10"/> |
| Species | <input type="text" value="SAL"/> | | | | |
| Age group | <input type="text" value="2018 S1"/> | | | | |
| No Fish | <input type="text" value="357,637"/> | | | | |
| Mean Fish Wt | <input type="text" value="814g"/> | | | | |
| Next Fallow Date (Site) | <input type="text" value="Sept 2019"/> | Next Input Date (Site) | <input type="text" value="2020 S1 input"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

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

Biosecurity Records

| | | |
|--|--------------------------|---|
| 1. Biosecurity records available for inspection? | <input type="checkbox"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| If no, detail: | | |

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"/> | N |
| If yes, detail (if not detailed under recent disease problems). | | |

| | |
|--|--|
| | |
|--|--|

Records checked between:

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 | | | | | | | | | | | | |
|----------------|------------------|------------------|------------------|-------------|---|---|---|--|--|--|--|--|
| Fish nos | 1-2 | 3-4 | 5-6 | | | | | | | | | |
| Pool Group | | | | | | | | | | | | |
| Species | SAL | SAL | SAL | | | | | | | | | |
| Average weight | 0.8000 | 0.8000 | 0.8000 | | | | | | | | | |
| Sex | | | | | | | | | | | | |
| Water Type | SW | SW | SW | | | | | | | | | |
| Stock Origin | Girista Hatchery | Girista Hatchery | Girista Hatchery | | | | | | | | | |
| | | | | Facility No | 1 | 3 | 5 | | | | | |

| | | | | | | |
|--|---|------------------------------------|---------------|-----------------|---------------|-------------|
| Case Number: | 2018-0405 | Site No: | FS0433 | Insp: | PMM | |
| Date of Visit | 28/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 10 |
| | Number of destinations | 0 | 3 | 6 | 10 | 3 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | 0 |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 4 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | 0 |
| | Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion | 1 | 4 | 8 | | 0 |
| Management practices | | None | Secure | Unsecure | | |
| Water contacts with processors | Any processing plant discharging into adjacent waters | 0 | 1 | 2 | | 1 |
| On farm processing within the rules of the directive | No on farm processing | 0 | | | | 0 |
| | Processing own fish (re-cycling risk) | 1 | | | | 0 |
| | Processing fish from MS of equivalent status | 2 | | | | 0 |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | 0 |
| | Processing fish from Category III farm | 8 | | | | 0 |
| | Processing fish from Category V farm | 10 | | | | 0 |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | 0 |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | 0 |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | 0 |
| Biosecurity | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 2 | | 2 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | 0 |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | 3 |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | 0 |
| Total Rank | | | | | 28 | HIGH |

Case No: **2018-0405**

Site No: **FS0433**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

M.M.L., Predator Nets (below), Tensioned Nets

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?

If Yes proceed with questions 4 – 9. If No skip to question 10

- 4. Have these been reported to Scottish Ministers?

- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 7. Were methods (if any) used to recover escapees? If yes give detail

- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)

- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)

- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0405

Site No: FS0433

Date of Visit: 28/08/2018

Inspector: PMM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

[REDACTED]
Grieg Seafood Shetland Ltd
Gremista
Lerwick
Shetland
ZE1 OPX
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|-------------------|
| BUSINESS NO | FB0440 | DATE OF VISIT | 28/08/2018 |
| SITE NO | FS0433 | SITE NAME | Langa Isle (East) |
| INSPECTOR | Paul McKay | CASE NO | 20180405 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

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.

R25

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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



Signed:

Date: 11/12/2018

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

| | | | | | | |
|---|----------------------------|--|----------------------------|-------------------|----------|------|
| Case No: | 2018-0406 | Date of visit: | 28/08/2018 | | | |
| Time spent on site: | 3.5 hrs | Main Inspector: | PMM | | | |
| Site No: | FS0515 | Site Name: | North Papa | | | |
| Business No: | FB0440 | Business Name: | Grieg Seafood Shetland Ltd | | | |
| Case Types: | 1 ECI | 2 CNI | 3 SLI | 4 VMD | 5 | 6 |
| Water Temp (°C): | 12.4 | Thermometer No: | T153 | FHI 045 completed | | |
| Observations: | Region: | SH | Water type: | S | CoGP MA: | S-11 |
| Dead/weak/abnormally behaving fish present? | <input type="checkbox"/> N | If yes, see additional information/clinical score sheet. | | | | |
| Clinical signs of disease observed? | <input type="checkbox"/> N | If yes, see additional information/clinical score sheet. | | | | |
| Gross pathology observed? | <input type="checkbox"/> N | If yes, see additional information/clinical score sheet. | | | | |
| Diagnostic samples taken? | <input type="checkbox"/> N | | | | | |

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

| |
|--|
| |
|--|

Additional Case Information:

Mortalities also to Shetland Waste to Energy plant as well as TWMA. Waste to energy plant has limited capacity. All cages fitted with sea lice skirts and aeration. Multiple inputs on site, 2017 S0 moved from Taing of Rainsborough and 2018 S1 from Girsta, Torridon Smolts and Migdale Smolts. Two dead observed across site, not fresh dead, therefore not sampled. Site reported that there had been some bleeding from the gills observed during sea lice counts/gill checks, however, this has not been attributed to cause of mortalities. Company vet was due to visit site 29/08. Fish sampled for VMD appeared in good condition.

Freshwater treatment conducted to treat gills at beginning of August

Daily water samples are taken and processed at main office in Lerwick, no issues reported. Trialling ROV for mortality collection, had previously been trialled in Setterness. This was reported to be working well.

Case No: **2018-0406** Site No: **FS0515**
 Date of Visit: **28/08/2018** Inspector(s): **PMM**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|------------------|--------------------|------------------------|-------------------------|-----------|
| Total No facilities | 10 | Facilities stocked | 8 | No facilities inspected | 10 |
| Species | SAL | SAL | LUM | | |
| Age group | 2017 S0 | 2018 S1 | 2017 | | |
| No Fish | ~112,000 | ~182,000 | ~45,000 | | |
| Mean Fish Wt | 2.7kg | 950g | Mixed | | |
| Next Fallow Date (Site) | Sept 2019 | | Next Input Date (Site) | 2020 S1 input | |

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **N**
 If yes, detail:

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **04/04/2017**
 3. Are records complete and correctly entered? **N**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 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)? **Y**
 If yes, is there a system in place for maintenance of transportation records? **Y**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Whole fish - TWMA (Shetland)**
 If other detail:
 3. Mortality records complete and correctly entered? **Y**

31/07 - 684 for site (397 attributed to failed smolts & 287 to physical damage),
 06/08 - 716 for site (441 attributed to failed smolts & 275 to physical damage),
 13/08 - 887 for site (749 attributed to failed smolts & 138 to physical damage),
 20/08 - 1,017 for site (785 attributed to failed smolts & 232 to physical damage)

4. Recent mortality (last 4 wks):
 5. Evidence of recent increased/atypical mortalities? **N**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:

6. Any other peaks in mortality during period checked? **Y**
 If yes, detail: **22/01 - 84,156 during transport from Taing of Rallsborough. A fresh water treatment was being conducted in well boat and is the likely cause mortalities.**

7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**
 If yes, detail action: **See above no further action**

8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet. **N/A**

Treatments and Medicines Records

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

Biosecurity Records

| | | |
|--|--------------------------|---|
| 1. Biosecurity records available for inspection? | <input type="checkbox"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| If no, detail: | | |

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"/> | N |
| If yes, detail (if not detailed under recent disease problems). | | |

Records checked between: April 2017 to August 2018

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 | | | | | | | | | | | | |
| | Fish nos | 1 | 2 | 3 | | | | | | | | | |
| | Pool Group | | | | | | | | | | | | |
| Stock Details | Species | SAL | SAL | SAL | | | | | | | | | |
| | Average weight | 2.7kg | 2.7kg | 2.7kg | | | | | | | | | |
| | Sex | | | | | | | | | | | | |
| | Water Type | SW | SW | SW | | | | | | | | | |
| | Stock Origin | Taing of Railsborough | Taing of Railsborough | Taing of Railsborough | | | | | | | | | |
| | Facility No | 1 | 2 | 4 | | | | | | | | | |

| | | | | | | |
|--|---|------------------------------------|---------------|-----------------|---------------|-------------|
| Case Number: | 2018-0406 | Site No: | FS0515 | Insp: | PMM | |
| Date of Visit | 28/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 10 |
| | Number of destinations | 0 | 3 | 6 | 10 | 3 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | 0 |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 4 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | 0 |
| | Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion | 1 | 4 | 8 | | 0 |
| Management practices | | None | Secure | Unsecure | | |
| Water contacts with processors | Any processing plant discharging into adjacent waters | 0 | 1 | 2 | | 1 |
| On farm processing within the rules of the directive | No on farm processing | 0 | | | | 0 |
| | Processing own fish (re-cycling risk) | 1 | | | | 0 |
| | Processing fish from MS of equivalent status | 2 | | | | 0 |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | 0 |
| | Processing fish from Category III farm | 8 | | | | 0 |
| | Processing fish from Category V farm | 10 | | | | 0 |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | 0 |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | 0 |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | 0 |
| Biosecurity | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 2 | | 2 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | 1 |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | 3 |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | 0 |
| Total Rank | | | | | 29 | HIGH |

Case No: **2018-0406**

Site No: **FS0515**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

Top Net, Tensioned nets, predator nets, M.M.L.

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?

If Yes proceed with questions 4 – 9. If No skip to question 10

- 4. Have these been reported to Scottish Ministers?

- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)

- 7. Were methods (if any) used to recover escapees? If yes give detail

- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)

- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)

- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0406

Site No: FS0515

Date of Visit: 28/08/2018

Inspector: PMM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

| |
|---|
| Site No: FS0515 |
| Case No: 2018-0406 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



██████████
Grieg Seafood Shetland Ltd
Gremista
Lerwick
Shetland
ZE1 OPX
██████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | FB0440 | DATE OF VISIT | 28/08/2018 |
| SITE No | FS0515 | SITE NAME | North Papa |
| INSPECTOR | Paul McKay | CASE No | 20180406 |

Inspection under the Aquatic Animal Health (Scotland) Regulations 2009

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

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

Records

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

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

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

R25

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

The following point was raised with the site representative during the inspection:

- FS numbers must be recorded in the source/destination section of the movement record book, to allow for better traceability of stocks. It was discussed with the site manager that this would be recorded in future. No further action is required.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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



Signed:

Date: 25/10/2018

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

| | | | | | | |
|---|--|--|---|------------------------------------|---------------------------------|---------------------------------|
| Case No: | <input type="text" value="2018-0408"/> | Date of visit: | <input type="text" value="29/08/2018"/> | | | |
| Time spent on site: | <input type="text" value="7 hrs"/> | Main Inspector: | <input type="text" value="PMM"/> | | | |
| Site No: | <input type="text" value="FS1027"/> | Site Name: | <input type="text" value="Linga (Setterness)"/> | | | |
| Business No: | <input type="text" value="FB0440"/> | Business Name: | <input type="text" value="Grieg Seafood Shetland Ltd"/> | | | |
| Case Types: | 1 <input type="text" value="ECI"/> | 2 <input type="text" value="CNI"/> | 3 <input type="text" value="SLI"/> | 4 <input type="text" value="VMD"/> | 5 <input type="text" value=""/> | 6 <input type="text" value=""/> |
| Water Temp (°C): | <input type="text" value="12.7"/> | Thermometer No: | <input type="text" value="T153"/> | FHI 045 completed | <input type="text" value=""/> | |
| Observations: | Region: | SH | Water type: | S | CoGP MA: | S-4 |
| Dead/weak/abnormally behaving fish present? | <input type="text" value="Y"/> | If yes, see additional information/clinical score sheet. | | | | |
| Clinical signs of disease observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Gross pathology observed? | <input type="text" value="N"/> | If yes, see additional information/clinical score sheet. | | | | |
| Diagnostic samples taken? | <input type="text" value="N"/> | | | | | |

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

Additional Case Information:

Site to use both live and dead haul for harvesting, with all fish going directly to LFT. Two harvests conducted in last week. Site was due to fallow by October 2018 and will be stocking in Jan 2019 with fish from Taing of Rallsborough. All cages stocked with lumpfish from Ocean Matters, Anglesey. All lumpfish vaccinated with vaccine developed with Ridgeway vaccines. Sea lice numbers have recently increased over the reporting level of 3, a salmosan treatment was planned, however following the developing issue with increasing mortalities attributed to CMS on site and veterinary advice, it was reported that the salmosan treatment will only be conducted on cages 9 & 10 where the mortality numbers are still low and cages are not presenting the problems observed in the other stock. A decision has been made to reduce biomass, targetting the worst affected cages first (cages 6 & 7) and to be conducted by dead haul (~18,000 per day) to maximise efficiency of the harvests. Salmosan treatment is scheduled to begin 29/08 using the Ronja Commander, which was conducting treatments at Setterness North (Bomlo).

Divers were on site at time of inspection conducting mortality removal using an uplift system, divers had conducted initial dives earlier in the day to estimate mortalities and it had been reported that high numbers were expected from cages 6 & 7, these cages were to be done last. Fish are fed and monitored from shorebase, feeding begins at 7am and fish were deeper in the water during inspection. No moribund observed at time of inspection, 10 dead (not fresh dead) were observed and removed by site staff. Visibility was excellent at times during inspection and some lethargic fish could be observed deeper in the water sitting in to the tide. Site staff had actively been removing moribund fish during daily checks. Three fish collected for VMD sampling, fish appeared healthy externally.

A fresh water treatment was conducted 21/05 to 31/05 and was reported to have given excellent clearance.

Operator has a cage/tarp in Swining Voe for freshwater collection, however, since installation there has been very little rain, so freshwater used for treatments has been coming from the collection point in Copister.

Case No: **2018-0408** Site No: **FS1027**
 Date of Visit: **29/08/2018** Inspector(s): **PMM**

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|-----------------|--------------------|------------------------|-------------------------|-----------|
| Total No facilities | 10 | Facilities stocked | 9 | No facilities inspected | 10 |
| Species | SAL | LUM | | | |
| Age group | 2017 S1 | 2017 | | | |
| No Fish | ~417,000 | ~68,000 | | | |
| Mean Fish Wt | 4.1kg | Mixed | | | |
| Next Fallow Date (Site) | Oct 2018 | | Next Input Date (Site) | 2019 S1 | |

Recent (last 4 wks) disease problems? **N** Any escapes (since last visit)? **N**
 If yes, detail:

Movement Records

1. Movement records available for inspection? **Y**
 2. Date of last inspection: **26/06/2017**
 3. Are records complete and correctly entered? **Y**
 4. Are movement records available for dead fish and waste? **Y**
 5. Are records complete and correctly entered? **Y**
 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)? **Y**
 If yes, is there a system in place for maintenance of transportation records? **Y**

Mortality Records

1. Mortality records available for inspection? **Y**
 2. How are mortalities disposed of? **Whole fish - TWMA (Shetland)**
 If other detail:
 3. Mortality records complete and correctly entered? **Y**
 4. Recent mortality (last 4 wks): **Salmon -31/7 - 1,166 for site (poor doers and physical damage), 06/08 - 1,079 for site (612 to physical damage and poor doers, 467 to CMS), 13/08 - 4,027 for site (2,045 poor doers and physical damage, 1,982 to CMS), 20/08 - 3,352 for site (667 to poor doers and physical damage, 2,685 to CMS). Lumpfish - single to low double figures per cage per week attributed to physical damage and unknown.**
 5. Evidence of recent increased/atypical mortalities? **Y**
 If yes, facility nos/no mortality per facility/no stock per facility/reason:

See question 4
 6. Any other peaks in mortality during period checked? **Y**
 If yes, detail: **02/17 - 9,700 for site post treatment losses.**
 7. Have increased (unexplained) mortalities been reported to vet or FHI? **Y**
 If yes, detail action: **CMS recently diagnosed on site, worst affected cages are to being harvested.**
 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"/> | Y |
| If yes, detail: | TMS | |
| If other, detail: | | |
| 2. Medicines records available for inspection? | <input type="checkbox"/> | Y |
| 3. Are records complete and correctly entered? | <input type="checkbox"/> | Y |
| 4. Are fish in a withdrawal period? | <input type="checkbox"/> | Y |
| 5. If yes, what treatment(s)? | TMS | |
| If other, detail: | | |
| 6. Are medicines stored appropriately? | <input type="checkbox"/> | Y |

Biosecurity Records

| | | |
|--|--------------------------|---|
| 1. Biosecurity records available for inspection? | <input type="checkbox"/> | Y |
| 2. Has the manner and frequency of mortality removal, recording and safe disposal been considered? | <input type="checkbox"/> | Y |
| 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"/> | Y |
| 4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers? | <input type="checkbox"/> | Y |
| 5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)? | <input type="checkbox"/> | Y |
| 6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)? | <input type="checkbox"/> | Y |
| 7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site? | <input type="checkbox"/> | Y |
| 8. Have the biosecurity procedures been adequately implemented on site? | <input type="checkbox"/> | Y |
| If no, detail: | | |

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"/> | N |
| If yes, detail (if not detailed under recent disease problems). | | |

Records checked between:

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 | | | | | | | | | | | | |
| | Fish nos | 1 | 2 | 3 | | | | | | | | | |
| | Pool Group | | | | | | | | | | | | |
| Stock Details | Species | SAL | SAL | SAL | | | | | | | | | |
| | Average weight | 4.1kg | 4.1kg | 4.1kg | | | | | | | | | |
| | Sex | N/A | N/A | N/A | | | | | | | | | |
| | Water Type | SW | SW | SW | | | | | | | | | |
| | Stock Origin | Girlista Hatchery | Landcatch Ormsary Smolt Unit | Landcatch Ormsary Smolt Unit | | | | | | | | | |
| | Facility No | 8 | 9 | 10 | | | | | | | | | |

| | | | | | | |
|--|---|------------------------------------|---------------|-----------------|---------------|-------------|
| Case Number: | 2018-0408 | Site No: | FS1027 | Insp: | PMM | |
| Date of Visit | 29/08/2018 | No of movements/supp./dest. | | | Score | |
| Live fish movements | | 0 | 1-5 | 6-10 | >10 | |
| Movements on (from out with GB) of susceptible species | Frequency of movements on from equivalent MS | 0 | 5 | 10 | 14 | 0 |
| | Frequency of movements on from equivalent zone or compartment including third country | 0 | 9 | 18 | 26 | 0 |
| | Number of suppliers | 0 | 5 | 10 | 14 | 0 |
| Movements off | Frequency of movements off | 0 | 3 | 6 | 10 | 10 |
| | Number of destinations | 0 | 3 | 6 | 10 | 3 |
| Exposure via water | Site contacts | 0 | 1-5 | 6-10 | | |
| Water contacts with other farms (holding species susceptible to same diseases) | Farm is protected (secure water supply through disinfection or borehole) | 0 | | | | 0 |
| | Farm is on-line or in a coastal zone with category I farms upstream or within 1 tidal excursion | 1 | 2 | 4 | | 4 |
| | Farm is on-line or in a coastal zone with category III farms upstream or within 1 tidal excursion | 1 | 3 | 6 | | 0 |
| | Farm is on-line or in a coastal zone with category V farms upstream or within 1 tidal excursion | 1 | 4 | 8 | | 0 |
| 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 processing | 0 | | | | 0 |
| | Processing own fish (re-cycling risk) | 1 | | | | 1 |
| | Processing fish from MS of equivalent status | 2 | | | | 0 |
| | Processing fish from zone or compartment of equivalent status | 4 | | | | 0 |
| | Processing fish from Category III farm | 8 | | | | 0 |
| | Processing fish from Category V farm | 10 | | | | 0 |
| Disposal of fish and fish by-products | Site's own waste only processed. | 0 | | | | 0 |
| | Common processes with other farms | 3 | | | | 3 |
| | Collection point for waste from other farms | 5 | | | | 0 |
| Use of unpasteurised feeds | No feeding of unpasteurised feed | 0 | | | | 0 |
| | Feeding unpasteurised feed | 5 | | | | 0 |
| Biosecurity | Number of sites | 1 | 2 or 3 | ≥ 4 | | |
| Contacts with other sites | Sites operating from single shorebase | 0 | 1 | 2 | | 2 |
| | Sites sharing staff and equipment | 0 | 1 | 2 | | 2 |
| Disinfection of equipment between sites, use of footbaths etc | Yes | 0 | | | | 0 |
| | No | 1 | | | | 0 |
| CoGP/Regulator | | | | | | |
| Practices in accordance with regulator or industry code of practice | Yes | 0 | | | | 0 |
| | No | 3 | | | | 3 |
| Platform access to cages | Yes | 0 | | | | 0 |
| | No | 2 | | | | 0 |
| Total Rank | | | | | 28 | HIGH |

Case No: **2018-0408**

Site No: **FS1027**

Sea Lice Inspection (Seawater Sites Only)

- 1. Has the site experienced sea lice problems in the previous 4 years?
- 2. Is the CoGP Farm Management Area (or equivalent) followed synchronously on a single year class basis?
- 3. Does the site have access to a range of licenced in-feed and bath sea lice medications (including deltamethrin, azamethiphos and emamectin benzoate) as well as access to suitable biological and/or mechanical control measures, and can these be deployed in a reasonable period of time?
- 4. Is there a signed documented farm management agreement or statement relevant to the site and CoGP Farm Management Area (or equivalent)?
- 5. Are sea lice count records available for inspection? (Legal SSI, CoGP Annex 6)
- 6. Do records adequately reflect the required standard specified in the SSI and the CoGP? (Legal SSI, CoGP Annex 6)
- 7. Are sea lice (*L. salmonis*) record levels below the suggested criteria for treatment in the CoGP during the period that records are inspected? (CoGP Annex 6)
- 8. Have average adult female sea lice (*L. salmonis*) numbers per fish been at a level of 3 or above during the period that records are inspected?
- If yes, have these been reported to the Fish Health Inspectorate? If no, FHI see comment.
- 9. Is *C. elongatus* infestation at a level which is considered to cause significant welfare problems? (CoGP 4.3.81, 5.3.50)
- 10. Have therapeutic treatments been administered or other actions taken when *L. salmonis* levels have exceeded the suggested criteria for treatment or where *C. elongatus* is considered to have welfare implications? (CoGP 4.3.82, 5.3.51)
- 11. Has any other action been taken (where applicable)?
- 12. Have therapeutic treatments or the actions taken had a significant impact upon the lice levels 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 held without treatment for sea lice?
- 15. Is there a site specific written lice management procedure with waypoints describing set actions to deal with recognised scenarios during the escalation of a sea lice infestation?
- 16. Does the stock on site appear satisfactory in relation to sea lice level and sea lice count data? If no please detail reasons.

Containment Inspection

- 1. Has the site experienced equipment damage due to predators in the current or previous production cycles?
- 2. Are measures in place to mitigate against the predation experienced on site? (Detail below)

M.M.L., Tensioned Nets, Top Nets

If other, detail below:

- 3. Have escape incidents or events been experienced on or in the vicinity of the site since the last FHI inspection?
- If Yes proceed with questions 4 – 9. If No skip to question 10
- 4. Have these been reported to Scottish Ministers?
- 5. Have these been reported to local DSFB forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 6. Have these been reported to the SSPO and local fisheries trusts forthwith (where they exist)? (CoGP – 4.4.37, 5.4.17)
- 7. Were methods (if any) used to recover escapees? If yes give detail
- 8. If gill nets were deployed was this action agreed with local wild fish interests and was permission given by Scottish Ministers? (Legal, CoGP – 4.4.38, 5.4.18)
- 9. What action was taken to prevent and minimise the risk of further escapes? (Not covered in code but could be considered under satisfactory measures of the Act)
- 10. Is the site inspected as satisfactory with regards to containment? If no, please detail reason(s)

Case No: 2018-0408

Site No: FS1027

Date of Visit: 29/08/2018

Inspector: PMM

Point of Compliance

1. Is the farm under inspection located within a farm management area?

If N, no further questions require completion.

Points of Compliance for Both Farm Management Agreements and Statements

2. Has a current farm management agreement or statement (FMAg/S) been prepared?

3. Is the current FMAg/S available for inspection?

4. Does the FMAg/S identify the relevant farm management area?

5. Does the FMAg/S identify the fish farm site(s) to which it applies?

6. Does the FMAg/S identify the date of commencement of the agreement or statement?

7. Does the FMAg/S identify the date of review?

Arrangements for Fish Health Management

8. Does the FMAg/S identify the minimum health standards for the stocks to be introduced to the area or farm?

9. Does the FMAg/S identify the vaccination requirements for stocks held in the area or farm?

10. Does the FMAg/S identify the species of fish which may be stocked into the area or farm?

11. Does the FMAg/S identify the maximum stocking density of any pen on any farm in the area or the individual farm?

12. Does the FMAg/S identify the arrangements for the storage and disposal of any dead fish from any fish farm in the area or the individual farm?

Arrangements for The Management of Sea Lice

13. Does the FMAg/S identify arrangements for the sharing of data on sea lice numbers and treatments?

14. Does the FMAg/S identify the availability and the use of medicines on farms covered by the agreement of statement?

15. Does the FMAg/S identify any requirements for the sensitivity testing of available treatments for sea lice on farms in the area or individual farms?

16. Does the FMAg/S identify the circumstances under which biological controls and cleaner fish are to be used on farms in the area or individual farms?

17. Does the FMAg/S identify the arrangements for synchronous treatments on farms within the area?

Live Fish Movements

18. Does the FMAg/S identify the circumstances when live fish may be introduced or removed from the area or farm?

19. Does the FMAg/S identify the arrangements for the movement of live fish on and off sites in the area or individual farms?

Harvesting

20. Does the FMAg/S identify acceptable harvest practices on farms in the area or individual farms?

Fallowing

21. Does the FMAg/S identify the dates by which the area or individual farm will be fallow and the earliest date when a farm or area may be restocked?

22. Does the FMAg/S identify whether one or more year classes may be stocked onto sites covered by the agreement or statement?

23. Does the FMAg/S identify whether broodstock or potential broodstock are to be kept on any site covered by the agreement or statement?

Point of Compliance for Farm Management Agreements Only

24. Does the farm management agreement include arrangements for persons to become, or cease to be, parties to the agreement?

Management and operation

25. Is the fish farm being managed and operated in accordance with the agreement or statement?

26. What is the version no/date of issue of the FMAg/S?

| |
|---|
| Site No: FS1027 |
| Case No: 2018-0408 |
| Nature of non-compliance: |
| Action taken (FHI): |
| Non-compliance relevant to (delete): VirologyMolGen/Bacteriology/Histology/Parasitology |



██████████
Grieg Seafood Shetland Ltd
Gremista
Lerwick
Shetland
ZE1 OPX
████████████████████

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|--------------------|
| BUSINESS No | FB0440 | DATE OF VISIT | 29/08/2018 |
| SITE No | FS1027 | SITE NAME | Linga (Setterness) |
| INSPECTOR | Paul McKay | CASE No | 20180408 |

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 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.

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.

R25

Reports detailing the results of animal health surveillance carried out by or on behalf of the business and/or Marine Scotland were available for inspection.

The biosecurity measures plan for the site was inspected and found to be adequately maintained and implemented.

Inspection under the Animals and Animal Products (Examination for Residues and Maximum Residue Limits) (England and Scotland) Regulations 2013

Medicine records were inspected and found to be adequately maintained.

Samples were taken to be analysed for veterinary residues.

Inspection under the Aquaculture and Fisheries (Scotland) Act 2007

The site was also inspected in accordance with the Aquaculture and Fisheries (Scotland) Act 2007, as amended, with respect to section 3 regarding parasites (sea lice), section 4A regarding fish farm management agreements and statements and section 5 regarding containment and escapes.

On this occasion the site was found to be satisfactory with regards to parasites, fish farm management agreements and statements and containment and escapes.

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



Signed:

Date: 10/12/2018

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

Case No: 2018-0409 Date of visit: 29/08/2018

Time spent on site: 1 hr Main Inspector: PMM

Site No: FS0408 Site Name: Poseidon
Business No: FB0440 Business Name: Grieg Seafood Shetland Ltd

Case Types: 1 REG 2 3 4 5 6

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

Observations: Region: SH Water type: S CoGP MA: S-4

Dead/weak/abnormally behaving fish present? If yes, see additional information/clinical score sheet.
Clinical signs of disease observed? If yes, see additional information/clinical score sheet.
Gross pathology observed? If yes, see additional information/clinical score sheet.
Diagnostic samples taken?

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

Additional Case Information:

Site fallowed 28/08. harvest have been conducted using live and dead haul with all harvests going directly to LFT. Site had been experiencing 'grumbling' mortalities attributed to CMS this cycle. This was not reported to usually be an issue at this site. Site is due to receive stock from Taing of Railsborough (2018 S0's) in Jan 2019.

Case No: Site No:
 Date of Visit: Inspector(s):

Registration/Authorisation Details

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

Site Details

| | | | | | |
|-------------------------|-------------------------------------|------------------------|---------------------------------------|-------------------------|---------------------------------|
| Total No facilities | <input type="text" value="10"/> | Facilities stocked | <input type="text" value="0"/> | No facilities inspected | <input type="text" value="10"/> |
| Species | <input type="text" value="Fallow"/> | | | | |
| Age group | | | | | |
| No Fish | | | | | |
| Mean Fish Wt | | | | | |
| Next Fallow Date (Site) | <input type="text" value="Fallow"/> | Next Input Date (Site) | <input type="text" value="Jan 2019"/> | | |

Recent (last 4 wks) disease problems? Any escapes (since last visit)?
 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 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?
 If yes, detail:
 7. Have increased (unexplained) mortalities been reported to vet or FHI?
 If yes, detail action:
 8. Have 'mortality events' been reported to FHI? If no, add MRT case and enter on mortality events sheet.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?

If yes, detail:

If other, detail:

2. Medicines records available for inspection?

3. Are records complete and correctly entered?

4. Are fish in a withdrawal period?

5. If yes, what treatment(s)?

If other, detail:

6. Are medicines stored appropriately?

Biosecurity Records

1. Biosecurity records available for inspection?

2. Has the manner and frequency of mortality removal, recording and safe disposal been considered?

3. Has the manner and period in which the APB will notify Scottish Ministers or veterinary professional of any *increased (unexplained)* mortality at the site been included?

4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and *how* and *when* that will be notified to Scottish Ministers?

5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?

6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?

7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?

8. Have the biosecurity procedures been adequately implemented on site?

If no, detail:

Results of Surveillance

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

2. If yes, are results available for inspection?

3. Any significant results?

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

Records checked between:

[REDACTED]
Grieg Seafood Shetland Ltd
Gremista
Lerwick
Shetland
ZE1 OPX
[REDACTED]

FISH HEALTH INSPECTORATE VISIT REPORT

SUMMARY FOR INFORMATION OF SITE OPERATOR

| | | | |
|--------------------|------------|----------------------|------------|
| BUSINESS No | FB0440 | DATE OF VISIT | 29/08/2018 |
| SITE No | FS0408 | SITE NAME | Poseidon |
| INSPECTOR | Paul McKay | CASE No | 20180409 |

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.

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

The site was found to be fallow.

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

[REDACTED]
Signed:

Date: 10/12/2018

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