

Cox ID (Ian)

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**From:** [REDACTED]  
**Sent:** 05 October 2015 08:17  
**To:** Murdoch I J (Ian)  
**Subject:** RE: 5th Fish Waste Working Group Meeting - Draft Agenda  
**Attachments:** Disposal of Category 2 Waste in Shetland.docx

Hi Ian,

Many thanks for the invite to the fish waste working group. I'm unable to make it to Edinburgh tomorrow but if possible I would like to join the meeting by telephone. I have attached a brief document outlining the issues we are facing in Shetland and the plans we have in place to put alternative routes of disposal for category 2 waste. You will note that this plan will not be functional until mid-June 2016. We would therefore ask for a 6 month extension to the use of landfill in Shetland to allow us to put the necessary infrastructure in place. Please feel free to share this document with members of the group.

Best regards,

[REDACTED]

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**From:** Ian.Murdoch@gov.scot [mailto:Ian.Murdoch@gov.scot]

**Sent:** 28 September 2015 16:34

**To:** [REDACTED]

**Subject:** 5th Fish Waste Working Group Meeting - Draft Agenda

Hi all

The 5<sup>th</sup> Fish Waste Working Group meeting is scheduled for next Tuesday 6<sup>th</sup> October at 10:30. I have the following topics that I would like to discuss:

- Consultation update (15-20 mins)
- Legislation update (5 mins)
- 1<sup>st</sup> update to European Commission – due end of October (10 mins)
- Large scale mortality planning (5-10 mins)

We have a general action to focus on large scale mortality disposal on the agenda, I think some progress is happening with this through the change in legislation. So I am happy to add it permanently onto the agenda.

I have also tried to time my updates so you can decide if you want to come along to the meeting in person or dial in.

Does anyone else have anything they would like to add to the agenda?

Attached are the draft minutes from the last meeting. Also attached is the a non-confidential copy of the scoping study Enscape Consulting are carrying out.

Thanks

Ian

Ian Murdoch  
 The Scottish Government  
 Directorate for Agriculture, Food & Rural Communities  
 Animal Health & Welfare  
 P-Spur, Saughton House,  
 Broomhouse Drive,  
 Edinburgh, EH11 3XD

Tel: 0300 244 9833  
 Fax: 0300 244 9797



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Dh'fhaodadh gum bi teachdaireachd sam bith bho Riaghaltas na h-Alba air a chlàradh neo air a sgrùdadh airson dearbhadh gu bheil an siostam ag obair gu h-èifeachdach neo airson adhbhar laghail eile. Dh'fhaodadh nach eil beachdan anns a' phost-d seo co-ionann ri beachdan Riaghaltas na h-Alba.

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## Disposal of Category 2 Waste in Shetland

### Background

Shetland produces about 40,000T of head on gutted salmon per annum. This is equivalent to a live weight production of approximately 48,000T per annum. Annual category 2 waste produced during this process is estimated to be in the region of 2,000 to 3,000 tonnes per annum. Production of this waste is very volatile and in some months production is very low (~100T) and in others very large (>1,000T). To date this waste has been mainly disposed of to landfill. It is likely that this will no longer be an option after the 1<sup>st</sup> of January 2016 and an alternative route will need to be found. At present the only other routes are incineration at the waste to energy plant (3T/day, 750T/annum capacity) or transport to the Scottish mainland for disposal. Transport to the Scottish mainland is by road tankers travelling on the Northlink ferry, which is a passenger and freight (mostly food freight) ferry. The transportation of category 2 waste by this route, even in sealed tankers which are washed down prior to travel is clearly less than ideal. It is unknown if there is sufficient capacity on the ferry to accept tanker loads at all times.

### Proposal

The three main salmon producers in Shetland, [REDACTED] intend to set up a waste handling facility on the island which will allow the storage and disposal of ensiled category 2 waste by a specialist waste carrier in dedicated vessels. Each farming area will establish a macerating and ensiling point where fish waste can be rendered. Small storage facilities (~30T) will be available at each of these points. This waste will be transported by road to a central storage point on the island (>500T) from where the waste will be picked up by a specialist waste carrying vessel and taken to Norway directly for disposal. In order to achieve this aim the following milestones must be met:

- Identify a suitable central storage facility (by end Nov 2015)
- Order macerating and ensiling equipment and small storage tanks (by end Nov 2015)
- Gain planning permission for construction of central storage facility (by end Mar 2016)
- Establish local macerating and ensiling equipment (by end Apr 2016)
- Construct central storage facility (by end June 2016)

It is clear that it is not possible to establish the required facilities before the end of December 2015 when landfilling is expected to cease. We would therefore ask for a 6 month extension to landfilling in Shetland only to allow us to put the infrastructure in place to allow the industry a suitable alternative route of disposal for category 2 waste in Shetland.