

**From:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Sent:** 21 May 2021 12:47

**To:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Cc:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>;

<REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>;

<REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>;

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**Subject:** RE: Official - Confidential - Case 2021-0132

Folks

We have carried out a case review this morning and have concluded that HPR deleted ISAv is not present but that HPR0 is present at Spelve (B), a site operated by Scottish Sea Farms.

On that basis, the IDN will be revoked this afternoon. HPR0 is not controlled by the Aquatic Animal Health (Scotland) Regulations 2009

The company have been informed of the result.

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

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**From:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Sent:** 21 May 2021 11:53

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**Subject:** FW: Official - Confidential - Case 2021-0132

Thank goodness. We should update the minister today or Monday.

In terms of actions, I take it the notice gets lifted. Is there any FHI follow up we should include?

Will log off for today now this has some through.

<REDACTED - PERSONAL INFORMATION>

**From:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Sent:** 21 May 2021 11:47

**To:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Cc:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Subject:** Official - Confidential - Case 2021-0132

Hi All,

<REDACTED - PERSONAL INFORMATION> just analysed the ISAV sequence data and confirmed the presence of **ISAV HPR0 (the non-pathogenic form of the virus)**. <REDACTED - PERSONAL INFORMATION> performed an ISAV IHC that uses a PAb targeted against ISAV-deleted nucleoprotein and when read by <REDACTED - PERSONAL INFORMATION> and <REDACTED - PERSONAL INFORMATION> produced a very clear negative result. Both independent test results clearly conclude that pathogenic ISAV HPR-deleted has **NOT** been detected from case 2021-0132.

**- ISAV HPR0 present in the sample.**

<REDACTED - OUT OF SCOPE>

Thanks

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

Marine Scotland – Science

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web address: <http://www.gov.scot/Topics/marine/science>

**From:** <REDACTED - PERSONAL INFORMATION> <<REDACTED - PERSONAL INFORMATION>@gov.scot>

**Sent:** 24 May 2021 12:05

**To:** Cabinet Secretary for Rural Economy and Tourism <CabSecRET@gov.scot>

**Cc:** Director of Marine Scotland Mailbox <Directormarinescotland@gov.scot>; Carmichael DB (Donald) <Donald.Carmichael@gov.scot>; <REDACTED - PERSONAL INFORMATION> <<REDACTED - PERSONAL INFORMATION>@gov.scot>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<REDACTED - PERSONAL INFORMATION>@gov.scot>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<REDACTED - PERSONAL INFORMATION>@gov.scot>; Voas S (Sheila) <Sheila.Voas@gov.scot>; <REDACTED - PERSONAL INFORMATION> <<REDACTED - PERSONAL INFORMATION>@gov.scot>

**Subject:** Official sensitive - UPDATE - suspicion of the presence of a listed disease

Cabinet Secretary –

### **Infectious Salmon Anemia (ISA) in Spelve (B), a site operated by Scottish Sea Farms.**

On Tuesday 18 May we advised of initial suspicion of the notifiable disease, ISA, in Spelve (B), a fin fish site operated by Scottish Sea Farms. We can now confirm that analysis of all fish samples by the Scottish National Reference Laboratory for fish diseases has confirmed the presence of ISAV HPR0 (the non-pathogenic form of the virus) , ruling out suspicion of ISA disease. The Initial Designation Notice has been withdrawn.

Kind regards

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

Marine Scotland: Aquaculture and Recreational Fisheries

Scottish Government

Tel: <REDACTED - PERSONAL INFORMATION>

E-mail: <<REDACTED - PERSONAL INFORMATION>@gov.scot

---

**From:** <REDACTED - PERSONAL INFORMATION> <<REDACTED - PERSONAL INFORMATION>@gov.scot>

**Sent:** 18 May 2021 19:40

**To:** Cabinet Secretary for Rural Economy and Tourism <CabSecRET@gov.scot>

**Cc:** Director of Marine Scotland Mailbox <Directormarinescotland@gov.scot>; Carmichael DB (Donald) <Donald.Carmichael@gov.scot>; <REDACTED - PERSONAL INFORMATION> <<REDACTED - PERSONAL INFORMATION>@gov.scot>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<REDACTED - PERSONAL INFORMATION>@gov.scot>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<REDACTED - PERSONAL INFORMATION>@gov.scot>; Voas S (Sheila) <Sheila.Voas@gov.scot>; <REDACTED - PERSONAL INFORMATION> <<REDACTED - PERSONAL INFORMATION>@gov.scot>

**Subject:** Official sensitive - suspicion of the presence of a listed disease



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**Subject:** For information

Folks

For your information only at this point.

The ISA PCR sample collected as part of an investigation into observed mortalities by <REDACTED - PERSONAL INFORMATION>, from Ormsary Broodstock Unit last week has returned a positive result. To date all of the follow-up results have been negative with regards the ISA deleted form of the virus.

The PCR result was determined only after 38 cycles, suggesting that any virus present was at extremely low levels. No lesions consistent with ISA were observed in histology. One liver lesion which was observed was subject to an immuno histo-chemistry assay, which returned a negative result for the HPR deleted form of the virus.

The only outstanding result is the sequence of the PCR product, which we hope to receive tomorrow.

I will raise at the meeting on Friday, but we have been asked to change our operating procedure for the collection of PCR samples – collecting them individually, rather than pooled. This is the second case this year where we have been reliant upon the product of a high cycle product, which is on the margins of detection - were sequencing to fail, orders remain in place until we are able to confirm or rule out the presence of the virus – collecting samples individually will reduce potential dilution effects and hopefully reduce the risk of having to resample, with the uncertainty that that will cause.

Can I ask that you do not discuss the result out with the bounds of the Inspectorate at this time – the company are aware of the result, as is our fish health policy lead in Edinburgh.

Thanks

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

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<REDACTED – INTERNAL DISCUSSIONS– 8 emails and two draft reports>

From: <REDACTED - PERSONAL INFORMATION> (MARLAB) <REDACTED - PERSONAL INFORMATION>@gov.scot>

Sent: 08 November 2021 17:02

To: <REDACTED - PERSONAL INFORMATION> (MARLAB) <REDACTED - PERSONAL INFORMATION>@gov.scot>

Subject: Ormsary broodstock

Importance: High

<REDACTED - PERSONAL INFORMATION>

You'll have seen that we have a PCR positive for ISA from samples taken from Ormsary last week.

Actions to date:

- Discussed with <REDACTED - PERSONAL INFORMATION> (*Marine Scotland Science Diagnostics*), she will read the histo in the morning, material for sequencing has been prepared, result expected Late Wednesday or Thursday.
- Discussed with <REDACTED - PERSONAL INFORMATION> (*Scottish Government – Aquaculture Health, Welfare and Innovation Policy*).
- Discussed with Jarl Van de Berg from Landcatch.
- Have arranged for the service of IDN

Can discuss tomorrow.

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

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**From:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION](mailto:REDACTED_PERSONAL_INFORMATION@gov.scot)>@gov.scot>

**Sent:** 11 November 2021 12:00

**To:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Subject:** RE: 2021-0470

OK, that's grand – I'll inform the company and move to get the notice withdrawn. I'll also let <REDACTED - PERSONAL INFORMATION> know.

Thanks

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

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**From:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Sent:** 11 November 2021 11:58

**To:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Subject:** RE: 2021-0470

<REDACTED - PERSONAL INFORMATION>

I am content that we don't review as there appears to be no ambiguity or interpretation required.

Regards

<REDACTED - PERSONAL INFORMATION>

**From:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Sent:** 11 November 2021 11:08

**To:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Subject:** RE: 2021-0470

<REDACTED - PERSONAL INFORMATION>

Do we want / need to case review this, or are we content with the result, report it to the company and withdraw the designation?

Happy to proceed either way, but would like it done soonest to comply with AA(S)HR 2009.

Many thanks

<REDACTED - PERSONAL INFORMATION>

<REDACTED - PERSONAL INFORMATION>

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**From:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Sent:** 11 November 2021 11:05

**To:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Subject:** RE: 2021-0470

Hi All,

I have very good news. <REDACTED - PERSONAL INFORMATION> just finished the alinement and it is 100% HPR 0. She have not yet updated LIMs as <REDACTED - PERSONAL INFORMATION> just finished it now. She will do it soon.

Cheers

<REDACTED - PERSONAL INFORMATION>

<REDACTED - OUT OF SCOPE>

**From:** <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Sent:** 08 November 2021 14:24

**To:** <REDACTED - PERSONAL INFORMATION> (MARLAB) <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>; <REDACTED - PERSONAL INFORMATION> <<[REDACTED - PERSONAL INFORMATION@gov.scot](mailto:REDACTED - PERSONAL INFORMATION@gov.scot)>>

**Subject:** 2021-0470



Hi <REDACTED - PERSONAL INFORMATION> and <REDACTED - PERSONAL INFORMATION>,

Just to want to let you know, we had a positive QPCR to ISA. It is a late qpcr, cp ~38, it might be HPR0 but we do not know. We are sending for sequencing the material tomorrow. Hopefully we will have news by Thursday/Friday.

<REDACTED - PERSONAL INFORMATION> have already signed off the test in LIMS, so you would be able to check it on your end.

Cheers

<REDACTED - PERSONAL INFORMATION>

**<REDACTED - PERSONAL INFORMATION>**

**<REDACTED - PERSONAL INFORMATION>**

Marine Scotland – Science

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