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Public Register of ALL toxic chemical use on Scottish salmon farms & Immediate Ban on Carcinogenic Formaldehyde (Formalin)

Scottish Salmon Watch asks for inter-governmental co-operation to establish a public register of ALL toxic chemicals used on Scottish salmon farms.

As far as we understand it, only data detailing use of the sea lice chemicals Azamethiphos, Cypermethrin, Deltamethrin, Emamectin Benzoate and Teflubenzuron is [published via the Scotland's Aquaculture web-site](#) (and even here the use of Azamethiphos and Deltamethrin via well boats is [understand to be unreported](#) although we believe this anomaly may soon be rectified).

Data on the use of [Hydrogen Peroxide](#) (which has [sky-rocketed over the last decade](#) - along with the [use of sea lice chemicals](#)), [Antibiotics](#) and other toxic chemicals such as the carcinogenic [Formaldehyde \(Formalin\)](#) is not routinely published except [via Freedom of Information](#).

The [confusion](#) regarding the use of [Formaldehyde \(Formalin\)](#) as [either a biocide or prescribed by a veterinarian via the 'Cascade'](#) illustrates the need for clarity in reporting and the urgent need for a public register.

The use of [Formaldehyde \(Formalin\)](#) by salmon farms in Scotland is an interesting case study which warrants further investigation.

Documents disclosed via Freedom of Information reveal that 184 fish farms are permitted to use and discharge the [highly toxic poison](#) and [carcinogenic chemical Formaldehyde \(Formalin\)](#). According to [data released by the Scottish Environment Protection Agency \(SEPA\) via F0190275](#), Marine Harvest (since 1 January 2019 [re-named as Mowi](#)) was the only company to officially report the use of Formaldehyde to SEPA.

Download the documents via:

- [F0190275 EIR Response - R](#)
- [F0190275 ELMS - R](#)
- [F0190275 sites](#)
- [F0190275-Formaldehyde](#)

A [letter from SEPA dated 11 April 2019](#) includes:

Response

[1] Please refer to the enclosed spreadsheet which details the use of Formaldehyde provided in quarterly returns to SEPA since January 2017.

[2] SEPA's consultations page (<https://www.sepa.org.uk/regulations/consultations/>) identifies that CAR/L/1008962 Loch Garry, CAR/L/1008960 Loch Shiel and CAR/L/1001886 Camus na Mult, Loch Ness are the only advertised applications for freshwater fish farms which fall within the time period of the request. We confirm that SEPA did not receive any objections regarding the use of Formalin in response to the advertisement of these applications. Regulation 10(4)(a) of the EIRs applies;

(4) *A Scottish public authority may refuse to make environmental information available to the extent that:-*

(a) it does not hold that information when an applicant's request is received.

The exception in regulation 10(4)(a) is subject to the public interest test in regulation 10(1)(b) of the EIRs. As SEPA does not hold the information in question there is no conceivable public interest in requiring that the information be made available.

Further to the response provided above, to provide information in relation to complaints and concerns regarding the use of Formalin on salmon farms and hatcheries we have conducted a search of SEPA's Environmental Licence Management System (ELMS) for any complaints which refer to Formalin or Formaldehyde. We have found one event that relates to a freshwater salmon farm. Please refer to the attached document, "F0190275 – ELMS R".

The information released with this response will be placed into the public domain. Therefore we have redacted some personal information and other information which may lead to the identification of individuals. We have done this under the terms of regulations 11(1) and 11(2) of the EIRs. The exceptions in regulation 11 regulate the relationship between the EIRs, the General Data Protection Regulation (GDPR) and the Data Protection Act 2018 (the DPA 2018). In this instance, the exception is absolute and we have not applied the Public Interest Test.

[3] In relation to information on discharges of Formalin, wastewater treatment of Formalin, environmental impacts and any mitigation strategies to deal with the environmental impacts of Formalin use. Please refer to the attached list of fish farm licences that may permit the use of formalin, detailing 184 sites.

In accordance with Regulation 6(1)(b) of the EIRs we advise that this information is publicly available and easily accessible. We advise that copies of licences are available from SEPA's Registry. <https://www.sepa.org.uk/contact/registry/>

Each licence details the treatment data at each site (where there is any). In addition information relating to any mitigation strategies that may be employed at sites that have a licence to use formalin, where held would also be held within the individual licences.

An Excel spreadsheet ([F0190275 ELMS - R](#)) details a complaint in November 2018 filed against the use of Formaldehyde by a fish farm in Loch Awe:

ACTION	ACTIVITY	CATCHMENT	GEOGRAPHICAL_LOCAL_AUTHORITY	LOCATION_DESCRIPTOR
30/11/2018 [email address removed] via SCC: [personal details removed] a freshwater Salmon farm rearing smolts, the loch is approx 1 mile long and a few hundred yards wide, over the last 2 weeks the farmers have taken around 20 blue 40l drums of formaldehyde out to the 5 cages to treat the fish,[personal details removed]I am concerned that this chemical could be contaminating our air and water supply, [personal details removed] there is a strong smell blowing over from the cages a mixture of dead fish and formaldehyde, could this be of any threat to us?03/12/2018 [Name removed] - [email address removed] :I am emailing in response to your enquiry last Friday and apologise we have not responded sooner. We regulate fish farms with respect to discharge to the water environment and if you can give us more detail in terms of the fish farm site, we can investigate your complaint. However in terms of the health concerns you have raised, I recommend you contact environmental health at Argyll and Bute council. Their number is 01546 605519 or the main switch line is 01546 605522.23.12.2018 [Name removed] - no update and probably primarily a matter for environmental health. No further SEPA action required.	Waste - Unlicensed	River Awe	Argyll & Bute	Braevallich Fish Farm, Loch Awe, Dalmally

An Excel spreadsheet ([F0190275 sites](#)) details 184 fish farms with a licence to use Formalin (Formaldehyde) - including:

Site Name	Licence Number
ALLT MOR FISH FARM, CLACHAN	CAR/L/1000307
Allt Mor Hatchery abstraction	CAR/L/1039410
Amhuinnsuidhe Hatchery	CAR/L/1002200
Ardessie	CAR/L/1002039
Ardtaraig Hatchery, Clachaig, Dunoon	CAR/L/1003707
Ardtornish	CAR/L/1003993
Barvas Hatchery, North Uist	CAR/L/1002202
BRAEVALLICH FISH FARM, LOCH AWE, DALMALLY	CAR/L/1000232
Burnhouse Hatchery, Stromness	CAR/L/1001980
Cairndow	CAR/L/1000559
Camus nam Mult FCFF, Loch Ness	CAR/L/1001886
CARNASSERIE MILL FF	CAR/L/1000260
Clachan Hatchery, TE to Loch Carnan, Uist	CAR/L/1002193
Clachbreac hatchery, Ormsary, Lochgilphead	CAR/L/1003314
Cleigh Mill Hatchery	CAR/L/1000251
College Mill Fish Farm	CAR/L/1001101
Corrie Mhor, Russel Burn Salmon Farm, Kishorn	CAR/L/1002995
Couldoran Hatchery, Kishorn	CAR/L/1002178
Dougarie Hatchery,Dougarie,Isle of Arran	CAR/R/1013824
Drimsallie Mill Hatchery	CAR/S/1095018
Duartmore (North side)	CAR/L/1003972
Duartmore (South side)	CAR/L/1002029

Site Name	Licence Number
Hollywood	CAR/L/1003582
Inchmore Hatchery, Glenmoriston	CAR/L/1003069
Inverailort Tank Fish Farm	CAR/L/1001937
Invergarry	CAR/L/1001913
INVERMALLIE FISH FARM, LOCH ARKAIG, LOCHAILORT	CAR/L/1002071
Inverpolly Hatchery	CAR/L/1002075
Kames Fish Farm Hatchery	CAR/L/1000827
KINLOCHMOIDART HATCHERY, KINLOCHMOIDART, LOC	CAR/L/1001840
Knock Hatchery (Southern Outfall)	CAR/L/1000245
LOCH BA FCFF, GRULINE, ISLE OF MULL	CAR/L/1000257
Loch Damh (North) FCFF, Shieldaig, Strathcarron	CAR/L/1003924
LOCHAILORT SMOLT UNIT	CAR/S/1003967
Quoys Hatchery	CAR/L/1004946
Scottish Sea Farms hatchery, BARCALDINE	CAR/L/1003509

Another Excel spreadsheet ([F0190275-Formaldehyde](#)) detailed 50704251 grams (50,704 kg or 50.7 tonnes) of Formaldehyde used by Marine Harvest (since 1 January 2019 [re-named as Mowi](#)) between May 2017 and September 2018 at their salmon farms in Glenfinnan, Invermallie (Loch Arkaig), Loch Lochy and Loch Garry:

Site Name	Operator	Licence	Month	Formaldehyde (active ingredient in grams)
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Aug-17	356250
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Sep-17	1106250
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Oct-17	3226875
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Nov-17	2212500
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Dec-17	56250
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Jul-18	375000
Glenfinnan	Marine Harvest (Scotland) Ltd	CAR/L/1008960	Aug-18	225000
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Nov-17	1200000
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Dec-17	1762500
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Jan-18	2325000
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Feb-18	2456250
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Mar-18	318750
Invermallie, Loch Arkaig	Marine Harvest (Scotland) Ltd	CAR/L/1002071	Sep-18	18750
Loch Garry	Marine Harvest (Scotland) Ltd	CAR/L/1008962	Jul-17	239063
Loch Garry	Marine Harvest (Scotland) Ltd	CAR/L/1008962	Aug-17	547688
Loch Garry	Marine Harvest (Scotland) Ltd	CAR/L/1008962	Sep-18	140625
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	May-17	75000
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Jun-17	918750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Jul-17	2193750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Aug-17	4200000

Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Sep-17	2831250
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Oct-17	1725000
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Nov-17	1218750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Dec-17	2525000
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Jan-18	3093750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Feb-18	3712500
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Mar-18	4443750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Apr-18	562500
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Jun-18	637500
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Jul-18	2231250
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Aug-18	1818750
Loch Lochy	Marine Harvest (Scotland) Ltd	CAR/L/1002140	Sep-18	1950000

Video footage taken by Scottish Salmon Watch in June 2019 [shows vats of Formaldehyde - marked "corrosive" and "danger" stashed outside The Scottish Salmon Company's Russel Burn Hatchery on the shore of Loch Kishorn](#) even though [The Scottish Salmon Company](#) did not report the use of any Formaldehyde in 2017 and 2018 and the Russel Burn Hatchery is not licensed by SEPA to use Formaldehyde.



In 2018, Scottish Salmon Watch published other videos showing [caches of toxic chemicals](#) including [vats of Formaldehyde at Kames Fish Farming near Kimelford](#) with a label warning "suspected of causing genetic defects" and "may cause cancer".



Scottish Salmon Watch's FOI request on Formaldehyde (Formalin) stemmed from an email received in March 2019 from a whistleblower at The Scottish Salmon Company:

Sent: 14 March 2019 13:55

To: Don Staniford

Subject: Re: FHI report on Kinlochmoidart Hatchery - ERM, Formalin, antibiotics & morts

Yes be worth asking SNH in Fort William why Sepa is condoning dilute Formic acid being discharged into a sssi river straight from the container. They empty 25litres of formaldehyde straight into each fish tank without following the correct procedure which should be isolating the tank. There is 10 tanks in the flothrough which runs directly into the river! This is results in the dilute formic acid being flushed into the river killing various species in the river!

A report - "[The State of Scottish Salmon Farming in 2018](#)" - published by Scottish Salmon Watch in March 2019 detailed 80,000 mortalities at The Scottish Salmon Company's Russel Burn Hatchery in November 2018 with the use of Formalin specifically identified:

Summary:

Significant Health Events [Reported via FHI 'Case Information' in 2018](#)

- 80,000 morts at The Scottish Salmon Company's Russel Burn Hatchery in November 2018 due to fungus ("reportedly from vaccination") and "quality cull" (61,000 euthanized "as they were deformed or not feeding")

Here's details from the [Scottish Government's Fish Health Inspectorate report](#):

Case No:	2018-0628	Date of visit:	27/11/2018
Time spent on site:	4 hours	Main Inspector:	ASM
Site No:	FS0500	Site Name:	Russel Burn
Business No:	FB0169	Business Name:	The Scottish Salmon Company

Additional Case Information:

Ova and fry units being built at the moment. Due to be completed in June 2019. New shed being built and the site name changed. Reminded to contact FHI to change details.

Most of the old tanks will be replaced with new bigger ones.

Vaccination reportedly caused fungus on the site shortly before the inspection. The stress of the vaccination process is thought to have reduced immunity. This together with the fact that the smoltification is now brought on with in feed treatment rather than the salt being added to the water. This is meant that the fungal spores are not killed in the water. Salt has been ordered and will added to the water the week of the inspection.

All fish removed for VMD treated with TMS, Pyceze and Aquacen (Formalin) to combat fungus

Pre-transfer check (report not yet produced. Check conducted the day before inspection) made by company biologist and advised to move the fish to seawater. Fish will be moved in December 2018, 2 weeks post inspection.

Quality cull conducted in Nov of 4.4% (in 1 day) but not reported to MSS as it is labelled as a quality cull in the mortality record.

Recent (last 4 wks) disease problems?	Y	Any escapes (since last visit)?	
If yes, detail:	Fungus on site reportedly from vaccination (see additional comments)		

Mortality Records	
1. Mortality records available for inspection?	Y
2. How are mortalities disposed of?	Whole fish - Dundas Chemicals
If other detail:	
3. Mortality records complete and correctly entered?	Y
4. Recent mortality (last 4 wks):	80,100 fish due to quality cull and fungus.
5. Evidence of recent increased/atypical mortalities?	Y
If yes, facility nos/no mortality per facility/no stock per facility/reason:	61,000 euthanized in a 'quality cull' as they were deformed or not feeding, 19/11/18, in cage D7. All killed from the same cage. 4.4% in a week.
1. Recent treatments (last 4 wks)?	Y
If yes, detail:	Formalin, Pyceze

Read more via "[Disease-Ridden Scottish Salmon](#)"

Other reported uses of Formalin via the [Scottish Government's Fish Health Inspectorate 'Case Information'](#) included an "accidental overdose" at Marine Harvest's Glenfinnan salmon farm in Loch Shiel in October 2017 "due to human error" leading to 1,343 dead fish and the use of Formalin at Cooke Aquaculture's "organic" salmon farm at Sallachy in Sutherland in 2017.

Formalin was also reported as used at [The Scottish Salmon Company's Russel Burn Hatchery](#) in July 2017 following fungus problems causing over 40,000 mortalities.

Here's a summary list of recent uses of Formaldehyde (Formalin):

February 2019 - Loch Duart's Duartmore hatchery in Sutherland
February 2019 - Landcatch's Ormsary Smolt Unit in Argyll
February 2019 - Kames Fish Farming salmon farm in Loch Tralaig in Argyll
January 2019 - Cooke Aquaculture's Ardtaraig Hatchery on Loch Striven in Argyll
January 2019 - Mowi's Inchmore Hatchery in Glenmoriston
November 2018 - Cooke Aquaculture's Yetts O'Muckart salmon farm in Clackmannanshire
November 2018 - Hebridean Smolts' Clachan Hatchery in Loch Carnan in South Uist
October 2018 - Landcatch's Ormsary Smolt Unit in Argyll
October 2018 - Scottish Sea Farms' Knock hatchery on the Isle of Mull
October 2018 - Marine Harvest's Laddie Wood salmon farm in Loch Garry in Lochaber
October 2018 - The Scottish Salmon Company's Kinlochmoidart Hatchery in Highland
August 2018 - Marine Harvest's Glenfinnan salmon farm in Loch Shiel in Lochaber
July 2018 - Marine Harvest's Loch Lochy salmon farm in Lochaber
July 2018 - Marine Harvest's Lochailort Recirculation Hatchery in Lochaber
April 2018 - FAI Aquaculture's Aultbea fish farm in Wester Ross
March 2018 - The Scottish Salmon Company's Langass Hatchery in North Uist
February 2018 - Cooke Aquaculture's Furnace Hatchery on Loch Fyne
December 2017 - Landcatch's Ormsary Smolt Unit in Argyll
November 2017 - Scottish Sea Farms' salmon farm in Loch Ba on the Isle of Mull
November 2017 - Marine Harvest's salmon farm in Loch Lochy in Lochaber
October 2017 - Marine Harvest's Loch Ness salmon farm in Highland
October 2017 - Cooke Aquaculture's "organic" salmon farm at Sallachy in Sutherland
October 2017 - Cooke Aquaculture's Cliff salmon farm in Shetland
October 2017 - Scottish Sea Farms' Loch Frisa salmon farm on the Isle of Mull
October 2017 - Scottish Sea Farms' Knock salmon farm on the Isle of Mull
October 2017 - Marine Harvest's Glenfinnan salmon farm in Loch Shiel in Lochaber
October 2017 - Marine Harvest's salmon farm in Loch Arkaig in Highland
July 2017 - The Scottish Salmon Company's Russel Burn Hatchery on Loch Kishorn

Here's more details [via the Scottish Government's Fish Health Inspectorate's 'Case Information'](#):

A [Scottish Government Fish Health Inspectorate report in February 2019](#) detailed the use of Formalin at [Loch Duart's Duartmore Hatchery](#):

Case No:	2019-0097	Date of visit:	20/02/2019
Time spent on site:	2 hours	Main Inspector:	
Site No:	FS0062	Site Name:	Duartmore Hatchery
Business No:	FB0398	Business Name:	Loch Duart Ltd

Additional Case Information:

Site inspected following receipt by APHA of a non site-specific welfare complaint regarding Loch Duart. Accompanied APHA vets on visit.

Ova are stripped at Geisgeil Tank Site and transferred to Ormsary Hatchery for fertilisation and incubation. Ova are brought back to Duartmore Hatchery for hatching. Site grows fish to 5g and then transferred to Duartmore for ongrowing.

Very few treatments administered per cycle - a couple of treatments with formalin for Costia, but looking at using artificial seawater for this in future.

Mortalities are transferred to Badcall office for uplift to Gray Composting.

Two more [Scottish Government Fish Health Inspectorate reports in February 2019](#) detailed the use of Formalin at Landcatch's Ormsary Smolt Unit "up to twice a week to prevent fungal infections":

Case No:	2019-0060	Date of visit:	25/02/2019
Time spent on site:	2.5 hours	Main Inspector:	
Site No:	FS0575	Site Name:	Ormsary Smolt Unit
Business No:	FB0061	Business Name:	Landcatch Natural Selection Ltd

S0s brought onto site in January 2019.

Formalin prescribed and administered under CASCADE.

Case No:	2019-0061	Date of visit:	25/02/2019
Time spent on site:	1.5 hours	Main Inspector:	
Site No:	FS0681	Site Name:	Ormsary Hatchery
Business No:	FB0061	Business Name:	Landcatch Natural Selection Ltd

Stock on site currently hatching.

Some post hatch mortalities observed, low mortality % no clinical signs observed.

Water treated with Formalin up to twice a week to prevent fungal infections.

Another [Scottish Government Fish Health Inspectorate report in February 2019](#) detailed the use of Formalin by [Kames Fish Farming salmon farm in Loch Trailag](#):

Case No:	2019-0062	Date of visit:	26/02/2019
Time spent on site:	2.5 hours	Main Inspector:	
Site No:	FS0468	Site Name:	Loch Tralalg
Business No:	FB0134	Business Name:	Kames Fish Farming Ltd

All waste held at Kames Bay Pier, prior to being transported to Energen for disposal.

Fungus has been present on site during cycle, treated with formalin.

Another [Scottish Government Fish Health Inspectorate report in January 2019](#) detailed the use of Formalin by [Cooke Aquaculture's Ardtaraig Hatchery](#):

Case No:	2019-0018	Date of visit:	22/01/2019
Time spent on site:	6 hrs	Main Inspector:	WJM
Site No:	FS0648	Site Name:	Ardtaraig Hatchery
Business No:	FB0235	Business Name:	Cooke Aquaculture (Freshwater) Ltd

1. Recent treatments (last 4 wks)?		Y
If yes, detail:	Formalin	
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin	

Another [Scottish Government Fish Health Inspectorate report in January 2019](#) cited Formalin at Mowi's [Inchmore Hatchery](#):

Case No:	2019-0037	Date of visit:	04/02/2019
Time spent on site:	5.5 hours	Main Inspector:	
Site No:	FS0226	Site Name:	Inchmore
Business No:	FB0119	Business Name:	Mowi Scotland Ltd

All ova in from Norway - Mowi

import from 19/12/18 - fish split with Finfish. Electronic cert detailed Inverpolly has destination. Consignment was split at Aberdeen airport. Finfish have original copy. Imports team to contact Mowi.

Morts peak; 0.46%/site/week - post vaccine weeks 5 and 6.

Withdrawal for TMS, formalin, pyceze weeks 5 and 6 post vaccine use.

A [Scottish Government Fish Health Inspectorate report in November 2018](#) reported Formalin use at [Cooke Aquaculture's Yetts O'Muckart salmon farm in Clackmannanshire](#):

Case No:	2018-0608	Date of visit:	29/11/2018
Time spent on site:	2.5 hours	Main Inspector:	KAS
Site No:	FS0371	Site Name:	Yetts O' Muckart
Business No:	FB0235	Business Name:	Cooke Aquaculture (Freshwater) Ltd

Additional Case Information:

Stocks on site all appeared healthy. Manager stated this has being the best crop of fish through the site so far - fish all from Holmwrangle and will be from Holmwrangle again next year.
 Fish will be going off as 2019 s1's in March/April to Ness of Copister
 Also stocked in July with s0's from cairndow following problems with water at Cairndow, these fish all went out in October to Stead of Aithness
 Vaccinating over last 2 weeks with PD7. First batch vaccinated just about back to taking full feed.
 Treated weekly with prophylactic formalin plus post vac formalin dosage at the moment.

6. Any other peaks in mortality during period checked?	Y
If yes, detail:	lesions late August, early Sept - controlled with pyceze and formalin treatment. Mortalies 50-100/tank peak at 500/tank but returned to normal within 2 weeks. No antibiotics used.
7. Have increased (unexplained) mortalities been reported to vet or FHI?	Y
If yes, detail action:	FVG - significant flank lesions

1. Recent treatments (last 4 wks)?	Y
If yes, detail:	Formalin
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?	Formalin

A [Scottish Government Fish Health Inspectorate report in November 2018](#) reported Formalin use at [Hebridean Smolts' Clachan Hatchery in Loch Carnan in South Uist](#):

Case No:	2018-0611	Date of visit:	27/11/2018
Time spent on site:	3 hours	Main Inspector:	JET
Site No:	FS0398	Site Name:	Clachan Hatchery
Business No:	FB0444	Business Name:	Hebridean Smolts Ltd

Additional Case Information:

Water very dark in colour, difficult to observe fish below surface.
 Small number of fish with lesions observed in tanks 5 and 6, very active in water and unable to be caught with hand nets.
 Fish sampled for VMD appeared healthy
 Stock on site hatched at Mingarry Hatchery, then on-grown at Loch Na Shibaidh Mhor and Loch A'Clachan. Moved to Clachan Hatchery for grading and vaccination. Due to move fish to sea sites March - April 2019.
 Formalin treatment prescribed by vet via cascade.

Recent (last 4 wks) disease problems?	Y	Any escapes (since last visit)?	N
If yes, detail:	Some fish with lesions on site, low mortality, treated with Formalin and Pyceze, samples to be sent to FVG for further analysis.		

1. Recent treatments (last 4 wks)?	Y
If yes, detail:	Formalin, T.M.S., Pyceze
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	N
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?	Formalin, T.M.S.

A [Scottish Government Fish Health Inspectorate report in October 2018](#) detailed the use of Formalin at Landcatch's Ormsary Smolt Unit:

Case No:	2018-0437	Date of visit:	23/10/2018
Time spent on site:	1 hour	Main Inspector:	JET
Site No:	FS0575	Site Name:	Ormsary Smolt Unit
Business No:	FB0061	Business Name:	Landcatch Natural Selection Ltd

Recent (last 4 wks) disease problems? Y Any escapees? Y

If yes, detail: **Fungus infection (saprolegnia) - mainly affecting 2018 S0 stock**

5. Evidence of recent increased/atypical mortalities? Y

If yes, facility nos/no mortality per facility/no stock per facility/reason:

S0 stock week 41 increased from 6000/week to 11248/week. Following week dropped back down to 6270/week - Saprolegnia - site has been treating with formalin.

A [Scottish Government Fish Health Inspectorate report in October 2018](#) detailed the use of Formalin by Scottish Sea Farms at their Knock hatchery on the Isle of Mull to treat fungus:

Case No:	2018-0481	Date of visit:	03/10/2018
Time spent on site:	5hrs	Main Inspector:	SAE
Site No:	FS0254	Site Name:	Knock
Business No:	FB0125	Business Name:	Scottish Sea Farms Ltd

Recent (last 4 wks) disease problems? Y

If yes, detail: **Fungus**

5. Evidence of recent increased/atypical mortalities? Y

If yes, facility nos/no mortality per facility/no stock per facility/reason:

a few tanks slightly elevated mortalities between 50-200 morts per day due to fungus

6. Any other peaks in mortality during period checked? Y

Elevated mortalities in June and July 2018 due to high water temperature and low levels of water in the river. Candidatus Clavochlamydia Salmicola was identified in the gills as a possible cause of morbidity but unsure how much impact this had. First week over the reporting threshold was reported. Following 2 weeks were above the reporting threshold but not reported. See mortality events tab for details.

1. Recent treatments (last 4 wks)? Y

If yes, detail: **Formalin, Pyceze**

If other, detail: _____

2. Medicines records available for inspection? Y

3. Are records complete and correctly entered? Y

4. Are fish in a withdrawal period? Y

5. If yes, what treatment(s)? **Formalin**

A [Scottish Government Fish Health Inspectorate report in October 2018](#) detailed the use of Formalin by [Marine Harvest's Laddie Wood salmon farm in Loch Garry](#):

Case No:	2018-0491	Date of visit:	08/10/2018
Time spent on site:	4 hrs	Main Inspector:	WJM
Site No:	FS1104	Site Name:	Laddie Wood, Loch Garry
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd

1. Recent treatments (last 4 wks)?		Y
If yes, detail:	Formalin, T.M.S., Pyceze	
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin, T.M.S.	

A [Scottish Government Fish Health Inspectorate report in October 2018](#) detailed the use of Formalin by [The Scottish Salmon Company's Kinlochmoidart Hatchery](#):

Case No:	2018-0493	Date of visit:	09/10/2018
Time spent on site:	3 Hrs	Main Inspector:	WJM
Site No:	FS0146	Site Name:	Kinlochmoidart Hatchery
Business No:	FB0169	Business Name:	The Scottish Salmon Company

Additional Case Information:

Slight increased mortalities during week 39 put down to post vaccination. Levels still remained below reporting criteria and dropped back to normal levels following week.

Formalin flushed through a number of tanks (5,6,11,12) for costia

Treatments and Medicines Records		
1. Recent treatments (last 4 wks)?		Y
If yes, detail:	Formalin	
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin used only in tanks 5, 6, 11 & 12	

A [Scottish Government Fish Health Inspectorate report in August 2018](#) detailed the use of Formalin at [Marine Harvest's Glenfinnan salmon farm in Loch Shiel](#):

Case No:	2018-0353	Date of visit:	20/08/2018
Time spent on site:	3 hours	Main Inspector:	JET
Site No:	FS0742	Site Name:	Glenfinnan
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd

Additional Case Information:

23/07/2018 vaccinations carried out (PD3)
 Post vaccination treatments of formalin and pyceze administered.

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	Y
If yes, detail:	Formalin, T.M.S., Pyceze
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?	Formalin, T.M.S.

A [Scottish Government Fish Health Inspectorate report in July 2018](#) detailed the use of Formalin "as biocide" at [Marine Harvest's Loch Lochy salmon farm](#):

Case No:	2018-0281	Date of visit:	03/07/2018
Time spent on site:	2 hours	Main Inspector:	AJW
Site No:	FS0150	Site Name:	Loch Lochy
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd

Additional Case Information:

Morts currently 0.01% site wk. Looking for further input of 105,000 (41g) wk 6th August and 400,000 from Lochailort this week. Larger stock going off site 23rd July to Muck and Rum. Smaller stock remaining on until October 2018.

Dead fish on site incinerated

12th June; bath treatment formalin and pyceze, post transfer treatment in Q3 fish.

Formalin used as biocide but precautionary 500days applied.

Another [Scottish Government Fish Health Inspectorate report in July 2018](#) detailed the use of Formalin at [Marine Harvest's Lochailort Recirculation Hatchery](#):

Case No:	2018-0282	Date of visit:	03/07/2018
Time spent on site:	6 hours	Main Inspector:	AJW
Site No:	FS1269	Site Name:	Lochailort Recirculation Hatchery
Business No:	FB0119	Business Name:	Marne Harvest (Scotland) Ltd

Additional Case Information:

20g fish being moved out to Lochy this week. 80g fish going to sea from next Monday - Eirisort and Muck.

Treatment for gill and gut fungus in fry unit Q1 parr destined for Lochy in October. Formalin and pyceze.

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	formalin and pyceze this week in fry unit for gill and gut health
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin in Q1 Fry

A [Scottish Government Fish Health Inspectorate report in April 2018](#) detailed the use of Formalin at [FAI Aquaculture's Aultbea fish farm](#):

Case No:	2018-0084	Date of visit:	18/04/2018
Time spent on site:	4 hours	Main Inspector:	JET
Site No:	FS0941	Site Name:	FAI Aultbea
Business No:	FB0439	Business Name:	FAI Aquaculture Ltd

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Branzil, Formalin, Pyceze
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Branzil, Formalin

A [Scottish Government Fish Health Inspectorate report in March 2018](#) detailed the use of Formalin at The Scottish Salmon Company's Langass Hatchery:

Case No:	2018-0108	Date of visit:	27/03/2018
Time spent on site:	2 hours	Main Inspector:	ALW
Site No:	FS0643	Site Name:	Langass Hatchery
Business No:	FB0169	Business Name:	The Scottish Salmon Company

Additional Case Information:

Site used to produce company's Hebridean strain of fish. Broodstock transferred onto site in late spring. Produce eyed ova for production sites and future broodstock

Select 1,000 viable ova from each family for incubation in specially modified comphatch system (trays divided into smaller compartments). Each family is raised in a separate 1m tank. Numbers reduced to 500 at 10g, 250 at 30g and to final 100 per family prior to transfer to Loch Geireann. At this point the fish are weighed, length noted and individually tagged. The families are then mixed in cages at Loch Geireann.

The site is currently being upgraded with a new incubation and holding shed which will be stocked in the next 5-6 weeks. This new facility will have a dedicated incubation area (comphatch systems, buckets and zuger jars) and 200 1m tanks for on-growing. The tanks are fed by robot with a track above the tanks for the hoppers to move along. The current facility (88 1m tanks) will be dismantled. In addition the square tanks in the other building have been removed and replaced with six 5m tanks and two 4m tanks mainly for holding the broodstock.

Currently have one of the large tanks stocked with 147,000 first feeding fry as reserve fish if needed at another site. Also stripped some sea trout broodfish, but no site was available to grow the ova so the ova were culled.

Broodstock for 2018 and 2019 seasons currently at Treanay, but 2020 broodstock currently at Loch Geireann will transfer to Ormsary Broodstock Unit next month. In the future the site will receive green ova and milt from Hebridean broodstock held at Ormsary. Genetic testing will be undertaken to help improve the line.

Recently had gut fungus in a couple of tanks, but treated with formalin. Fish on site appeared healthy.

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?		Y
If yes, detail:	Formalin	

A [Scottish Government Fish Health Inspectorate report in February 2018](#) detailed the use of Formalin at Cooke Aquaculture's Furnace Hatchery on Loch Fyne:

Case No:	2018-0049	Date of visit:	27/02/2018
Time spent on site:	2.5 hours	Main Inspector:	JET
Site No:	FS0339	Site Name:	Furnace (FW)
Business No:	FB0235	Business Name:	Cooke Aquaculture (Freshwater) Ltd

Treatments and Medicines Records

1. Recent treatments (last 4 wks)?		Y
If yes, detail:	Formalin, T.M.S.	
If other, detail:		
2. Medicines records available for inspection?		Y
3. Are records complete and correctly entered?		Y
4. Are fish in a withdrawal period?		Y
5. If yes, what treatment(s)?	Formalin, T.M.S.	

A [Scottish Government Fish Health Inspectorate report in December 2017](#) detailed the use of Formalin at Landcatch's Ormsary Smolt Unit in Argyll:

Case No:	2017-0620	Date of visit:	13/12/2017
Time spent on site:	1 hour	Main Inspector:	AJW
Site No:	FS0575	Site Name:	Ormsary Smolt Unit
Business No:	FB0061	Business Name:	Landcatch Natural Selection Ltd

Additional Case Information:

Fish going from E19. Not vaccinated. Finished vaccinating other fish last week. Some fin rot and fungus in vaccinated fish treated with formalin. E19 no fungus issues and not treated

Site morts 1/12/17- 13/12/17; 1054, 0.08% attributed to fungus, HSS and post vaccination.

A [Scottish Government Fish Health Inspectorate report in November 2017](#) detailed the use of Formalin at [Marine Harvest's salmon farm in Loch Lochy in Lochaber](#):

Case No:	2017-0560	Date of visit:	29/11/2017
Time spent on site:	5 hours	Main Inspector:	JET
Site No:	FS0150	Site Name:	Loch Lochy
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd

2017 Q4 production, fish stocked May 2017 - October 2017. Fish affected by fungus throughout cycle, weekly mortality between 1000-3000 (0.1% - 0.2%).

A number of fish in cages 25 and 26 (Finfish stock) had visible lesions, however the fish were very active and deep in the water column and so were unable to be caught for further examination.

Recent (last 4 wks) disease problems?	<input checked="" type="checkbox"/>	Any escapes (since last visit)?	<input type="checkbox"/>
If yes, detail:	RTFS detected in Finfish Hatchery stock (November 2018). Treated with formalin and pyceze.		

[RTFS = Rainbow Trout Fry Syndrome which is "[increasingly causing problems in Atlantic salmon](#)"]

6. Any other peaks in mortality during period checked?	<input checked="" type="checkbox"/>
w/b 16/10/2017 4227 (0.9%) attributed to fungus, pox virus and smolting. Stock all sent out to sea by 30/10/2017. Pre-transfer health check carried out, showed stock positive for salmon pox, branchiomonas and Flavobacterium psychrophilum, mortality levels relatively low and fish in acceptable health for transfer.	

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input checked="" type="checkbox"/>
If yes, detail:	Formalin, T.M.S., Pyceze
If other, detail:	
2. Medicines records available for inspection?	<input checked="" type="checkbox"/>
3. Are records complete and correctly entered?	<input checked="" type="checkbox"/>
4. Are fish in a withdrawal period?	<input checked="" type="checkbox"/>
5. If yes, what treatment(s)?	Formalin, T.M.S.

A [Scottish Government Fish Health Inspectorate report in November 2017](#) detailed the use of Formalin at [Scottish Sea Farms' salmon farm in Loch Ba on the Isle of Mull](#):

Case No:	2017-0549	Date of visit:	07/11/2017
Time spent on site:	2 hours	Main Inspector:	JET
Site No:	FS0429	Site Name:	Loch Ba
Business No:	FB0125	Business Name:	Scottish Sea Farms Ltd

Additional Case Information:

Site has been reduced to 4 cages (16m2)
 Dead fish waste ensiled at Knock hatchery facility and collected for disposal
 Prophylactic formalin and pyceze treatments carried out 2 days after each stocking during October 2017

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Formalin, Pyceze
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin

A [Scottish Government Fish Health Inspectorate report in October 2017](#) detailed the use of Formalin at [Marine Harvest's Loch Ness salmon farm](#):

Case No:	2017-0436	Date of visit:	09/10/2017
Time spent on site:	3.5 hrs	Main Inspector:	ASM
Site No:	FS0434	Site Name:	Loch Ness
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Formalin, Pyceze
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin, Pyceze

A [Scottish Government Fish Health Inspectorate report in October 2017](#) detailed the use of Formalin at [Cooke Aquaculture's Sallachy salmon farm](#) (certified by the Soil Association as "organic"):

Case No:	2017-0443	Date of visit:	24/10/2017
Time spent on site:	2 hours	Main Inspector:	JET
Site No:	FS0887	Site Name:	Sallachy Site
Business No:	FB0235	Business Name:	Cooke Aquaculture (Freshwater) Ltd

Additional Case Information:

Organic site
 Fish became affected by fungal infection (sapronelegia) post grading w/b 25/09/2017. Unable to treat with Pyceze due to Soil Association objection (Organic site status).
 Treated with formalin: Cages 1-3 20/10/17, cages 4-6 21/10/17, cages 7-8 22/10/17, cages 9-10 23/10/17. Approved by Soil Association. Further formalin treatment planned for 25/10/17.

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Formalin
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin

A [Scottish Government Fish Health Inspectorate report in October 2017](#) detailed the use of Formalin at [Cooke Aquaculture's Cliff salmon farm in Shetland](#):

Case No:	2017-0460	Date of visit:	03/10/2017
Time spent on site:	2 hrs	Main Inspector:	WJM
Site No:	FS1095	Site Name:	Cliff Site
Business No:	FB0095	Business Name:	Cooke Aquaculture Scotland Ltd

Recent (last 4 wks) disease problems?	<input type="checkbox"/> Y	Any escapes (si
If yes, detail:	Saprolegnia like skin lesions, most likely secondary to fungal infection	

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Formalin
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin

A [Scottish Government Fish Health Inspectorate report in October 2017](#) detailed the use of Formalin at [Scottish Sea Farms' Loch Frisa salmon farm on the Isle of Mull](#):

Case No:	2017-0456	Date of visit:	10/10/2017
Time spent on site:	2h	Main Inspector:	DJT
Site No:	fs0428	Site Name:	Loch Frisa
Business No:	FB0125	Business Name:	Scottish Sea Farms Ltd

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Formalin, Pyceze
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin

A [Scottish Government Fish Health Inspectorate report in October 2017](#) detailed the use of Formalin at Scottish Sea Farms' [PRV-infected](#) Knock salmon farm on the Isle of Mull:

Case No:	2017-0455	Date of visit:	10/10/2017
Time spent on site:	5h	Main Inspector:	DJT
Site No:	fs0254	Site Name:	Knock
Business No:	FB0125	Business Name:	Scottish Sea Farms Ltd

16 May 2017 testing for PRV on two tanks following positive results on sea site post transfer, PCR tests on site were positive for PRV but there was no clinical expression however fungus was evident these fish were culled out on site.

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Formalin, Pyceze
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin

A [Scottish Government Fish Health Inspectorate report in October 2017](#) detailed the use of Formalin at Marine Harvest's Glenfinnan salmon farm in Loch Shiel:

Case No:	2017-0494	Date of visit:	23/10/2017
Time spent on site:	3.5 hours	Main Inspector:	ALW
Site No:	FS0742	Site Name:	Glenfinnan
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd

Additional Case Information:

Current stock due to go out to sea sites next month. Fish will be transferred to East Loch Tarbert, Gorsten, Marulaig, Skipport, Stulaigh and Torridon. Fish are transferred via lorry to Mallaig onto Wellboat.
 Site stocked with Q4 generation, but will produce Q3 and Q4 next year. Q3s will only be on site for approx 6 weeks.
 Fish were vaccinated on site with PD3 vaccine. Fish are treated with formalin and pyceze to control fungus. Accidental overdose in one cage during treatment with formalin for fungus due to human error (dosing pump not working correctly).
 Increase in mortality in cage 11 over a couple of weeks, but has reduced to expected levels now.

5. Evidence of recent increased/atypical mortalities?
If yes, facility nos/no mortality per facility/no stock per facility/reason:
P11 / 1,343 / 75,000 / overdose during formalin/pyceze treatment.

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	<input type="checkbox"/> Y
If yes, detail:	Formalin, Pyceze
If other, detail:	
2. Medicines records available for inspection?	<input type="checkbox"/> Y
3. Are records complete and correctly entered?	<input type="checkbox"/> Y
4. Are fish in a withdrawal period?	<input type="checkbox"/> Y
5. If yes, what treatment(s)?	Formalin

A [Scottish Government Fish Health Inspectorate report in October 2017](#) detailed the use of Formalin at [Marine Harvest's salmon farm in Loch Arkaig](#):

Case No:	2017-0495	Date of visit:	24/10/2017
Time spent on site:	4.5 hours	Main Inspector:	ALW
Site No:	FS0649	Site Name:	Loch Arkaig
Business No:	FB0119	Business Name:	Marine Harvest (Scotland) Ltd

Additional Case Information:

Fish from Inverpolly and Lochailort Recirc Unit. Fish probably going out to sea sites in Loch Linnhe, but not certain. No longer holding fish for River Lochy Association. Currently grading and vaccinating with Winvil 3 vaccine. Started post vaccination treatments with formalin and pyceze to prevent fungus. Have four mobile pens to move fish around site.

Treatments and Medicines Records	
1. Recent treatments (last 4 wks)?	Y
If yes, detail:	Formalin, Pyceze
If other, detail:	
2. Medicines records available for inspection?	Y
3. Are records complete and correctly entered?	Y
4. Are fish in a withdrawal period?	Y
5. If yes, what treatment(s)?	
If other, detail:	Formalin

A [Scottish Government Fish Health Inspectorate report in July 2017](#) detailed the use of Formalin at [The Scottish Salmon Company's Russel Burn Hatchery on Loch Kishorn](#):

Case No:	2017-0315	Date of visit:	28/07/2017
Time spent on site:	0	Main Inspector:	PMM
Site No:	FS0500	Site Name:	Russel Burn
Business No:	FB0169	Business Name:	The Scottish Salmon Company

Additional Case Information:

Mortalities post vaccination, formalin treatment conducted and numbers dropped to normal levels.

Case No:	2017-0315	Site No:	FS0500	Date of visit:	28/07/2017				
Start date:	End date: (if applicable)	Size of fish:	Average weight of affected population:	Species:	Yearclass:	Timescale	Mortality rate recorded(%)	Explained/unexplained:	If explained, select reason(s):
17/07/2017	27/07/2017	5g to smolting	40g	SAL	2017 presmolt	Weekly	4.42	Explained	Fungus
Total mortality during event (if available):	Additional information (e.g. action taken by company):		Action taken by FHI (include case no where applicable):						
40,873	Mortality event attributed to fungus post vaccination. Affected stock were treated with formalin and numbers have dropped.		No further action required. Mortalities dropping to normal levels post treatment.						

Fish Health Inspectorate 'Case Information' for 2013-2019 (including details of fish farms using Formalin) is available [online here](#)

Why is this use of Formaldehyde (Formalin) not captured by SEPA's FOI reply to Scottish Salmon Watch?

Surely the Scottish Government together with the VMD and SEPA should report the use of Formaldehyde (Formalin) via a public register?

Finally, [in view of serious health concerns surrounding its carcinogenicity as well as welfare and environmental concerns](#), Scottish Salmon Watch calls for an immediate ban on the use of Formaldehyde (Formalin) on Scottish salmon farms.

Yours sincerely,

Don Staniford

[Director, Scottish Salmon Watch](#)