

Case No: 2023-0283 Date of visit: 31/05/2023

Time spent on site: 1 hour Main Inspector: [Redacted]

Site No: FS1362 Site Name: Applecross Smolt Unit 2
Business No: FB0169 Business Name: Bakkafrost Scotland

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:
new site in construction.

Additional Case Information:

Applecross 3 new sites

Applecross Smolt Unit 2- almost complete and looking to stock 2-3 weeks time from Applecross Smolt unit. Was able to inspect all the site.

Applecross ongrowing 1- will be complete in August 2023 and was able to inspect some of the site

Applecross ongrowing 2 - will not be complete until October 2024 - not able to inspect any of the site.

One transference line for all three sites - underground with no water return. Line out from each site joining I output pipe.

Smolt Unit 2 and Ongrowing 1 share a grading area separate from the sites. Ongrowing 2 will have its own grading area.

Sites will have site specific staff generally. Smolt unit 2 and ongrowing one are entered from a communal service corridor which has shared office and canteen space. Entry into the sites is via two separate rooms where PPE and disinfection will be carried out prior to entry. The rooms were available for inspection but sinks benches and storage for the PPE was yet to be added. Smolt Unit 2 and Ongrowing 1 have a one way fire door out of the site into the service corridor but these doors will only be used for emergency exit. Both sites will share a common food silo from where food will be piped into the sites. Ongrowing 2 will have a separate food silo.

Each site will have a mort disposal cone which Morts will be tipped into and pumped to a mort disposal tank off site from where morts will be pumped into tankers for disposal. Destination not determined yet.

The plan is to grow the fish on site to 450g with an estimate of 10 million fish capacity once all three sites are running.

Vaccination will be carried out prior to input at Hatcher 2 and ongrowing 1 and 2.

All three sites will be full recirculation Smolt 2; 4 tanks 1185m cubed, Ongrowing 1; 2300m cubed, Ongrowing 2; 2300m cubed.

- Info on site separation, connectivity and movement of staff and fish between different areas/sites. Is access only from separate external doors to each site? Or are there internal doors/passages for moving between sites? Are there any fire escape routes which compromise site separation and biosecurity?

Fish will be moved on from the Applecross Hatchery for ongrowing at Applecross smolt unit and Ongrowing 1 and 2.

Ongrowing 2 is not build and is due for completion in October 2024. I therefore recommend that authorisation for this site is considered at a later date when the site can be assessed. From conversations it seems that the site will be totally separate from smolt unit 2 and Ongrowing 1 although attached.

Smolt unit 2 and Ongrowing 1 are physically septate with floor to ceiling walls. They will share a service corridor which will include shared canteen and office facilities however to access each of the sites you will need to pass through one of two PPE/disinfection rooms on either side of the service corridor. One for each site. In addition each site will have a emergency exit which will operate one way from the site into the service corridor. I was informed this would not routinely be used and only used in emergencies.

At the time of inspection the PPE/disinfection rooms were empty but I was informed disinfection points, PPE storage facilities and sinks would be put in place prior to stocking. The emergency exits were operating as a two way door but I was informed this will also be changed to a one way door with the standard fire door bar on one side. My inspection of Ongrowing 1 was limited as it is still a building site – due for completion in August 2023. I was able to view the shared service corridor and two of the tanks. I was not able to access the water treatment area for Ongrowing 1. I was informed staff would generally be assigned to work at only one site.

There is also a second area that serves the two sites. A communal grading area which is accessed externally and can supply fish to either Smolt unit 2 or ongrowing 1.

Provided the sites are operated as described I saw no risk of cross contamination between the two sites.

• Info on waste water flow, is it in closed or open drains (any potential for aerosols?) and does it flow through different sites or all directly off each site before joining (if joined) for waste water treatment

Each site has a separate facility for processing the water in the recirculation system, i.e. a separate room with drum filters, biofilters and UV, etc.

Water is all removed underground with no risk of back flow or open drains running from one site to the other.

• What are the biosecurity and disinfection procedures for staff, PPE or equipment moving between sites?

Staff will be site specific generally and site specific PPE will be available in each of the disinfection access rooms. This PPE will be removed on leaving the sites and not worn in the communal canteen facility or anywhere else outside the site.

Equipment will not be moved between sites. I was unable to assess the disinfection procedures as they were not in place at the time of my visit.

• Are sites in separate buildings or one building with separating walls? Are the separating walls floor to ceiling and watertight?

The sites are in the same building separated by a service corridor. The walls to each site are sealed and water tight.

• What are the biosecurity procedures and storage for feed, particularly if in a shared facility.

Smolt unit 2 and Ongrowing 1 will share a feed silo separate from the sites and the food is piped into the respective sites.

• Biosecurity for mortality removal from sites and processing/storage facility. Are mortalities transferred through adjoining sites and is there any risk of biosecurity breach? Each of the sites has its own mortality cone where morts are deposited and pumped to a separate storage facility for collection by tankers. No obvious risk of biosecurity breaches.

No report issues - site now authorised

