

DOCUMENT 01a – FW Transfer of Carnasserie (with attachments 01b, and related to documents 03b, 03c, 03e and 03f, which are final versions of the attachments)

From: [REDACTED]@mowi.com>
Sent: Sunday, November 12, 2023 5:16 PM
To: [REDACTED]@gov.scot>; [REDACTED]@gov.scot>
Subject: RE: Carnasserie fish farm

Hello [REDACTED]

I appreciate the issue. My workload is such that I am writing emails at the weekend and evenings. Let me know if there is any way I can help expedite the process, perhaps a quick Teams meeting to talk you through the documents and answer any questions directly?

Many thanks

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]
Mail: [REDACTED]

Office: Mowi
Farms Office
Glen Nevis Business Park
Fort William
PH33 6RX

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From: [REDACTED]
Sent: Friday, November 10, 2023 3:04 PM
To: [REDACTED]>; [REDACTED]>
Subject: RE: Carnasserie fish farm

Hi [REDACTED]

My apologies, my workload has been extremely high over the last few weeks, having been out in the field last week, all this week and was in at the Lab today. I am now going out into the field as the on-call inspector next week, so will be unable to look at this until I return on Thursday.

If [REDACTED] has any available time this week, [REDACTED] may be able to review the application, however, [REDACTED] workload is also very high just now.

Thank you for your patience,

[REDACTED]

From: [REDACTED]>

Sent: Friday, November 10, 2023 2:41 PM

To: [REDACTED]>; [REDACTED]>

Subject: FW: Carnasserie fish farm

Hello [REDACTED] and [REDACTED]

I have tried calling a few times. I was hoping you could get back to me please regrading our application for Carnasserie.

Many thanks

[REDACTED]

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]

Mail: [REDACTED]@mowi.com

Office: Mowi

Farms Office

Glen Nevis Business Park

Fort William

PH33 6RX

The logo for MOWI, featuring the word "MOWI" in a bold, sans-serif font. The letter 'O' is stylized with a horizontal line through its center. A registered trademark symbol (®) is located to the upper right of the 'I'.

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From: [REDACTED]

Sent: Friday, November 10, 2023 5:03 PM

To: [REDACTED]@gov.scot>

Subject: Transfer of Carnasserie

From: [REDACTED]@mowi.com>

Sent: Thursday, November 9, 2023 10:17 PM

To: [REDACTED]@gov.scot>

Subject: Fwd: Carnasserie fish farm

Hello [REDACTED]

I am writing to ask if there has been any progress to review our application to register Carnasserie for Salmon Broodstock? If you need any further information please let me know.

Thank you

[REDACTED]

Sent from Outlook for Android

From: [REDACTED]@mowi.com>
Sent: Monday, October 16, 2023 10:07:00 am
To: [REDACTED]@gov.scot>
Cc: [REDACTED]@Kames.co.uk>
Subject: RE: Carnasserie fish farm

Hello [REDACTED]

Find attached the completed forms to change the use of Canrasserie Hatchery from trout broodstock to slamon broodstock, the biosecurity plan and VHWP and a site location plan.
Please let me know if you require any further information.

Many thanks

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]
Mail: [REDACTED]@mowi.com

Office: Mowi
Farms Office
Glen Nevis Business Park
Fort William
PH33 6RX

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From: [REDACTED]@gov.scot>
Sent: Wednesday, October 4, 2023 9:37 AM
To: [REDACTED]@mowi.com>
Cc: [REDACTED]@Kames.co.uk
Subject: RE: Carnasserie fish farm

ALERT: This message originated outside of Mowi's network. **BE CAUTIOUS** before clicking any link or attachment.

Hi [REDACTED]

I have now received an authorisation amendment application from Kames requesting the transfer of Carnasserie to Mowi.

I need an authorisation amendment application from Mowi also requesting the transfer of the site.

I have attached the application form, could you please complete this and send back to me?

You will also need to submit a biosecurity measures plan (BMP)/VHWP for the site and an aquatic animal site details form (also attached).

Once I have received all the above, I can begin to review the application.

Cheers,

[REDACTED]

Senior Fish Health Inspector

Scottish Government | Marine Laboratory | 375 Victoria Road| Aberdeen | AB11 9DB

Tel: [REDACTED]

S/B: [REDACTED]

Mobile: [REDACTED]

e: [REDACTED]@gov.scot

w: <https://www.gov.scot/marine-and-fisheries/>

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From: [REDACTED]@gov.scot>

Sent: Tuesday, October 3, 2023 9:02 AM

To: [REDACTED]@mowi.com>

Cc: [REDACTED]@gov.scot>

Subject: RE: Carnasserie fish farm

Hi [REDACTED]

Thanks for getting in touch. The decision to have Mowi Scotland Ltd directly authorised to operate the Carnasserie Hatchery site or to be operating it on behalf of Kames Fish Farming would be a decision for the companies to make, although it would be better if the company which was operating the site was directly authorised to do so, under the Aquatic Animal Health (Scotland) Regulations 2009. Although it will involve additional administrative work to transfer the site to Mowi Scotland Ltd and then potentially back to KFF in a couple of years, this would not be overly burdensome.

The complication would come where all fish health communication from the FHI regarding the site would be directed to the KFF Business Correspondent rather than the Mowi Scotland Ltd one. The transfer of these communications to Mowi Scotland Ltd would rely on any communication agreement which is in place between the two companies. Also, any regulatory enforcement activity would be taken against the business which is authorised to operate at the site, along with the staff involved on site. This may not be an acceptable situation for Mowi Scotland Ltd and may help determine your decision.

Please keep us posted with your decision and let me know if you have any additional queries.

Regards

[REDACTED], **Fish Health Inspectorate, Marine Directorate**

Scottish Government, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

T: [REDACTED]

S/B: [REDACTED]

M: [REDACTED] [REDACTED]E: [REDACTED]@gov.scot

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From: [REDACTED]@mowi.com>

Sent: Tuesday, October 3, 2023 8:15 AM

To: [REDACTED]@gov.scot>

Subject: Carnasserie fish farm

Hello [REDACTED]

My colleague [REDACTED] was in touch a few weeks ago to discuss registering the Carnasserie site for Atlantic Salmon broodstock production.

Since then I have been trying to get in touch with Kames fish farming so they can transfer the site registration back to Mowi.

They eventually got back to me to suggest that the site remain registered with Kames but that they would transfer the use from Trout to Salmon. The reason they propose this is that it is our intent to transfer the site back to Kames in 2025 or possibly earlier.

I am not sure this will be acceptable however as it will be Mowi stocks on the site and the site will be staffed by Mowi personnel.

Can you let me know please if this will be an acceptable approach so I can feedback to Kames how we need to progress this matter.

Thanks

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]

Mail: [REDACTED]@mowi.com

Office: Mowi
Farms Office
Glen Nevis Business Park
Fort William
PH33 6RX



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DOCUMENT 02a – FW: Sites to be registered as broodstock (attachments 02b and 02c)

From: [REDACTED]
Sent: Tuesday, December 12, 2023 3:07 PM
To: [REDACTED]@mowi.com>
Cc: [REDACTED]@mowi.com>
Subject: RE: Sites to be registered as broodstock

Hi [REDACTED],

As you mentioned, it is my colleague, [REDACTED] who is dealing with these applications, I haven't had much involvement in them so you would be better to contact [REDACTED] directly for an update.

Cheers,
[REDACTED]
From: [REDACTED]@mowi.com>
Sent: Tuesday, December 12, 2023 2:51 PM
To: [REDACTED]@gov.scot>
Cc: [REDACTED]@mowi.com>
Subject: Sites to be registered as broodstock

Hi [REDACTED], thanks for this update. We have a few other APB changes ongoing which [REDACTED] has been providing help and assistance with and I know these are ongoing. For our own planning purposes looking ahead, it would be very helpful if you could offer any updates on progress with the Dawnfresh_Loch Etive sites change and the Mowi_Ardnish site change. These are still in the determination period but if there are any additional information requests, we would be happy to further advise as needed. Thank you and best wishes for the festive period.

Best regards

[REDACTED]
[REDACTED]
Mowi Scotland Limited

Mobile: +[REDACTED]
DDI: +[REDACTED]
Mail: [REDACTED]@mowi.com

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From: [REDACTED]@gov.scot>
Sent: Tuesday, December 12, 2023 2:36 PM
To: [REDACTED]@mowi.com>; [REDACTED]@mowi.com>
Cc: [REDACTED]@mowi.com>
Subject: RE: Sites to be registered as broodstock

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Hi [REDACTED],

[REDACTED]

I will be returning to work on Monday 8th January and will keep an eye out for your application, hopefully you can submit it before I return.

Cheers and have a great xmas and new years when they come,
[REDACTED].

From: [REDACTED]@mowi.com>

Sent: Tuesday, December 5, 2023 2:03 PM

To: [REDACTED]@gov.scot>; MacIntyre, Stephen <Stephen.MacIntyre@mowi.com>

Cc: [REDACTED]@mowi.com>

Subject: RE: Sites to be registered as broodstock

Dear [REDACTED],

Sorry for not responding to your previous email, I thought I did. I discussed with [REDACTED] and to clarify we can not guarantee single year class stocking and synchronous fallow between both Ardessie A and Ardessie B at this time. Therefore, while sites will be stocked with single year class and fallow each year, the area will not at least for next couple of years. From the discussion with [REDACTED], it appears it is safer to apply for broodstock licenses instead of potential broodstock. I will send to you all the required documentation ASAP.

Best Regards

[REDACTED]

[REDACTED]

Mowi Scotland Limited

Mobile: +[REDACTED]

DDI: +[REDACTED]

Mail: [REDACTED]@mowi.com

Office: Mowi

Farms Office

Stob Ban House

Glen Nevis Business Park

Fort William

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From: [REDACTED]@gov.scot>

Sent: Tuesday, December 5, 2023 1:54 PM

To: [REDACTED]@mowi.com>

Cc: [REDACTED]@mowi.com>

Subject: RE: Sites to be registered as broodstock

ALERT: This message originated outside of Mowi's network. **BE CAUTIOUS** before clicking any link or attachment.

Hi [REDACTED]

The document you attached is really only a disinfectant guide. The BMP or VHWP for each site should include the below information as a minimum:

- The manner and frequency of mortality removal, recording and safe disposal.
- The manner and period in which the APB will notify Scottish Ministers or veterinary professionals of any increased and unexplained mortalities.
- The action that will be taken in the event that the presence or suspicion of the presence of a listed disease is detected, and how and when that will be notified to Scottish Ministers.
- The health status of aquaculture animals being stocked on the farm site (equal or higher health status, certification if required).
- The husbandry and biosecurity measures implemented between each epidemiological unit to minimise the transmission of disease (movement of staff, visitors, equipment, live or dead fish etc).
- The measures in place to maintain the physical containment of aquaculture animals held on site.

It is also useful to include information regarding:

- any pre-transfer checks that will be done (external visual examination or sampling for histology, PCR etc).
- the proposed stocking and fallow dates for each site
- any vaccinations that will be given to stock

Only once I have this information can I begin to make an assessment of risk. Please note, everyone will be out of the office on Friday for our xmas lunch.

Cheers,

[REDACTED]

[REDACTED] Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

[REDACTED]

[REDACTED]@gov.scot

w: <https://www.gov.scot/marine-and-fisheries/>

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From: [REDACTED]@mowi.com>
Sent: Tuesday, October 17, 2023 10:38 AM
To: [REDACTED]@gov.scot>
Cc: [REDACTED]@mowi.com>; [REDACTED]@gov.scot>
Subject: RE: Sites to be registered as broodstock

Hi [REDACTED],

Please find below and attached documentation for the change in Ardessie A and B.

Ardessie A & Ardessie B

- Authorisation amendment application completed by Wester Ross Fisheries Ltd: [see attached](#)
- Updated site biosecurity measures plans (BMP), for each site, relevant to the revised operation of the sites: [see attached](#), both sites will be operated in the same way. In addition, we have a vaccine strategy in place to protect our fish from main pathogens and pre-transfer health check including screening for most viral and bacterial pathogens.
- Details of production plans for each site which explain intended operation, stocking and fallowing strategies:

The sites will be stocked in November of each year and fish selected for broodstock to be transferred to our freshwater broodstock facilities in mid-October the following year. Fish not selected either during grading or selection will be harvested. A fallow of both sites will be done for a minimum of 28 days before stocking again each year.

- Details of anticipated timeframe for the changes: The change will be effective from 15th November 2023 as a population of potential broodstock for next year will be moved to Ardessie. In 2023, fish on site are used for our first broodstock population with selected potential broodstock sent to Carnasserie hatchery where they become broodstock.

Best Regards

[REDACTED]
Mowi Scotland Limited

Mobile: [REDACTED]
[REDACTED]@mowi.com

Office: Mowi
Farms Office
Stob Ban House
Glen Nevis Business Park
Fort William
PH33 6RX

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From: [REDACTED]@gov.scot>

Sent: Tuesday, September 19, 2023 8:28 AM

To: [REDACTED]@mowi.com>

Cc: [REDACTED]@mowi.com>; [REDACTED]@wrs.co.uk>; [REDACTED]@gov.scot

Subject: RE: Sites to be registered as broodstock

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Hi [REDACTED],

To help the FHI process the applications as quickly as possible please provide:

Ardessie A & Ardessie B

- Authorisation amendment application completed by Wester Ross Fisheries Ltd;
- Updated site biosecurity measures plans (BMP), for each site, relevant to the revised operation of the sites;
- Details of production plans for each site which explain intended operation, stocking and fallowing strategies;
- Details of anticipated timeframe for the changes.

Carnasserie Hatchery

- Authorisation amendment applications completed by Kames Fish Farming Ltd (to facilitate removal from APB authorisation and transfer to Mowi Scotland Ltd) and Mowi Scotland Ltd;
- Completed application for registering an aquatic animal holding site and map/site plan;
- Updated site biosecurity measures plan (BMP), relevant to the revised operation of the site;
- Details of the production plan for the site which explain intended operation, stocking and fallowing strategies;
- Details of anticipated timeframe for the changes.

I should also remind you that although we will try to facilitate the changes to meet a desired timeframe, the regulations allow up to 90 days to determine APB authorisations. This timeframe is in place to allow the FHI to manage available resources, along with all current work pressures.

Regards
[REDACTED]

From: [REDACTED]@mowi.com>

Sent: Monday, September 18, 2023 7:17 PM

To: [REDACTED]@gov.scot>

Cc: [REDACTED]@mowi.com>; [REDACTED]@wrs.co.uk>; [REDACTED]@gov.scot>

Subject: Re: Sites to be registered as broodstock

Hi [REDACTED]

Thank you, I will go through the guidance and submit applications ASAP.

Thanks,
[REDACTED]
Mowi Scotland Limited

Mobile: [REDACTED]

[REDACTED]

Office: Mowi
Farms Office
Stob Ban House
Glen Nevis Business Park
Fort William
PH33 6RX

From: [REDACTED]@gov.scot>

Sent: Monday, September 18, 2023 6:12:58 PM

To: [REDACTED]@mowi.com>

Cc: [REDACTED]@mowi.com>; [REDACTED]@wrs.co.uk>; [REDACTED]@gov.scot>

Subject: FW: Sites to be registered as broodstock

ALERT: This message originated outside of Mowi's network. **BE CAUTIOUS** before clicking any link or attachment.

Hi [REDACTED],

Thank you for getting in touch regarding the plans for the sites Ardessie A (FS0517) and Ardessie B (FS0675), my colleague [REDACTED] has passed on your query.

Wester Ross Fisheries Ltd (FB0447) are currently authorised to operate these farm sites and would have to request an amendment to their authorisation to operate the sites for the inclusion of the broodstock lifestage, if this stage of fish is to be held. The relevant forms and guidance can be found at Aquaculture Production Business (APB): forms and guidance - gov.scot (www.gov.scot).

The FHI will then consider whether this request will lead to an unacceptable risk of spreading disease before either granting or refusing the amendment application. This consideration will usually be made on whether there will be multi-year classes along with production fish held on the sites or whether the fallowing strategy for the sites and the production area will be impacted by the change in production strategy. APB's are not normally granted authorisation to operate new broodstock sites unless they meet the requirements of the CoGP and A Code of Good Practice To Avoid and Minimise the Impact of Infectious Salmon Anaemia (ISA).

If the sites and area will continue to be fallowed on a single year class basis and the production cycle will only be periodically extended prior to fallowing, the fish may not be considered broodstock until they have moved to the freshwater environment prior to stripping. In this scenario they would be considered potential broodstock. This situation is currently in place at other production sites operated by other APB's which continue to fallow on a single year class basis but have broodstock selected from the production population for stripping.

The decision will depend on the particular production plan that will be in place for the sites.

In relation to Carnasserie Hatchery (FS0757), Kames Fish Farming Ltd (FB0134) are currently authorised to operate at the site. Will this site be transferred back to Mowi Scotland Ltd (FB0119)? This transfer and change to species and life stage held on site would have to be requested in authorisation amendment applications from both KFF (to transfer the site to Mowi Scotland Ltd) and from Mowi Scotland Ltd (to request authorisation to operate an Atlantic salmon broodstock site, with the removal of the rainbow trout as a species that would be held).

If you have any queries please contact me or my colleague, [REDACTED] (copied in).

Regards

[REDACTED], **Fish Health Inspectorate, Marine Directorate**

Scottish Government, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

T: [REDACTED] [REDACTED]@gov.scot

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From: [REDACTED]@mowi.com>

Sent: Monday, September 18, 2023 4:27 PM

To: [REDACTED]@gov.scot>

Subject: Sites to be registered as broodstock

Dear [REDACTED]

As you know we will from now on use both sites In Ardessie (10d – Little Loch Broom) for broodstock starting in October. Can you please confirm to me what needs to be done to register these sites ASAP.

In addition, we will move broodstock to Carnasserie for stripping (in mid-Nov). Therefore we also need to register the site as broodstock.

Best Regards

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]

[REDACTED]@mowi.com

Office: Mowi
Farms Office
Stob Ban House
Glen Nevis Business Park
Fort William
PH33 6RX



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DOCUMENT 03a – FW: Transfer of Carnasserie (with attachments 03b, 03c, 03d, 03e, 03f, 03g, and 03h)

From: [REDACTED]@gov.scot>
Sent: Wednesday, November 22, 2023 4:24 PM
To: [REDACTED]@mowi.com>
Cc: [REDACTED] <[REDACTED]@gov.scot>; [REDACTED] <[REDACTED]@mowi.com>
Subject: RE: Transfer of Carnasserie

Hi [REDACTED],

Thanks for getting back to us. You have answered the two comments I had on the registration form regarding disinfection of water on intake and the disposal of mortalities on site by ensiling. We will continue to work on other authorisation amendments requested by Mowi Scotland Ltd and issue an updated Authorisation certificate in due course. Carnassarie Hatchery will be transferred between Kames Fish Farming Ltd and Mowi Scotland Ltd, and will be altered to allow stocking with Atlantic salmon broodstock, rather than rainbow trout.

Regards
[REDACTED]

From: [REDACTED]@mowi.com>
Sent: Wednesday, November 15, 2023 8:41 PM
To: [REDACTED]@gov.scot>
Cc: [REDACTED]@gov.scot>
Subject: RE: Transfer of Carnasserie

Hello [REDACTED]

Attached are the documents with replies to all your comments. I have edited the documents where necessary also. Also attached are our cleaning and disinfection schedules as requested.

I am afraid, I ticked the wrong box on the FHI 054A form. The water is not disinfected at intake. I have corrected that on the attached.

I also couldn't read the other comments on that form for some reason so if you could please email those queries.

The site plan was already at the bottom of the BMP, you have to scroll down to find it.

Can you let me know please when we will know the outcome of our application.

Many thanks

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]
[REDACTED]@mowi.com

Office: Mowi
Farms Office
Glen Nevis Business Park
Fort William

PH33 6RX



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From: [REDACTED]@gov.scot>
Sent: Wednesday, November 15, 2023 5:59 PM
To: [REDACTED]@mowi.com>
Cc: [REDACTED]@mowi.com>; [REDACTED]@gov.scot
Subject: FW: Transfer of Carnasserie

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Hi [REDACTED]

Please see the attached documents for comments. If you could provide any further info requested and a site plan, if available, that would be very helpful. We have already received the request to transfer this site to Mowi Scotland Ltd from Kames Fish Farming Ltd.

As we have a number of amendments to authorisation currently being requested by Mowi Scotland Ltd, I would propose to provide you with a confirmation of the outcome of your application for Carnassarie Hatchery, whilst issuing an updated Authorisation Certificate once the applications have been considered, or as many as we can progress currently. If there is any change to this situation we will let Mowi Scotland Ltd know.

Regards
[REDACTED]r, **Fish Health Inspectorate, Marine Directorate**
Scottish Government, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB
T: [REDACTED] [REDACTED]@gov.scot

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From: [REDACTED]@gov.scot>
Sent: Friday, November 10, 2023 5:03 PM
To: [REDACTED]@gov.scot>
Subject: Transfer of Carnasserie

From: [REDACTED]@mowi.com>
Sent: Thursday, November 9, 2023 10:17 PM
To: [REDACTED]@gov.scot>
Subject: Fwd: Carnasserie fish farm

Hello [REDACTED]

I am writing to ask if there has been any progress to review our application to register Carnasserie for Salmon Broodstock? If you need any further information please let me know.

Thank you

[REDACTED]
Sent from Outlook for Android

From: [REDACTED]@mowi.com>
Sent: Monday, October 16, 2023 10:07:00 am
To: [REDACTED]@gov.scot>
Cc: [REDACTED]@Kames.co.uk>
Subject: RE: Carnasserie fish farm

Hello [REDACTED] Find attached the completed forms to change the use of Canrasserie Hatchery from trout broodstock to slamon broodstock, the biosecurity plan and VHWP and a site location plan.

Please let me know if you require any further information.

Many thanks

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]
[REDACTED]@mowi.com

Office: Mowi
Farms Office
Glen Nevis Business Park
Fort William
PH33 6RX

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From: [REDACTED]@gov.scot>
Sent: Wednesday, October 4, 2023 9:37 AM
To: [REDACTED]@mowi.com>

Cc: [REDACTED]@Kames.co.uk
Subject: RE: Carnasserie fish farm

ALERT: This message originated outside of Mowi's network. **BE CAUTIOUS** before clicking any link or attachment.

Hi [REDACTED],

I have now received an authorisation amendment application from Kames requesting the transfer of Carnasserie to Mowi.

I need an authorisation amendment application from Mowi also requesting the transfer of the site.

I have attached the application form, could you please complete this and send back to me?

You will also need to submit a biosecurity measures plan (BMP)/VHWP for the site and an aquatic animal site details form (also attached).

Once I have received all the above, I can begin to review the application.

Cheers,

[REDACTED]

[REDACTED] Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

Tel: [REDACTED]

[REDACTED]w: <https://www.gov.scot/marine-and-fisheries/>

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From: [REDACTED]>

Sent: Tuesday, October 3, 2023 9:02 AM

To: [REDACTED]>

Cc: [REDACTED]>

Subject: RE: Carnasserie fish farm

Hi [REDACTED]

Thanks for getting in touch. The decision to have Mowi Scotland Ltd directly authorised to operate the Carnasserie Hatchery site or to be operating it on behalf of Kames Fish Farming would be a decision for the companies to make, although it would be better if the company which was operating the site was directly authorised to do so, under the Aquatic Animal Health (Scotland) Regulations 2009. Although it

will involve additional administrative work to transfer the site to Mowi Scotland Ltd and then potentially back to KFF in a couple of years, this would not be overly burdensome.

The complication would come where all fish health communication from the FHI regarding the site would be directed to the KFF Business Correspondent rather than the Mowi Scotland Ltd one. The transfer of these communications to Mowi Scotland Ltd would rely on any communication agreement which is in place between the two companies. Also, any regulatory enforcement activity would be taken against the business which is authorised to operate at the site, along with the staff involved on site. This may not be an acceptable situation for Mowi Scotland Ltd and may help determine your decision.

Please keep us posted with your decision and let me know if you have any additional queries.

Regards

[REDACTED], Fish Health Inspectorate, Marine Directorate

Scottish Government, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

T: [REDACTED] [REDACTED]

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From: [REDACTED]>

Sent: Tuesday, October 3, 2023 8:15 AM

To: [REDACTED]>

Subject: Carnasserie fish farm

Hello [REDACTED]

My colleague [REDACTED] was in touch a few weeks ago to discuss registering the Carnasserie site for Atlantic Salmon broodstock production.

Since then I have been trying to get in touch with Kames fish farming so they can transfer the site registration back to Mowi.

They eventually got back to me to suggest that the site remain registered with Kames but that they would transfer the use from Trout to Salmon. The reason they propose this is that it is our intent to transfer the site back to Kames in 2025 or possibly earlier.

I am not sure this will be acceptable however as it will be Mowi stocks on the site and the site will be staffed by Mowi personnel.

Can you let me know please if this will be an acceptable approach so I can feedback to Kames how we need to progress this matter.

Thanks

[REDACTED]

Mowi Scotland Limited

Mobile: [REDACTED]

Mail: [REDACTED]

Office: Mowi
Farms Office
Glen Nevis Business Park
Fort William
PH33 6RX



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DOCUMENT 04 – RE: Follow-up coordinates (with reference to 05)

From: [REDACTED]@mowi.com>
Sent on: Tuesday, December 14, 2021 12:54:47 PM
To: [REDACTED]@gov.scot>
CC: [REDACTED]@gov.scot>
Subject: RE: Follow-up coordinates

You are correct. They should read
E206589.8, N915973.10
E186289, N885444
E182343 , N855906

From: [REDACTED]@gov.scot>
Sent: 14 December 2021 12:29
To: [REDACTED]@mowi.com>
Cc: [REDACTED]@gov.scot
Subject: RE: Follow-up coordinates

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Hi [REDACTED]

I think the coordinate for the second one is maybe the wrong way around can you confirm?

Thanks,

[REDACTED]**From:** [REDACTED]>
Sent: 02 December 2021 12:22
To: [REDACTED]>; [REDACTED]>
Subject: Follow-up coordinates

Thank you for your initial pre-app guidance. It was very worthwhile.

Coordinates as discussed -
E206589.8, N915973.10
E885444, N186289
E182343 , N855906

With reference to the tidal excursion areas, could you advise if a particular methodology is used and where I can find it please? We carried out a similar exercise for SEPA Covid risk assessments and have applied this approach for a rough idea of areas. We would like to follow it up with the standardised accepted approach.

I'm expecting our initial site would be in proximity of another site and the development isolated. Do you have any information on the risk assessment specific to broodstock. Otherwise I think our draft would default to those used for seawater transfers and we'd then review it for this proposal.

Kind regards,

[REDACTED]Mowi Scotland Limited

Mobile: [REDACTED]

[REDACTED]**Please note, I work part-time including Tuesday, Wednesday and Thursday**

Office: Mowi
Farms Office
Glen Nevis Business Park
Fort William
PH33 6RX



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DOCUMENT 06a – RE: Authorisation of broodstock sites (with reference to 06b)

From: [REDACTED]@mowi.com>
Sent on: Friday, May 12, 2023 11:25:47 AM
To: K[REDACTED]@gov.scot>
Subject: RE: Authorisation of broodstock sites

Categories: Purple Category

Thanks [REDACTED] – that's useful clarification.
Best regards

[REDACTED]
[REDACTED]
Mowi Scotland Limited

Mobile: +[REDACTED]
[REDACTED]

MOWI[®]

From: [REDACTED]@gov.scot>
Sent: Tuesday, May 9, 2023 11:40 AM
To: [REDACTED]@mowi.com>
Cc: [REDACTED]@gov.scot; [REDACTED]@gov.scot; [REDACTED]@gov.scot
Subject: Authorisation of broodstock sites

ALERT: This message originated outside of Mowi's network. **BE CAUTIOUS** before clicking any link or attachment.

Hi [REDACTED]

I have summarised the information discussed at the meeting last week regarding the proposed broodstock operations at Ardesie.

To ensure the operation of a broodstock site does not lead to an unacceptable risk of spreading disease it should follow Scottish industry best practice, detailed within A Code of Good Practice for Scottish Finfish Aquaculture (CoGP) and Chapter 1 in particular. The provisions of A Code of Practice to Avoid and Minimise the Impact of Infectious Salmon Anaemia (ISA) should also be considered.

In relation to the proposal at Ardesie; there are currently two marine pen production sites in Little Loch Broom, both are included in disease management area (DMA) 10d – Little Loch Broom. These are the only active sites in the DMA. The manner in which these sites will continue to be operated following the proposed establishment of the land based broodstock facility should be considered as it may impact the ongoing use of the sites. Synchronous stocking and fallowing periods between marine pen sites should be in place to reduce the risk of disease spread.

If the authorisation to operate at the Ardesie marine pen sites is/are to be amended to hold the life stage broodstock and create a new broodstock site, this should follow the requirement of Chapter 1, point 1.2 of the CoGP.

If the marine pen sites are to hold production fish which may be selected for transfer to freshwater facilities as potential broodstock, the production strategy should not increase the

risk of disease spread. This is interpreted as continuing to fallow sites and production areas on a single year class basis.

Please let me know if anything is unclear or you have any further questions.

Best regards,

[REDACTED]

[REDACTED] / Aquaculture Planning

Marine Scotland - Science

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen AB11 9DB

E:[REDACTED]W: <https://www.gov.scot/marine-and-fisheries/>

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DOCUMENT 07a– RE: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility) (attachments 07b, 07c, 07d and related to document 07e and 07f)

From: [REDACTED]@gov.scot> on behalf of MS FFPlanning
Sent on: Monday, February 27, 2023 2:32:46 PM
To: [REDACTED]@highland.gov.uk>
Subject: RE: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility).
Attachments: 003_MSS resp_27022023.docx (2.58 MB)

Hi [REDACTED],
Please find attached response to the additional information provided for 22/06182/FUL.
Thanks,
[REDACTED]

From: [REDACTED]@highland.gov.uk>
Sent on: Monday, February 20, 2023 6:48:13 PM
To: [REDACTED]@gov.scot>
CC: [REDACTED]@gov.scot>
Subject: RE: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility).
Attachments: Mowi Scotland Broodstock Farm - Repsonse to Planning Comments.pdf (499.08 KB)

Hi [REDACTED]
Please find attached a consultation response document that Mowi have brought together. The document attempts to addresses the points raised by MSS along with points raised by other consultees. Please confirm if MSS deem the application satisfactory and/ or if any amendments to the proposal are necessary or conditions required.
A response as soon as possible would be appreciated but I will presume to allow two weeks (until 6th March).

Kind regards,

[REDACTED]**From:** [REDACTED]@gov.scot> **On Behalf Of** [REDACTED]@gov.scot

Sent: 15 February 2023 11:40

To: [REDACTED]@highland.gov.uk>

Subject: RE: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility).

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Thanks Jethro.

We will look to address the matters with the pen sites through authorisation.

From: [REDACTED]>

Sent: 15 February 2023 11:36

To: [REDACTED]>

Subject: RE: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility).

Hi [REDACTED],

Thanks for clarifying. I'll pass that on to the applicant. Once the information requested is received I will re-consult.

As an aside re; the marine sites - my understanding is that the nearest of the two Ardessie sites will be turned over for use supporting the brood stock facility. I believe the other would remain in normal operation.

Many thanks,

[REDACTED]From:[REDACTED]> **On Behalf Of** [REDACTED]@gov.scot

Sent: 15 February 2023 11:09

To: [REDACTED]>

Subject: RE: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility).

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Hi [REDACTED]

Ok, I realised that wasn't strictly related to the development asking for the information in point 1; so that is fair enough.

All the other points 2-5 are related to the terrestrial facility and are still required to be provided for landbased freshwater developments.

[REDACTED]From: [REDACTED]>

Sent: 09 February 2023 10:47

To:[REDACTED]>

Subject: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility).

Good Morning,

Re: Highland Council Application 22/06182/FUL (Fish Farm Brood Stock Facility).

Thank you for your consultation response (attached) on the above application. I wanted to just clarify a couple of points from it. I note in your response you request 5 items of further information from the applicant (included below for ease of reference).

1. *Confirmation on which existing marine pen site will hold broodfish and clarification on the proposed use of the other pen site.*
2. *Details of proposed maximum biomass and stocking density on site.*
3. *Details on the method and frequency of removing mortalities on site and how they are disposed of.*
4. *Details of equipment and procedures proposed to ensure containment of stocks.*
5. *Information on methods for exclusion of predators from site.*

At pre-application the Highland Council issued a EIA screening decision on the project as whole concluding that EIA was not required. This covered the project as a whole in consideration that the proposed development would make use of existing in-water facilities. Following this decision the application and accompanying assessments are associated solely with the new terrestrial development of the brood stock facility with any changes to farm management practices in adjacent marine sites falling under existing permission already held, at least from a planning permission perspective. It would appear that points 1, 4 and 5 in your request relate to the management practices in place at the existing marine sites and as such are likely non-material to this decision. Are you able to confirm which of the points you raise relate to the new terrestrial brood stock facility? I hope that's all clear enough but happy to discuss on the phone if it helps.

Kind regards,

[REDACTED] | **Highland Council**

Planning & Environment - Infrastructure, Environment and Economy Service

[REDACTED]@highland.gov.uk | [REDACTED] | Glenurquhart Road, Inverness, IV3 5NX

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DOCUMENT 08 – RE: Ardessie broodstock

From: [REDACTED]@gov.scot>
Sent on: Wednesday, February 15, 2023 1:09:57 PM
To: [REDACTED]@gov.scot>
CC: [REDACTED]@gov.scot>
Subject: RE: Ardessie broodstock

Categories: Purple Category

Thanks [REDACTED] for the heads up, I did see this in one of the journals earlier in the week.

I have copied in [REDACTED] for awareness and will have a chat with him about it when it lands on my desk.

Cheers,

[REDACTED]**From:** [REDACTED]@gov.scot>

Sent: 15 February 2023 11:55

To: [REDACTED]@gov.scot>

Subject: Ardessie broodstock

Hi [REDACTED],

For awareness – Mowi have submitted an application for a landbased broodstock site at Ardessie. This will be a freshwater site, where broodstock will be transferred from the existing marine pen site/s at Ardessie prior to stripping and then eggs exported to other hatcheries from this site. I tried to request further information about the marine pen sites through this process but couldn't. Nothing to do for now, but you may see this through authorisation – the pen site holding broodstock should add this growth stage to their authorisation. And then there are considerations in the cogp for broodstock sites to be separate from other production sites if they continue to use the other Ardessie pen site as a normal production site. Speak to [REDACTED] or give me a shout if you see this through authorisation.

[REDACTED]

Senior Fish Health Inspector / Aquaculture Planning

Marine Scotland - Science

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen AB11 9DB

E:[REDACTED]W: <https://www.gov.scot/marine-and-fisheries/>

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DOCUMENT 09 – RE: Sites to be registered as broodstock

From: [REDACTED]@gov.scot>
Sent on: Monday, September 18, 2023 3:50:19 PM
To: [REDACTED]@gov.scot>; [REDACTED]@gov.scot>
Subject: RE: Sites to be registered as broodstock

Categories: Purple Category

Thanks for letting me know [REDACTED] Carnasserie are already authorised to hold broodfish following a breach of their authorisation conditions earlier in the year when we discovered they had stocked the site with broodstock without authorisation. A retrospective amendment application was processed. I'm guessing the sites [REDACTED] is referring to are: Ardessie A (FS0517) and B (FS0675)? These are still under Wester Ross Fisheries in Aquadat. I believe MOWI purchased them however, we will need [REDACTED] as the business correspondent to lodge the amendment application for the addition of broodstock at those locations. I'll have a chat with [REDACTED] about this one, cheers.

[REDACTED]**From:** [REDACTED]@gov.scot>
Sent: Monday, September 18, 2023 4:39 PM
To: [REDACTED]@gov.scot>; [REDACTED]@gov.scot>
Subject: FW: Sites to be registered as broodstock

Hello,

This is no longer a planning matter but a registration/authorisation one. [REDACTED] was involved in discussions with Mowi at the planning stage regarding the future use of these sites for Broodstock so best a discussion is head together before contacting [REDACTED]. If you need anything from me, just let me know.

[REDACTED]

From: [REDACTED]>
Sent: Monday, September 18, 2023 4:27 PM
To: [REDACTED]>
Subject: Sites to be registered as broodstock

Dear [REDACTED],

As you know we will from now on use both sites In Ardessie (10d – Little Loch Broom) for broodstock starting in October. Can you please confirm to me what needs to be done to register these sites ASAP.

In addition, we will move broodstock to Carnasserie for stripping (in mid-Nov). Therefore we also need to register the site as broodstock.

Best Regards

[REDACTED]Mowi Scotland Limited

Mobile:[REDACTED]
[REDACTED]

Office: Mowi
Farms Office
Stob Ban House
Glen Nevis Business Park
Fort William
PH33 6RX

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DOCUMENT 10a: Carnassarie Hatchery Comments (attachments 10b, 10c and 10d)

From: [REDACTED]

Sent: Wednesday, November 15, 2023 6:03 PM

To: [REDACTED]@gov.scot>

Subject: Carnassarie Hatchery Comments

Hi [REDACTED],

I have gone through the Carnassarie Hatchery paperwork and commented on the forms, VHWP and BMP. It should all be fine but they need to include some further details.

Cheers

[REDACTED]

DOCUMENT 10c : FS0757 Carnasserie Mill- Transfer APB to MOWI

From: [REDACTED]@Kames.co.uk>
Sent: Wednesday, October 4, 2023 9:11 AM
To: MS FishHealth <MS.FishHealth@gov.scot>
Cc: [REDACTED]@gov.scot>; [REDACTED]@Kames.co.uk>; [REDACTED]@mowi.com>
Subject: FS0757 Carnasserie Mill - Transfer APB to MOWI

Good morning [REDACTED]

Further to your correspondence with [REDACTED], MOWI will be operating the Carnasserie Mill Hatchery stocking with salmon over the next couple of years with a plan to return it to Kames for trout production in c2026.

I attach a signed transfer form to authorise the transfer from Kames to MOWI so that operational responsibility will be with MOWI for the duration of this period, following which MOWI will transfer it back to Kames.

Should you need anything further from us in regard to this please let me know.

Kind regards

[REDACTED]Kames Fish Farming Limited

Tel: [REDACTED] [REDACTED]
kames.co.uk | @kames



KAMES FISH FARMING LIMITED

Kilmelford, by Oban, Argyll, PA34 4XA | kames.co.uk | @kamesfishfarm



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DOCUMENT 11a: Mowi proposed broodstock sites (attacments 11b and 5a)

From: [REDACTED]
Sent: Tuesday, December 21, 2021 1:38 PM
To: [REDACTED]@gov.scot>
Subject: FW: Mowi proposed broodstock sites

Hi [REDACTED],

Comments in attached. You should also direct Mowi to the DMA page for reference to answer the methodology question on DMA's rather than 'tidal excursion areas' (their statement would answer the question in itself!). They can either read this or read the description in the Final ISA Report.

I think the risks of disease occurrence or spread for marine open pen broodstock sites would be the same as those considered for conventional farming. The increased risk coming from the extended timeframes and potential contact between different year classes or stock inputs. The authorisation for Mowi Scotland Ltd to operate as an APB requires this not to lead to an unacceptable risk of spreading disease.

Cheers

[REDACTED]r - Fish Health Inspectorate

Marine Scotland – Science

Scottish Government | Marine Laboratory | 375, Victoria Road | Aberdeen AB11 9DB

Tel: +[REDACTED] [REDACTED]

w: <https://www.gov.scot/marine-and-fisheries/>

From: [REDACTED]>
Sent: 21 December 2021 11:40
To: [REDACTED]>
Subject: Mowi proposed broodstock sites

Hi,

Can you cast an eye over this please as we discussed? I have attached the query we received.

Any questions let me know.

[REDACTED]
Senior Fish Health Inspector / Aquaculture Planning
Marine Scotland - Science

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen AB11 9DB

Tel: +[REDACTED]

[REDACTED]

[REDACTED]

W: <https://www.gov.scot/marine-and-fisheries/>

I am currently working flexibly from home therefore emails may be read and responded to out with normal working hours.

DOCUMENT 12 – Potential Broodstock Facility Discussion

-----Original Appointment-----

From: [REDACTED]@mowi.com>

Sent: Thursday, July 1, 2021 2:01 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: Potential Broodstock Facility Discussion

When: 16 July 2021 10:15-11:45 (UTC+00:00) Dublin, Edinburgh, Lisbon, London.

Where: Microsoft Teams Meeting

Hi all,

As discussed with Charles on the phone, Mowi would appreciate a conversation with MS in relation to the health surveillance and inspection aspects related to a potential broodstock facility. This should be an informal chat to discuss initial thoughts and positions on the topic.

Many thanks.

Vennlig hilsen/Best regards

[REDACTED]

Health Director Scotland, Ireland and Faroes

Mowi Scotland

Mobile: +[REDACTED]

Mail: [REDACTED]@mowi.com

Address: Stob Ban House

Glen Nevis Business Park

Fort William

PH33 6RX

Scotland, UK

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DOCUMENT 13 – Sites to be registered as broodstock

From: [REDACTED]e@gov.scot>
Sent: Wednesday, October 11, 2023 9:41 AM
To: [REDACTED]@mowi.com>; [REDACTED]@gov.scot>
Cc: [REDACTED]@mowi.com>; [REDACTED]@wrs.co.uk>
Subject: RE: Sites to be registered as broodstock

Morning [REDACTED],

If the sites and area continue to be fallowed on a single year class basis with the production cycle only be periodically extended prior to fallowing, the fish may not be considered broodstock until they have moved to the freshwater environment prior to stripping. In this scenario they would be considered potential broodstock. This situation is currently in place at other production sites operated by other APB's which continue to fallow on a single year class basis but have broodstock selected from the production population for stripping.

Can you confirm the production plans for the Ardessie sites? Will the sites and production area still fallow synchronously on a single yearclass basis?

Regards,
[REDACTED]**From:** [REDACTED]>
Sent: Tuesday, October 10, 2023 6:21 PM
To: [REDACTED]>; [REDACTED]>
Cc: [REDACTED]>; [REDACTED]>
Subject: Re: Sites to be registered as broodstock

Hi [REDACTED]

Sorry I was meaning to send the application however I need to have it signed by our MD at Mowi who is also a Director of Wester Ross. Important to mention that we are not moving broodstock per say but potential broodstock which will be selected and then moved to our freshwater facilities and then becoming broodstock. The remaining of the population, not selected as broodstock, are to be harvested. Can you please confirm whether we still need to apply to a change. I have the form ready to go and to be signed on Monday when our MD is back from annual leave. Future potential broodstock will be transferred in mid November from one of our SW site.

Best Regards,
[REDACTED]

[REDACTED]
Mowi Scotland Limited

Mobile: [REDACTED]
[REDACTED]

Office: Mowi
Farms Office
Stob Ban House
Glen Nevis Business Park

Fort William
PH33 6RX

From: [REDACTED]>
Sent: Tuesday, October 10, 2023 10:54:31 AM
To: [REDACTED]>; [REDACTED]>
Cc: [REDACTED]>; [REDACTED]>
Subject: RE: Sites to be registered as broodstock

ALERT: This message originated outside of Mowi's network. **BE CAUTIOUS** before clicking any link or attachment.

Morning [REDACTED],

Just a reminder that you have yet to submit the below outlined applications for the proposed changes to your sites.

I would like to take this as an opportunity to let you know that myself and [REDACTED] will be off for the next two weeks while we take annual leave, returning on Monday 30th October. Broodstock should not be moved onto the Ardesie sites prior to Wester Ross Fisheries receiving the outcome of the application (if successful).

As [REDACTED] has mentioned previously, I should also remind you that although we will try to facilitate the changes to meet a desired timeframe, the regulations allow up to 90 days to determine APB authorisations from the point at which we have received all required paperwork.

Kind regards,
[REDACTED]

[REDACTED]

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

Tel: [REDACTED]

[REDACTED]w: <https://www.gov.scot/marine-and-fisheries/>

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Integrity



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Carnasserie Hatchery Location



For detailed site plan refer to Biosecurity Measures Plan





Wester Ross Fisheries Ltd

STANDARD OPERATING PROCEDURES

27. Biosecurity – Disinfection and General Hygiene Practices

Controlled Document
Issue date: 12/05/2022
Issue No: 9
Issued By: [Redacted]
Position: Health
Manager

Related SOP: 6. Removal of Mortalities from Pens (and their Storage), 45a. Morting Wooden Pens, 45b. Morting Using WRF Mort Rings, 48. Mortalities Disposal 58. Biosecurity at Elphin, 76. Hygiene Procedure 77. Feed Delivery 87. Diving Disinfection Procedure

Introduction

The aim of this document is to make the reader aware of Biosecurity issues, and armed with this knowledge, be able to reduce the chances of spreading diseases to the stocks under his or her control.

Biosecurity simply means making an area secure against external biological agents such as bacteria and viruses. Generally the security of an area can be enhanced in one of two ways:-

- Prohibit movement of potentially infective agents into the area:
- Disinfect potentially infective objects.

Rarely can one solution be applied to biosecurity issues. Usually it is a combination of methods that are used to reduce the potential of disease affecting a site.

Prohibiting the Movement of Potentially Infective Agents into an Area

There is a major problem with cages at sea, that is the seawater itself may contain disease vectors. The Infectious Pancreatic Necrosis Virus (IPNV) is almost certainly found in seawater as free viral particles (in infected waters), as well as probably being bound up with plankton particles. There is little that can be done to combat this problem, except to ensure very high husbandry standards, and perhaps use feed with immune system-supporting ingredients (e.g. Protec, Response Xtra, and Booster feed or equivalent) to enable the fish to have the best possible chance of suppressing any challenge.

The other route for infection of penned fish is by the disease vector being brought onto the pen group by personnel or equipment. This problem is more easily dealt with and the main strategies which can be applied are:

- Dedicate equipment, clothing and staff to one site:

- Only dedicate **certain** pieces of equipment to one site. Frequently used equipment should be site specific, while seasonal equipment e.g. fish pump could be moved to another site:
- Allow restricted staff movements, provide disinfection procedures are applied
- Keep boat traffic between sites to a minimum.

Whatever strategy is chosen, it must be flexible. If a site has an outbreak of a particularly virulent and infectious disease, then it would be sensible to isolate that site in terms of staff and equipment.

Where there are no apparent disease issues between sites then providing rigorous disinfection, procedures are in use the risk of disease transmission will be at a minimum.

Disinfection Routines

There are many types of disinfectants available, but they all work on the same principal, that is they **require a fixed concentration of active ingredient to be in contact with the surface of the material being disinfected for a prescribed length of time**. This means it is important to know which disinfectant is being used. There is a recording sheet titled “Equipment Disinfection Records” which will be completed when farm equipment is disinfected before or after use on different sites. The last page of this document shows an example of this form.

Three main disinfectants are in use at the sea sites:

1. **Iodophore Disinfectant** – containing 1.5% w/w available iodine. The advantage of this disinfectant is that there is a colour change as it loses its activity, changing from amber to a pale straw colour. This product has virucidal, bactericidal and fungicidal properties.
2. **Sodium Hypochlorite** – containing 11.0% w/w available chlorine. The released chlorine is an active virucide, fungicide, and bactericide.
3. **Bioclenze**. Suitable around food product areas (eg. Harvest table or bins)

Before using any disinfectant make sure you have read the information and instruction label found on the container holding the concentrate. There will also be an accompanying COSSH form held in section 22.Hazardous Substances of NFU Mutual’s Health & Safety File as well as Health & Safety data sheet held in H&S data sheets files.

In all cases organic matter will decrease the effectiveness of the disinfectant. Grease, mud and fish flesh will all affect the efficacy of the process. Therefore it is important that

items are cleaned **prior** to disinfection. If fat and grease are present then it is best to use a degreaser first and then if practical steam clean the item. If this is not practical then rinse down the equipment before applying the disinfectant.

Iodophore Disinfectant

- a. This disinfectant is ideal for foot dips. The solution should be made up at a concentration of **133 ml disinfectant per 10 litres of water**. This should give a liquid which has a dark straw colour.
- b. The advantage of using an iodophore disinfectant is that the straw colour of the solution fades as the iodine is used up/denatured and it makes it easy to tell when the solution needs replacing.
- c. A disadvantage of using this disinfectant to clean equipment is that it readily foams, and therefore makes it difficult to rinse equipment thoroughly. This can be a problem if live fish are going to be carried in the equipment.

Sodium Hypochlorite

- a. This disinfectant is used at a concentration of **100mls to 40 litres of water**, (10mls in 4 litres of water).
- b. The concentrate is corrosive and will cause burns as well as bleaching and disintegration of clothing.
- c. The advantage of this disinfectant is that it is non-foaming, and therefore more easily rinsed from equipment.
- d. The disadvantage of this disinfectant is that, because the solution is colourless, it is not possible to tell visually when the active ingredient is exhausted.

Food Safe Disinfectants

These are specialist disinfectants that are used on surfaces and for equipment which come into contact with food. They are non-tainting, odourless and effective against bacteria, viruses, fungi, algae and yeasts.

Currently we use Bioclenze to wash down the harvest table, cutting boards, knives after the harvest.

Bioclenze is a product is both degreaser and disinfectant and therefore means two products are not required for harvest table washdown.

The Bioclenze container is fitted with hand pump. The working concentration is achieved by adding 10 pumps of Bioclenze into one of our yellow buckets which is then filled to the 10 litre mark with seawater.

For more details how those products are used during harvest cleaning routine please refer to SOP no 15 Harvest Operations.

Record of disinfection routines and person responsible for the task is kept on the Harvest Data Sheet which is used to update Djournal.

Disinfection and Moving Between Sites

If taking protective clothing between sites is unavoidable, then the clothing **MUST** be disinfected. Any organic matter should be removed **BEFORE** disinfection starts. An iodophore based disinfectant is best for this task.

- Life jacket covers should be wiped down, care being taken not to soak the jacket inside the cover;
- Oilskins must be well brushed with a brush soaked in disinfectant;
- Wellington boots must be dipped and their sides brushed.

There is no need to rinse the clothing, leave it to drip dry.

At certain times it is possible that moving protective clothing between sites will be totally unacceptable, i.e. when there is a known disease problem at one of the sites.

Reviewed 12.5.23

**APPLICATION TO AMEND AN AUTHORISATION OR REGISTRATION UNDER
THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009 AND TO NOTIFY
CHANGES TO AN AQUATIC ANIMAL HOLDING SITE.**

Please read the accompanying guidance notes before completing this form.
(Read our [privacy notice](#) to find out what we do with your information.)

Business name	Wester Ross Fisheries Ltd
Authorisation / Registration number	FB0447

1. Amendment or change of details

Please tick the type of amendment required:	
Amendment to business details (e.g. business name, address)	<input type="checkbox"/>
Change of business ownership	<input type="checkbox"/>
Amendment of conditions of authorisation	<input checked="" type="checkbox"/>
Changes to site details (e.g. site name, species held, site grid reference)	<input type="checkbox"/>
Changes in status of business or sites (e.g. inactivation, de-registration)	<input type="checkbox"/>
Transfer of aquaculture site(s) to or from this business	<input type="checkbox"/>
(NOTE: If the operation of the site or the site details are changing on transfer, the receiving business must instead complete an 'aquatic animal holding site details form')	

2. Detail

Please provide details of the reason for applying / notifying an amendment to your authorisation, authorisation conditions or change to your registration

Both Ardessie A (FS0517) and Ardessie B (FS0675) will be used for potential broodstock only, to be selected and transferred to a freshwater site. In 2023, selected broodstock will be moved in mid-October (total of 2000 fish max) to Carnasserie hatchery while we are building our new broodstock facilities where next cohort will be transferred in 2024. We will have only one year class stocked in Ardessie (both A and B) and fish will be monitored and managed according to the CoGP.

	The Marine Directorate, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB. Tel +44 (0)131 2442500, Fax +44 (0)131 2440944, Email ms.fishhealth@gov.scot https://www.gov.scot/policies/fish-health-inspectorate/
--	--

3. Business transfers and change to business status:

For business transfers:

New business name			
Authorisation / Registration number			
Contact title	Mr <input type="checkbox"/>	Mrs <input type="checkbox"/>	Miss <input type="checkbox"/>
	Ms <input type="checkbox"/>	Dr <input type="checkbox"/>	Other <input type="checkbox"/>
Contact name(s) (in full)			
Contact position			
Address			
		Postcode	
Telephone No		Fax no	
Other tel No		Mobile No	
e-mail			

For a change in business status:

Date of business status change			
Business status to change to (✓)	ACTIVE <input type="checkbox"/>	DEREGISTERED <input type="checkbox"/>	NON-PRODUCING <input type="checkbox"/>
Are any of the sites belonging to the business to be transferred to another business?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>

4. Site transfers and change to site status:

For site transfers:

Site name(s) to be transferred	Site number(s)
Name of business that sites will be transferred from	
Authorisation / Registration number	
Name of business that sites will be transferred to	
Authorisation / Registration number	

For change of site status:

A = Active
 I = Inactive
 D = Deregistered

Site name(s)	Site number(s)	Date status changed	Status changed to (✓)		
			A	I	D
Ardessie A	1	01/10/2023	✓		
Ardessie B	1	01/10/2023	✓		

REGULATION 8(5) AND REGULATION 12(6) OF THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009 MAKE IT AN OFFENCE FOR A PERSON TO PROVIDE INFORMATION OR MAKE A STATEMENT IN AN APPLICATION THAT IS FALSE, AND WHICH THAT PERSON KNOWS OR SUSPECTS IS FALSE.

I declare that the information I have supplied is accurate to the best of my knowledge.			
Signature:	[Redacted]	Date:	16/10/23
Name:	[Redacted]	Position held:	[Redacted]

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Amendment granted (APB/ APE)	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	INITIAL	New authorisation certificate issued	INITIAL
Date transferred					INITIAL	Registration details changed	INITIAL

	The Marine Directorate, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB. Tel +44 (0)131 2442500, Fax +44 (0)131 2440944, Email ms.fishhealth@gov.scot https://www.gov.scot/policies/fish-health-inspectorate/
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APPLICATION TO AMEND AN AUTHORISATION OR REGISTRATION UNDER THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009 AND TO NOTIFY CHANGES TO AN AQUATIC ANIMAL HOLDING SITE.

Please read the accompanying guidance notes before completing this form.
(Read our [privacy notice](#) to find out what we do with your information.)

Business name	Mowi Scotland
Authorisation / Registration number	FB0119

1. Amendment or change of details

Please tick the type of amendment required:

Amendment to business details (e.g. business name, address)

Change of business ownership

Amendment of conditions of authorisation

Changes to site details (e.g. site name, species held, site grid reference)

Changes in status of business or sites (e.g. inactivation, de-registration)

Transfer of aquaculture site(s) to or from this business

(NOTE: If the operation of the site or the site details are changing on transfer, the receiving business must instead complete an 'aquatic animal holding site details form')

2. Detail

Please provide details of the reason for applying / notifying an amendment to your authorisation, authorisation conditions or change to your registration

Mowi propose to change the use of Carnassarie Hatchery (FS0757) for holding Rainbow Trout broodstock to Atlantic Salmon broodstock.

3. Business transfers and change to business status:

For business transfers:

New business name							
Authorisation / Registration number							
Contact title	Mr <input type="checkbox"/>	Mrs <input type="checkbox"/>	Miss <input type="checkbox"/>	Ms <input type="checkbox"/>	Dr <input type="checkbox"/>	Other <input type="checkbox"/>	
Contact name(s) (in full)							
Contact position							
Address							
		Postcode					
Telephone No		Fax no					
Other tel No		Mobile No					
e-mail							

For a change in business status:

Date of business status change			
Business status to change to (✓)	ACTIVE <input type="checkbox"/>	DEREGISTERED <input type="checkbox"/>	NON-PRODUCING <input type="checkbox"/>
Are any of the sites belonging to the business to be transferred to another business?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

4. Site transfers and change to site status:

For site transfers:

Site name(s) to be transferred	Site number(s)
Carnassarie Hatchery	FS0757
Name of business that sites will be transferred from	Kames Fish Farming Ltd
Authorisation / Registration number	FB0134
Name of business that sites will be transferred to	Mowi Scotland Ltd
Authorisation / Registration number	FB0119

For change of site status:

A = Active
I = Inactive
D = Deregistered

Site name(s)	Site number(s)	Date status changed	Status changed to (✓)		
			A	I	D
Carnasserie Hatchery	FS0757	31/10/23	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REGULATION 8(5) AND REGULATION 12(6) OF THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009 MAKE IT AN OFFENCE FOR A PERSON TO PROVIDE INFORMATION OR MAKE A STATEMENT IN AN APPLICATION THAT IS FALSE, AND WHICH THAT PERSON KNOWS OR SUSPECTS IS FALSE.

I declare that the information I have supplied is accurate to the best of my knowledge.			
Signature:	[Redacted]	Date:	16/10/23
Name:		Position held:	[Redacted]

For official use only

Amendment granted (APB/ APE)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	INITIAL	New authorisation certificate issued		INITIAL
Date transferred					INITIAL	Registration details changed		INITIAL

AQUATIC ANIMAL HOLDING SITE DETAILS FORM PERSUANT TO THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009

The Aquatic Animal Health (Scotland) Regulations 2009 ('the 2009 Regulations') require all Aquaculture Production Businesses (APB's) to be authorised by Scottish Ministers and all non-commercial aquaculture production businesses (NCB's) to be registered with Scottish Ministers. Details of individual sites operated by APB's and NCB's are also registered by the Scottish Ministers in the context of that authorisation / registration process. Please read the accompanying guidance notes before completing this form in respect of each site owned or to be operated by the authorised APB or registered NCB.

(Read our [privacy notice](#) to find out what we do with your information.)

1. Business details

Business name	Mowi Scotland Ltd
Business authorisation/ registration number	FB0119

2. Aquatic animal holding site manager details

Site manager title	Mr <input checked="" type="checkbox"/> Mrs <input type="checkbox"/> Miss <input type="checkbox"/> Ms <input type="checkbox"/> Dr <input type="checkbox"/> Other <input type="checkbox"/>
Site manager name(s) (in full)	[Redacted]
Site postal address	Mowi Scotland Ltd, Carnassarie Hatchery, Carnassarie Mill Kilmartin, Lochgilphead, Argyll
	Postcode PA31 8RQ
Telephone no	[Redacted]
	Fax no
Other telephone no	
	Mobile no
e-mail	[Redacted]

3. Aquatic animal holding site contact person details (if different from site manager)

Site contact title	Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Miss <input type="checkbox"/> Ms <input type="checkbox"/> Dr <input type="checkbox"/> Other <input type="checkbox"/>
Site contact name(s) (in full)	
Position	
Telephone no	
Other telephone no	
Mobile no	
Fax no	
e-mail	

4. Aquatic animal holding site details

Site name	Carnassarie Hatchery				
Site location	Kilmartin				
Site grid reference (please attach a map clearly showing the boundaries of the site)	NM843012				
Shore base grid reference (If applicable)					
Is this a several order site?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Title
Government Region (pre 1997)	Strathclyde				<input type="button" value="v"/>
Unitary Council Area	Argyll and Bute				<input type="button" value="v"/>
Local council planning reference number	93/00048/DET001				
District Salmon Fisheries Board (DSFB)	Argyll				<input type="button" value="v"/>
Fisheries trust	Argyll Fisheries Trust				<input type="button" value="v"/>

5. Water supply(s) and Recirculation type(s) – Please select all appropriate Options

Freshwater	Type	(✓)	Supply disinfected at intake (✓)	Name of water supply or location
	River	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Kilmartin Burn NM 84388 01388
Borehole	<input type="checkbox"/>	<input type="checkbox"/>		
Spring	<input type="checkbox"/>	<input type="checkbox"/>		
Stillwater	<input type="checkbox"/>	<input type="checkbox"/>		
Piped Still Water	<input type="checkbox"/>	<input type="checkbox"/>		
Mains	<input type="checkbox"/>	<input type="checkbox"/>		
Partial re-circulation	<input type="checkbox"/>			
Full re-circulation	<input type="checkbox"/>			

Seawater	Type	(✓)	Supply disinfected at intake (✓)	Name of water supply or location
	Tidal	<input type="checkbox"/>	<input type="checkbox"/>	
Pumped	<input type="checkbox"/>	<input type="checkbox"/>		
Artificial	<input type="checkbox"/>	<input type="checkbox"/>		
Partial re-circulation	<input type="checkbox"/>			
Full re-circulation	<input type="checkbox"/>			

6. Stock details

Species held	Stage (code)	Facility (code)	Facility description	No of Facilities
Atlantic Salmon	BRD <input type="checkbox"/>	FTA <input type="checkbox"/>	5m diameter fibreglass tanks	17
	-	-		
	-	-		
	-	-		
	-	-		

Please provide a date for initial stocking of the site

31/10/23

7. Biosecurity measures and site practices

Is effluent from the site disinfected prior to discharge?		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
If yes, please provide details (including method, type of disinfectants used, product names, % active ingredient, concentration and contact times)					
Point of effluent discharge (if known please detail OS grid ref or lat / long co-ordinates)		NM 84304 01196			
Please detail the method and frequency of mortality / animal waste removal		Hand netted daily			
Method of mortality / animal waste storage and disposal		Ensiling			
Destination of mortalities / animal waste		Ensiling plant			
Does this site have any common processes with other aquatic animal holding sites relating to mortality/ animal waste collection / disposal?		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
If yes, please detail					
Is this site a collection point for mortalities / animal waste for other aquatic animal holding sites?		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is there a comprehensive written biosecurity plan and/or veterinary health plan in place for this site? (If yes, please enclose a copy)		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Are suitable measures in place to maintain the physical containment of the stocks on site?		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Will suitable records be maintained of-	Movements of aquatic animals and products thereof, into or out of the site	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Mortality in each facility	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Results of the site's risk-based animal health surveillance scheme	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Will live aquatic animals be moved onto the site from other countries / health zones?		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
If yes, please detail the country and the names of suppliers	Country	Name of supplier			

Please detail how many individual live aquatic animal movements will be made off site in a normal production cycle. If more than 10 movements, please state '>10'		9	<input type="checkbox"/>
Please detail the number of destinations live aquatic animals will be moved to. If more than 10 movements, please state '>10'		1	<input type="checkbox"/>
Will any processing of aquatic animals take place on site?	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are unpasteurised feeds used on the site?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is any equipment / are any staff at this site shared with other sites?	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
If yes, please detail what is shared and whether disinfection is carried out between sites	Staff will come for other sites to help in busy periods. Visiting staff will change into site specific PPE and wash and disinfect their hands upon entry to the site as defined in the BMP.		
If this is a cage site, are the cages used compliant with all applicable Health and Safety Executive requirements?	Yes	<input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

Has this site been transferred from another business?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Date of transfer	4/10/23			
Previous business name	Kames Fish Farming Limited			
Previous business authorisation / registration No	FB0134			

REGULATION 12(4) AND 12(5) OF THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009 MAKE IT AN OFFENCE FOR AN OPERATOR (OF A NCB) TO FAIL TO NOTIFY SCOTTISH MINISTERS, IN WRITING, OF ANY CHANGE TO INFORMATION SUPPLIED IN THIS APPLICATION, WITHIN 30 DAYS OF THE CHANGE.

REGULATION 9 OF THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009 REQUIRES OPERATORS (OF APB's) TO APPLY TO SCOTTISH MINISTERS, IN WRITING, FOR ANY AMENDMENT TO INFORMATION SUPPLIED IN THIS APPLICATION, PRIOR TO THE AMENDMENT.

For this purpose, it is recommended that a copy of your application is retained for your records.

REGULATION 8(5) AND REGULATION 12(6) OF THE AQUATIC ANIMAL HEALTH (SCOTLAND) REGULATIONS 2009 MAKE IT AN OFFENCE FOR A PERSON TO PROVIDE INFORMATION OR MAKE A STATEMENT IN AN APPLICATION THAT IS FALSE, AND WHICH THAT PERSON KNOWS OR SUSPECTS IS FALSE.

Please indicate if (✓) the following have been included:	Map showing site / unit location	<input checked="" type="checkbox"/>
	Copy of the site biosecurity or veterinary health plan	<input checked="" type="checkbox"/>
I declare that the information I have supplied is accurate to the best of my knowledge.		
Signature:	[Redacted]	Date: 16/10/23
Name:	[Redacted]	Position held: Broodstock Development Ma

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Site no:	F S 0 7 3 7	Bus reg/ auth no:	F B 0 1 1 9	Date of site registration	
COGP MA	N/A	Management area	N/A	Control status	NON
Surv. freq.	L <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> N/a <input type="checkbox"/>	FHI compliant	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/a	<input checked="" type="checkbox"/>
Site status	Active	Site category	ECl	Signed to COGP	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/a <input type="checkbox"/>

Carnassarie Clean and Disinfection Checklist;

* Please ensure to use correct PPE during cleaning and disinfection (see COSHH folder).

* All points (I&J-Row tab) must be signed off between each Year Class (minimum requirement).

TANKS

1	Pipeline from intake cleaned and disinfected, including header tank at the old mill (Caustic Soda/Virkon).
2	Belt filter pit cleaned and disinfected (Caustic Soda/Virkon).
3	Tanks (including drainage pipe) cleaned and disinfected (Caustic Soda/Virkon).
4	Outlet sump cleaned and disinfected.
5	All equipment (fish boxes,nets,jugs, scales etc.) cleaned and disinfected.
6	Clothing (boots, oilskins etc.) cleaned and disinfected.

Cleaned
Sign Date

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Disinfected
Sign Date

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Lab

1	All surfaces cleaned and disinfected (Caustic Soda/Virkon).
2	Floors cleaned and disinfected (Caustic Soda/Virkon).
3	Fridge cleaned and disinfected (Cif).

Cleaned
Sign Date

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Disinfected
Sign Date

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Stripping Room

1	All surfaces (Caustic Soda/Virkon).
2	Floors cleaned and disinfected (Caustic Soda/Virkon).
3	Incubator cleaned and disinfected (Cif).
4	Ova bucket rail cleaned and disinfected (Caustic Soda/Virkon).
5	All equipment (fish boxes,nets,jugs, scales etc.) cleaned and disinfected.

Cleaned
Sign Date

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Disinfected
Sign Date

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Drying Room

1	All surfaces (Caustic Soda/Virkon).
2	Floors cleaned and disinfected (Caustic Soda/Virkon).
3	Clothing (boots, oilskins etc.) cleaned and disinfected.

Cleaned
Sign Date

--	--

Disinfected
Sign Date

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Carnasserie Biosecurity Measures Plan

The primary objectives of the Biosecurity Measures Plan (BMP) are to reduce the risks of transmitting pathogens and pathogenic materials onto and off the site, and to maintain the highest standards of fish husbandry in accordance with written procedures, to maximise stock survival and performance.

The BMP is a written control procedure to which all members of staff must comply and ensure the compliance of others, staff and visitors. The procedures are reviewed regularly to ensure they continue to address the main areas of risk.

In case of an emergency, please contact:


Site Manager	[REDACTED]	[REDACTED]
Development Manager	[REDACTED]	[REDACTED]
Veterinary Surgeon	[REDACTED]	[REDACTED]
Marine Scotland FHI duty inspector	Duty inspector	01312443498 ms.fishhealth@gov.scot

A fence surrounds the site on the three sides with the Kilmartin Burn completing the boundary. Personnel and visitor access to the site is through a small shed located at the northern boundary. Vehicle access is through a gate in the same location. The following topics are included in the BMP, and should be guaranteed and safeguarded at all times:

Water supply and effluent discharge

- Water is abstracted from the Kilmartin Burn which runs beside the site. The current abstraction license is 16.5l/sec (1,425.6m³/day) from 1st of June until the 30th of September and 38.5l/sec (3326.4m³/day) from the 1st of October to the 31st of March. The abstraction license also has additional requirements to ensure a certain minimal level of residual flow at all times and a greater level of residual flow when the flow above the intake has reached a certain level.
- The abstracted water passes through a coarse screen to prevent large debris entering the intake pipework. The water then flows over a 200 micron belt filter to remove leaves and large particulate from the water. This will also





prevent any wild fish entering the fish tanks. After the belt filter the water enters a header tank which then supplies all 17 fish tanks.

- The flow of water through the site is all by gravity. No pumps are required to maintain the water flow.
- The effluent water arising from the fish tanks drains into a settlement chamber before returning to the Kilmartin burn. The site is used to stock broodstock fish which are not feeding when they return to freshwater so no mechanical filtration of the effluent water is required in order to comply with the discharge license.
- Dissolved oxygen is monitored in each tank with an online probe. The reading from this probe can activate emergency oxygen diffusers in the tank should the oxygen level go below a lower threshold. The system will also activate an alarm to alert staff if the oxygen levels continue to fall to critical levels for the welfare of the stock. Staff will be available 24 hours a day to respond to alarms to rectify any issues.

Stocks

- The site is used to house broodstock fish prior to spawning. The broodstock population will be screened for any notifiable diseases at the broodstock seawater site. If any issue is detected the fish will not transfer into Carnasserie. Broodstock will only be sourced from sites of the same or higher health status as the GB health zone. The broodstock stocked to Carnasserie will also have spent their entire life history within Scottish salmon farms. Broodstock are stocked in the 17 fish tanks at between 30 and 50kg/m³.
- The fish are checked regularly to assess readiness for spawning. If the fish is deemed to be ready to spawn then a sample of the ovarian fluid or milt is taken from the fish and sent for PCR analysis the day prior to the stripping operation.
- During the stripping operation fish are removed from the tanks and euthanised with a lethal dose of anaesthetic. The eggs will be removed and the carcass of each of the parent fish will be checked by a veterinarian or fish health manager. If any issue is suspected the eggs from that fish will be immediately discarded.
- Unfertilised eggs will then be shipped to the hatchery. Once the PCR testing results are available, any eggs from parent fish where IPN has been detected will be discarded. The remaining eggs will then be fertilised and laid down in the hatchery.
- Once all the broodstock fish have spawned and the carcasses ensiled and removed from site all equipment used for handling these fish is disposed and the tanks are cleaned and disinfected. (refer to fallow period disinfection SOP) The effluent pipes are then scoured using a high pressure water jetting and

Commented [A1]: Will any tissue sampling and diagnostic testing be done during this examination?

Commented [A2R1]: Not routinely on every fish. We will sample the ovarian fluid and milt of every fish.

Commented [A3]: Explain what would be regarded as an issue to instruct disposal of eggs.

Commented [A4R3]: We will discard eggs that are IPN positive. What we decide to screen for may change depending on the prevalent issues and we may set a CT value below which we discard eggs and above which we will continue to lay the eggs down.

Commented [A5]: Provide details of disinfectant active ingredient, concentration and contact time or reference an SOP which contains these details.

Commented [A6R5]: Edited



then also disinfected and the site fallowed for a minimum of 9 months prior to restocking.

- All movements of live animals onto and off site must be recorded within 24 hours of being moved. The movement records book as supplied by Marine Directorate FHI will be used for this purpose.
- Fish transport lorries and tanks must be disinfected before arrival to the site, and separate disinfection records must be maintained for lorries (refer to Lorry Disinfection Procedure)
- The highest standards of husbandry should be practised at all times.
- Routine daily stock inspection is carried out by trained husbandry staff. A member of the Health Team will visit the site routinely and produce a report which will be stored on site and up-loaded into the health database. These reports can be made available to the FHI upon request.
- If unusual behaviour or unusually high mortalities are noticed, the Health Team should be contacted to investigate. Any relevant person (defined as the owner of or person attending to the animals, any person accompanying them during transport, any veterinarian or other professional involved in providing a service to those animals and any person with an occupational relationship to those animals) will notify a veterinarian immediately if they suspect that increased mortality has occurred or is occurring in the animals.
- If any person knows or suspects that a listed disease is present in aquatic animals, this must be immediately reported to Marine Scotland FHI duty inspector by telephone followed in writing (contact details at the top of this document).
- Mortality removal will be carried out daily.
- Mortality removal should be carried out using disposable gloves.
- Separate bins, clearly labelled are available for mortality collection.
- The mortalities are taken to an ensilor on site immediately after collection and the bin thoroughly cleaned and disinfected with 1% solution of Virkon for 10 minutes before being used again. Ensiled waste will be uplifted by registered waste carrier.
- A risk assessment must be completed prior to any movement of fish, into the site, or to another site. Only on the outcome of a favourable risk assessment should fish be moved. Stock will only be moved to a site authorised to hold Atlantic Salmon ova.
- Site VHP to be updated and reviewed regularly.

Site Personnel/Visitors/Vehicles

- All staff enter the site through the changing facility. Site personnel including all engineering, projects and management staff will firstly remove outside footwear and jackets and then disinfect their hands before proceed to the next

Commented [A7]: Disinfectant active ingredient, concentration and contact time or reference SOP

Commented [A8R7]: Edited

Commented [A9]: Detail if this is on site and how ensiled waste is disposed of.

Commented [A10R9]: Edited


Commented [A11]: Disinfectant active ingredient, concentration and contact time or reference SOP

Commented [A12R11]: Edited

Commented [A13]: Include detail that stock should only be moved to a site that is authorised to hold that species and development stage.

Details of the anticipated need to transfer fish off site and to where should be included.

Commented [A14R13]: Edited



section where they will put on their coverall and their work-boots. This clothing and footwear can only be used in the farm. Each member of staff will have two sets of clothing so that one set can be washed when required using the facilities available on site. No member of staff will be allowed access when their clothes have been wetted with water from another fish farm facility or are contaminated with biological waste. In this situation they will be required to change their clothing before arriving at the farm. Contractors hired to complete work in the building will be required to change footwear when working in the production areas and wear a coverall provided to them. A range of sizes will be made available. This clothing will be marked for use by contractors only and will not be used for any other purpose.

- Hand washing and toilet facilities are provided on-site.
- Visitors or any other company employees who are not employed directly at Carnasserie are required to sign the Visitors Book/Visitors Form on their arrival. Visitors must notify their arrival to the site manager, and be accompanied at all times inside the site. All visitors will be made aware of basic bio-security arrangements. Visitors are also required to change into site specific clothing. Visitor gear will be labelled as such and will not be used for any other purpose.
- The whole site is surrounded by a fence. Vehicles access onto/off the site is controlled via the main entrance gate. Deliveries for consumables will not enter the site but instead they are directed to park outside the farm on the access road and deliver the items to the non-biosecure side of the changing room.
- Fish will be delivered to the site by lorry. Prior to loading the lorries the disinfection records are checked and all surfaces checked for cleanliness. Upon arrival at the site the lorries will be directed to stop at the gate where the wheels are cleaned and disinfected. The lorries then reverse into the tank area. The broodstock fish are anaesthetised in the transport tanks and staff enter the tanks in waders to gently lift the fish from the water and pass them into a piping system that will be constructed to allow the fish to slide down from the lorry tank into the fish tanks.

Facilities and equipment


- **The site cleaning and disinfection Schedules** specify the agent, frequency and method of cleaning and disinfection for the facilities, plant, and equipment under normal operating conditions and during the empty period prior to re-stocking.
- Nets and brushes will be disinfected after each use and in between each tank.
- All cleaning and disinfection activities will be recorded on the site cleaning record.

Commented [A15]: Include details of measures in place for the containment of fish.

Commented [A16R15]: Edited

Commented [A17]: Provide these in conjunction with this document.

Commented [A18R17]: Provided



- A disinfection area is available beside the entrance shed for materials entering the site.
- Any equipment entering or leaving the site should be accompanied by an approved movement request which proves the item is in good condition and has been disinfected following the appropriate procedures. In general however this will be avoided unless absolutely necessary with all equipment at Carnasserie being site specific.
Three barriers will be in place to prevent escape of the fish from the tank drains, This takes the form of the drianage screen, the drianage pipe itself which is smaller than any of the fish stocked and a final screen within the effluent sump.

Wild vectors

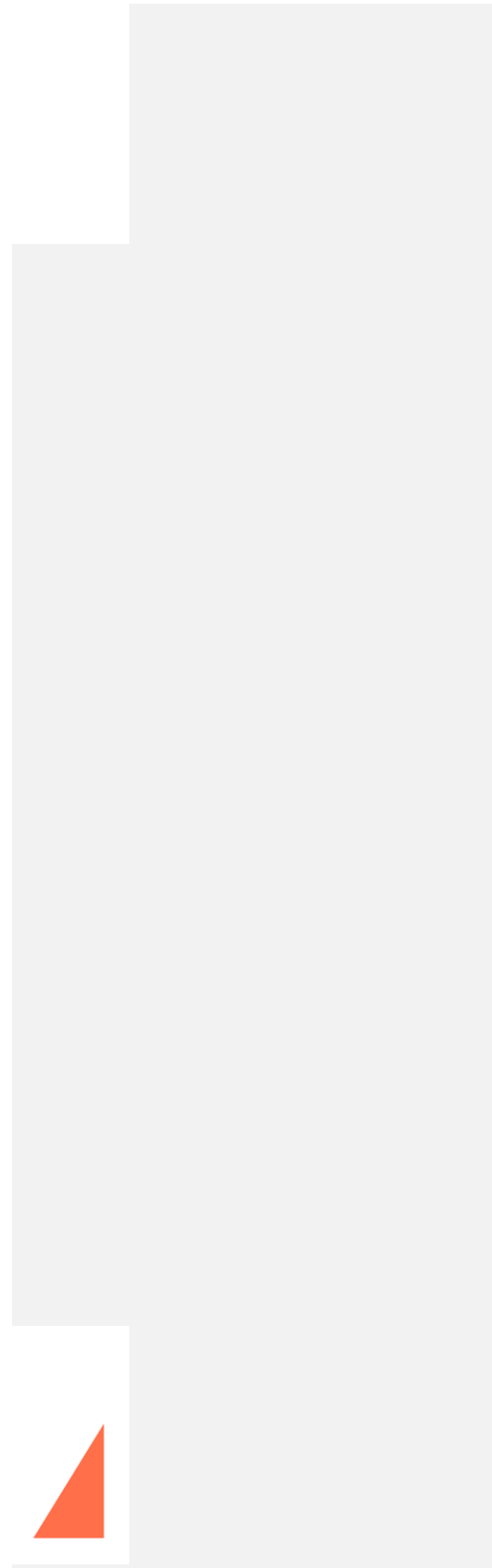
- Scavenging animals spread diseases that can affect stock and human health. These risks are minimised by preventing access and removing any sources of attraction.
- The tanks are covered by shade netting to prevent bird access.
- All external doorways must be kept closed when not in use.
- Rodent control measures should be used within the main shed.
- No feed will be used or stored on site which reduces the risk of rodent issues.
- Mortality storage procedures are designed to prevent leakages and access by scavenging animals.
- Mortalities must never be left uncovered and unattended.

Emergency procedures during clinical cases of diseases or high mortality periods

- Husbandry personnel should wash and disinfect their hands between working with each individual tank.
- All dedicated tank equipment will be disinfected after each day's use.
- Disposable gloves will be changed between tanks.
- All stock handling operations will cease unless otherwise authorised by the Area Manager.
- **No unauthorised visitors will be allowed on site.**
- Dedicated mortality storage and disposal capability will be implemented on site.
- Mortality will be reported daily to the Area Manager.
- Once implemented emergency procedures many only be relaxed by authorisation from the Area Manager.
- Fish movements on or off the site will be stopped until the situation as resolved.

Commented [A19]: This should perhaps be no unauthorised visitors, to prevent issues leading to an offence of obstruction being committed if staff prevent access of the Official Authority.

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Site Layout

