

Case No: 2019-0454 Date of visit: 29/03/2018

Time spent on site: 2 hours Main Inspector:

Site No: FS1316 Site Name: Lentrán Aquaponics
Business No: FB0569 Business Name: Lentrán Aquaponics

Case Types: 1 REG 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:

Site visit conducted after internet advert posted regarding fish for sale to investigate whether site should be registered.
90-100 tilapia held onsite

Currently a small site, consisting of 3 tanks, and 2 raceways incorporating a flow through system with biofilters. There has been a recent purchase of land and there is a plan in place to increase the size of the aquaponic system to 464m² with around 10,000 fish.

Does the facility involve the recirculation of water:

The Facility is able to switch between flow through and recirculation. Water is taken from a mains supply and, treated using bio filters and discharged to the residential sewage system.

Do discharges not connect in any way to open waters before screening and filtering or percolation and filtering to prevent the release of solid waste into the aquatic environment:

Discharges are filtered using biofilters and is then discharged to the residential sewage system.

Are measures in place to prevent the escapes from the facility of the farmed species and non-target species that may survive and subsequently reproduce:

Yes. The outflow system pipes are of a size which prevents fish from escaping, after discharge, water is also subject to municipal treatment. The species involved is also unlikely to produce viable offspring due to environmental factors

Are measures in place to prevent the loss of reared specimens or non-target species and other biological material, including pathogens due to factors such as predators (e.g. birds) and flooding:

The site is located inside a poly tunnel, in a residential area of a city.

For predators is there predator control plan and what are the measures in place to prevent predation:

The site is located inside a poly tunnel, in a residential area of a city.

For flooding what is the distance of the facility from open waters:

The site is roughly 1.5 km away from open water.

Are measures are in place to prevent losses of reared specimens or non-target species and other biological material, including pathogens, due to theft or vandalism:

Are dead organisms disposed of in an appropriate method:

There had been no mortality when the site had been visited. The owner said that if mortality occurred, they would be disposed of through domestic landfill.

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Registration/Authorisation Details

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

Site Details

Total No facilities	5	Facilities stocked	3	No facilities inspected	5
Species	TIL				
Age group	Mix				
No Fish	90-100				
Mean Fish Wt	250g				
Next Fallow Date (Site)	Unknown	Next Input Date (Site)	Unknown		

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

Movement Records

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

Transport Records

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

Mortality Records

- 1. Mortality records available for inspection? **N/A**
- 2. How are mortalities disposed of? **Other (detail)**
- If other detail: **Domestic waste**
- 3. Mortality records complete and correctly entered? **N/A**
- 4. Recent mortality (last 4 wks): **No mortality**
- 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**

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 <i>increased (unexplained)</i> mortality at the site been included?	
4. Has the action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected been included and <i>how</i> and <i>when</i> that will be notified to Scottish Ministers?	
5. Has the health status of aquaculture animals being stocked on the farm site been covered (equal or higher health status, certification if required)?	
6. Have the husbandry and biosecurity measures implemented between each epidemiological unit to minimise transmission of disease been covered (movement of staff, visitors, equipment, live or dead fish etc.)?	
7. Is documentation available regarding the measures in place to maintain the physical containment of aquaculture animals held on site?	
8. Have the biosecurity procedures been adequately implemented on site?	
If no, detail:	

Results of Surveillance

1. Has any animal health surveillance been carried out by, or on behalf of, the business?	
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: No records checked

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Inspector: [REDACTED]

Results Summary	Freq.	Date of Notification						
		Database	Insp	Phone	Insp	Writing	Insp	2 nd Insp

Report Summary			
Case Type	Date	Insp	2 nd Insp
No report	13/12/2019	[REDACTED]	[REDACTED]