

Form 3 - Public Disclosure Form

This form shall be submitted by the CAB no less than thirty (30) working days prior to any onsite audit. Any changes to this information shall be submitted to the ASC within five (5) days of the change and not later than 10 days before the planned audit. If later, a new announcement is submitted and another 30 days rule will apply.

The information on this form shall be public and should be posted on the ASC website within three (3) days of submission (except unannounced audits).

This form shall be written to be readable to the stakeholders and other interested parties.

This form should be translated into local languages when appropriate

PDF 1 Public Disclosure Form

PDF 1.1 Name of CAB	Bureau Veritas Certification Denmark
	AS

PDF 1.2 Date of Submission	20-03-2019, 25-04-2019/06-05-2019

PDF 1.3 CAB Contact Person

t r erson	
PDF 1.3.1 Name of Contact Person	Irene Watten
PDF 1.3.2 Position in the CAB's organisation	Lead Auditor
PDF 1.3.3 Mailing address	Oldenborggade 25-31, 7000 Fredericia, Denmark
PDF 1.3.4 Email address	asc.farm@dk.bureauveritas.com
PDF 1.3.5 Phone number	4577311000
PDF 1.3.6 Other	http://www.bureauveritas.dk/



PDF 1.4 ASC Name of Client

PDF 1.4.1 Name of the Client	Cermaq Norway AS
PDF 1.4.1.a Name of the unit of certification	Hamnefjord
PDF 1.4.2 Name of Contact Person	Silje Ramsvatn
PDF 1.4.3 Position in the client's organisation	Sustainable manager
PDF 1.4.4 Mailing address	Cermaq Norway AS, Gjærbakknes,8286
-	Nordfold, Norway
PDF 1.4.5 Email address	silje.ramsvatn@cermaq.com
PFD 1.4.6 Phone number	Phone: +4723685500 Mobile:
	+4741148216
PDF 1.4.7 Other	website: www.cermaq.com

PDF 1.5 Unit of Certification

PDF 1.5.1 Single Site	х
PDF 1.5.2 Multi-site	
PDF 1.5.2.a Ownership status	Owned
PDF 1.5.3 Group certification	



PDF 1.6 Sites to be audited

Site Name	GPS Coordinates	List all species per site and indicate if they are in the scope of the standard	Ownership status (owned/ subcontracted)	Date of planned audit and type of audit (Initial, SA1, SA2, recertification, etc.)	Status (new, in production/ fallowing /in harvest)
hamnefjord	N70 34.5204 E 23 2.0663	Salmo Salar, yes	Owned	21-05-2019	In production

PDF 1.7 Species and Standards

Standard	Species (scientific name) produced	Included in scope (Yes/No)	ASC endorsed standard to be used	Version Number
Abalone				
Bivalve				
Freshwater Trout				
Pangasius				
Salmon	Salmo Salar	Yes	ASC Salmon Standard	verson 1.2.
Shrimp				
Talapia				
Seriola/Cobia				
Other				



PDF 1.8 Planned Stakeholder Consultation(s) and How Stakeholders can Become Involved

Name/organisation	Relevance for this audit	How to involve this stakeholder (in- person/phone interview/input submission)	When stakeholder may be contacted	How this stakeholder will be contacted
Mattilsynet	Authorities	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Finnmark Fylkeskommune	Local Authorities	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Kystverket	Authorities	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Fiskeridirektoratet	Authorities	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Fylkesmannen i Finnmark	Local Authorities	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Hammerfest Fiskarlag	Fishermen Organisation	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit



Hammerfest Kommune	Local Authorities	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Sørøy/ Loppa Fiskarlag	Local Fishermen Organisation	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Hamarøt JFF	Local Fishermen Association	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit
Sørøy Havfiskeklubb	Local Sports Assosiation	Invitation to participate in the audit and submit input	1 week before audit	Sending email before audit

PDF 1.9 Proposed Timeline

Contract Signed:	29-11-2019
Start of audit:	21-05-2019
Onsite Audit(s):	21-05-2019
Determination/Decision:	To be assessed at the latest 30 working days after audit, except in the case where a major non-conformity is raised. Then a certification decision will be postponed to after the deadline for closing a major non-conformity, which can be max 3 months.
	Start of audit: Onsite Audit(s):



PDF 1.10 Audit Team

PDF 1.10.1 PDF 1.10.2

Column1	Name	ASC Registration (
Lead Auditor	Irene Watten	
Team member	Lars E. Flatøy	
Social Auditor	Irene Watten	

PDF 1.10.3



ASC Audit Report - Opening

General Requirements

- C1 Audit reports shall be written in English and in the most common language spoken in the areas where the operation is located.
- **C2** Audit reports may contain confidential annexes for commercially sensitive information.
 - **C2.1** The CAB shall agree the content of any commercially sensitive information with the applicant, which can still be accessible by the ASC and the appointed accreditation body upon request as stipulated in the certification contract.
 - **C2.2** The public report shall contain a clear overview of the items which are in the confidential annexes.
 - **C2.3** Except for the annexes that contain commercially sensitive information all audit reports will be public.
- C3 The CAB is solely responsible for the content of all reports, including the content of any confidential annexes.

C4 Reporting Deadlines for certification and re-certification audit reports (in working day)

- **C4.1** Within thirty (30) days of the completing of the audit the CAB shall submit a draft report in English and the national or most common language spoken in the area where the operation is located.
- C4.2 Within five (5) days the ASC should post the draft report to the ASC website.
- **C4.3** The CAB shall allow stakeholders and interested parties to comment on the report for fifteen (15) days.
- **C4.4** Within twenty (20) days of the close of comments, the CAB shall submit the final report to the ASC in English and the national or most common language spoken in the area where the operation is located.
- **C4.5** Within five (5) days the ASC should post the final report to the ASC website.
- **C4.6** Audit reports shall contain accurate and reproducable results.

C5 Reporting Deadlines* for <u>surveillance</u> audit reports

- **C5.1** Within ninety (90) days of the completing of the audit the CAB shall submit a final report in English and the national or most common language spoken in the area where the operation is located.
- C5.2 Within five (5) days the ASC should post the final report to the ASC website.
- **C5.3** Audit reports shall contain accurate and reproducable results.



1 Title Page

1.1 Name of Applicant

1.2 Report Title [e.g. Public Draft Certification Report/ Final certification report/Surveillance report]

1.3 CAB name

1.4 Name of Lead Auditor

1.5 Names and positions of report authors and reviewers

1.6 Client's Contact person: Name and Silje Ramsvatn, Sustainability Manager. Title

1.7 Date

Cermaq Norway AS, Site Hamnefjord

ASC Cermag Norway, Site Hamnefjord Initial Draft audit report 2019

Bureau Veritas Certification Denmark.

Lead Auditor Irene Watten

Report author: Irene Watten ASC Lead Auditor. Reviewer: Annette Kaalund, Quality Assistant

Audit dates 21./22.05.2019

2 Table of Contents

3 Glossary

Terms and abbreviations that are specific to this audit report and that are not otherwise defined in the ASC glossary

MOM-B: MOM-B (matfiskanlegg - overvåking - modellering) and MOM-C are surveys of benthic environment at or near farm, according to NS 9410 (Norwegian Standard 9410). ABM: Area-Based Management



4 Summary

A concise summary of the report and findings. The summary shall be written to be readable to the stakeholders and other interested parties.

4.1 A brief description of the scope of the audit (including activities of the UoC being audited)

This audit covers all the principles and criteria in ASC salmon standard, version 1.2 March 2019. The audit was performed during the period from Tuesday 21.05.2019- wednesday 22.05.2019. At the onsite audit I had interviewes with the farm workers. It was review of documentation, processes and handling of equipment. Audit covering principle 6 was performed by review of relevant documentation, interviews with the quality management and confidential interviews with the employees. It was performed by the SA 8000 social auditor. The interview was performed without interruption. This audit covers all the principles and criteria in ASC salmon standard, version 1.2 March 2019. The audit also included review of documentation, processes and handling of equipment. Review of relevant documentation was performed at the office in Hammerfest 22-05.2019.

4.2 A brief description of the operations of the unit of certification

Hamnefjord Seafarm, licence number 13996, MTB 3600 tons is an ongrowing farm for Atlantic Salmon from smolt until the salmon is ready for slaughtering. The smolt suppliers are Cermaq Norway, site Dyping AS, Ranfjorden Fiskeprodukter AS. The farm is located in Hasvik Kommune in Finnmark County. Number of cages with fish is now 6. Size of cages is 120 m, area 13273 m2. Feeding is managed from a central feed barge. The site has no landbase and the emploees are living on the barge in the working periode. This has facilities for overnighting, living room, a storage with equipment for the sites and wardrobes for changing of clothes.

4.3 Type of unit of certification (select only one type of unit of certification in the list)

Single farm

4.4 Type of audit (select all the types of audit that apply in the list)

Initial audit

4.4.1 Number of sites included in the unit of certification
Initial audit - 05/2019
Surveillance audit 1 - mm/ yyyy
Surveillance audit 2 - mm/ yyyy
Recertification audit - mm/ yyyy

Subcontracted by client
N/A



4.5 A summary of the major findings

The site Hamnefjord were in compliance with the ASC Salmon Standard version 1.2 March 2019 at the initial audit except from the following non-conformities: 6 NCs was raised on 2.1.1, 2.1.2, 2.1.3, 2.1.4, 6.5.2 and 6.5.3.

4.6 The Audit determination

Bureau Veritas has performed the certification decision based on the audit report and the review. No information was submitted by stakeholders during the public consultation period. The unit of certification has the capability to consistently meet the objectives of the relevant ASC salmon standard version 1.2 March 2019.

5 CAB Contact Information

5.1 CAB Name Bureau Veritas Certification, Denmark A/S.

5.2 CAB Mailing Address Bureau Veritas Certification Denmark A/S, Oldenborggade 25-31, 7000 Fredericia, Denmark.

5.3 Email Address <u>irene.watten@no.bureauveritas.com</u>

5.4 Other Contact Information

ASC FarmDNKMail@dk.bureauveritas.com

6 Background on the Applicant

6.1 Information on the Public Disclosure Form (Form 3) except 1.2-1.3. All information updated as necessary to reflect the audit as conducted.

6.2 A description of the unit of certification (for intial audit) / changes, if any (for surveillance and recertification audits)

All information on Form 3- Public Disclosure Form is updated.

The unit of certification is the entire Hamnefjord seafarm. See 4.2.



6.3	Other certifications currently held by the unit of certification	GlobalGAP
6.4	Other certification(s) obtained by the UoC before this audit	GlobalGAP
6.5	Estimated annual production volumes of the unit of certification of the <u>current</u> year	3600
6.6	<u>Actual</u> annual production volumes of the unit of certification of the <u>previous</u> year (mandatory for surveillance and recertification	N/A
6.7	Production system(s) employed within the unit of certification (select one or more in the list)	Sea cage
6.8	Number of employees working at the unit of certification (see notes in comment to this cell)	1 site manager, 3 employees.
6.9	Size, and/or number of ponds, pens (if multi site, per site)	6 Cages, each 120 meter circumference.
7 Scope		
7.1	The Standard(s) against which the audit was conducted, including version number	ASC Salmon Standard - version 1.2 March 2019.
7.2	The species produced at the applicant farm (in English and Latin names)	Atlantic Salmon - Salmo salar.



A description of the scope of the audit 7.3 of certification covers all production or harvest areas (i.e. ponds) managed by the operation or located at the included sites, or whether only a sub-set of these are included in the unit of certification. If only a sub-set of production or harvest areas are included in the unit of certification these shall be clearly named.

The audit covered all principle and criteria in ASC Salmon standard version 1.2 March 2019 . The unit of including a description of whether the unit certification coveres the entire farm. The audit included a review of documentation, processes and handling of equipment. Audit covering principles 6 & 7 was done by review of relevant documentation, interviews with the quality management and confidential interviews with employees. The audit was planned and announced more than 30 working days before the audit in line with the ASC requirements. The interviewes onsite was performed without interruption. The auditor was given access to all places, documentation and employees. Hamnefjord has implemented full traceability through production software system. One cage is harvested at the time. The transport of fish from the cages to the slaughterhouse will be audited as part of the slaughterhouse CoC certification. The farm does not consider information which is relevant to the ASC certification as confidential e.g. FFDRm, FFDRo, FCR, Mortality rates etc. The farm and Bureau Veritas has therefore decided to include all information which is relevant to the ASC certification in the report. Commercially sensitive information related to the aguaculture operation was not reviewed as part of the audit. Commercially sensitive information related to employee salaries, workload and contracts details etc. were reviewed by the social auditor.

- The names and addresses of any storage, 7.4 processing, or distribution sites included in the operation (including subcontracted operations) that will potentially be handling certified products, up until the point where product enters further chain
- 7.5 Description of the receiving water body(ies).

NA. Wellboat and external slaughterhouse is not included in the operation. Cermaq Norway is using internal slaughterhouse, Rypefjord ASC-C-00687.

The site is situated in Sørøya in Finnmark County. The water quality is high. The nearest other sea farms also belongs to Cermag and are placed in the same area. There are wild salmonids within 75 km of the farms. The rivers with wild salmonids include Snefjordelva. Hamnelva, Russelvvassdraget, Kvalsundvassdraget and Repparfjordelva. This fjord is one of several fjords in Finnmark, with the Barents Sea outside.

8 Audit Plan



8.1 The names of the auditors and the dates when each of the following were undertaken or completed: conducting the audit, writing of the report, reviewing the report, and taking the certification decision.

Name of ASC auditor: Irene Watten. Onsite audit: 21-02.05.2019. Report author: Irene Watten. Writing of the report: 25-06-2019. Review performed: 16-07-2019. Reviewer: Annette Kaalund.

8.2 Previous Audits (if applicable):

8.2.1	Initial audit - mm/yyyy

Surveillance audit 1 - mm/ yyyy Surveillance audit 2 - mm/ yyyy

Recertification audit - mm/ yyyy

Unannounced audit - mm/ yyyy

NC close-out audit - mm/ yyyyy

Scope extention audit mm/ yyyy

NC reference	Standard e clause reference	Closing deadline - status - closing date of each NC
1, 2, 3, 4, 5, 6,		2.1.1 open, 2.1.2 open , 2.1.3 open ,2.1.4 open , 6.5.2 open, 6.5.3 open

8.3 Audit plan as implemented including:

8.3.1	Desk	Reviews
0.5.1	DCJK	ILC VIC VV3

8.3.2 Onsite audits

Dates	Locations
01-04-2019	Bureau Veritas Certification Denmark Office
21-05-2019	Hamnefjord office + onsite



8.3.3	Stakeholder interviews and Community meetings		Documented records seen at the audit. No stakeholders came to the audit.
8.3.4	Draft report sent to client	16-07-2019	Bureau Veritas Certification Denmark Office
8.3.5	Draft report sent to ASC	13-09-2019	Bureau Veritas Certification Denmark Office
8.3.6	Final report sent to Client and ASC		

8.4 Names and affiliations of individuals consulted or otherwise involved in the audit including: representatives of the client, employees, contractors, stakeholders and any observers that participated in the audit.

1 Sustainability Manager, 1 Quality Coordinators, 1 Site Manager, 3 Farm Workers.

8.5 Stakeholder submissions, including written or other documented information and CAB written responses to each submission at different stages of the certification process (audit notification, during on-sitt audit, public comment period)

Name of stakeholder (if permission given to make name nublic)	Relevance to be contacted	Date of contact	CAB responded Yes/No	Brief summary of points Raised	Use of comment by CAB	Response sent to stakeholder

8.6 E5.1.i List of sites exempted from the scope of an initial audit and how they meet conditions in E5.1.i



8.6. 1	E5.1.ii Justification for auditing site(s) meeting conditions under E5.1.i	
8.7	E5.1.1.i List of sites removed after the initial audit	
8.7. 1	E5.2.2 Reason for the removal of sites from the certificate.	
8.8	E5.4 Map of sites included in the unit of certification has been attached	
8.9	E5.5 Site(s) in fallowing period included in the audit (only for surveillance and re-certification audits)	

AUDIT MANUAL - ASC Salmon Standard v1.1

Scope: species belonging to the genus Salmo and Oncorhynchus

INSTRUCTION TO FARMS/AUDITORS:

This audit manual was developed to accompany version 1.1 of the ASC Salmon Standard.

References in this Audit Manual to Appendices can be found in the ASC Salmon Standard document.

	PRINCIPLE 1: COMPLY WITH ALL APPLICABLE NATIONAL LAWS AND LOCAL REGULATIONS						
		Criterion 1.1 Compliance with al	l applicable local and national legal requirements and regulations				
		Compliance Criteria (Required Client Actions):	Audit evidence 1. Write down all audit evidence. Audit evidence (including evidence of conformity and nonconformity) should be recorded so that the audit can be repeated by a different audit team. 2. Replace explanitory text. 3. If you see any Compliance Criteria which is not listed below, please describe also in the cells below. A. Review compliance with applicable land and water use laws.	Evaluation (Per indicator, select one category in the drop-down menu)	Provide an explanation of the reason(s) for the classification of any NCs or non-applicability	Value/ Metric Provide values - if applicable for the respective Indicator	
	Indicator: Presence of documents demonstrating	a. Maintain digital or hard copies of applicable land and water use laws.	a)Approved license from Finnmark Fylkeskommune. Licence includes permits from Norwegian Food Safety Authority, environmental, coastal activities, and discharge permit dated 21.1.2016. Applicable land and water use laws are available at https://lovdata.no/dokument/NL/lov/2005-06-17-79?q=akvakultur. (The governmental law on aquaculture).				
1.1.1	compliance with local and national regulations and requirements on land and water use	b. Maintain original (or legalised copies of) lease agreements, land titles, or concession permit on file as applicable.	 b) Approved licence from Finnmark Fylkeskommune for production at site Hamnefjord, licence 13996, max 3600 MTB, dated 09.02.2016. Covers all aspects regarding land and water use included discharge, see 1.1.1.a 	Compliant			
	Requirement: Yes Applicability: All	c. Keep records of inspections for compliance with national and local laws and regulations (if such inspections are legally required in the country of operation).	c) Norwegian Food Safety Authority (NFSA) and Directorate of Fisheries perform inspections at the site. Visit 2017, last report dated 11.09.2018. One non conformitiy on the site was detected in the audit. Closed 29.10.2018.				
		d. Obtain permits and maps showing that the farm does not conflict with national preservation areas.	d) Directorate of Fisheries Approval of location and map. Map Nasjonale laksefjorder. License for production, dated 30.5.2013, documents that there is no conflict. The area is described as "Flerbruksområde" in the community plan for Hammerfest kommune.				
	Indicator: Presence of documents demonstrating compliance with all tax laws	a. Maintain records of tax payments to appropriate authorities (e.g. land use tax, water use tax, revenue tax). Note that CABs will not disclose confidential tax information unless client is required to or chooses to make it public.	A. Authorised auditor report/statement for organisation number 961922976, for Period .4.2017-31.3.2018 signed by Deloitte was seen at the audit. Deloitte had no critical omments. B. Lovdata access to updated versions in quality system Intelex. C Cermaq Norway				
1.1.2	Requirement: Yes	b. Maintain copies of tax laws for jurisdiction(s) where company operates.	AS is registered as an aquaculture activity, see Brønnøysundregisteret, organisation number 961922976 and information regarding Cermaq Ånderbak at				
	Applicability: All	c. Register with national or local authorities as an "aquaculture activity".	https://www.barentswatch.no/fiskehelse/locality/13996				
	Indicator: Presence of documents demonstrating compliance with all relevant national and local labor laws and regulations	a. Maintain copies of national labor codes and laws applicable to farm (scope is restricted to the farm sites within the unit certification.)	A.Copies of national labor codes and laws are available in quality system Intelex. The Norwegian Labour Inspection Authority (Arbeidstilsynet) https://www.arbeidstilsynet.no has				
1.1.3	Requirement: Yes	b. Keep records of farm inspections for compliance with national labor laws and codes (only if such inspections are legally required in the country of operation).	not inspected the site. The Norwegian Labour Inspection Authority (Arbeidstilsynet) has inspected other Cermaq sites e.g Veggfjell. No critical comments were raised as part of the inspections	Compliant			
	Applicability: All						
	Indicator: Presence of documents demonstrating compliance with regulations and permits concerning	a. Obtain permits for water quality impacts where applicable.	A. Included in the license from Norwegian authorities, see 1.1.1 B. Included in the license				
1.1.4	water quality impacts Requirement: Yes	b. Compile list of and comply with all discharge laws or regulations.	A. Included in the license from Norwegian authorities, see 1.1.1 B. Included in the license from Norwegian authorities, see 1.1.1 B. C. The MTB and environmental data is reported to the authorities (https://www.altinn.no) every month. info is available on	Compliant			
	Applicability: All	c. Maintain records of monitoring and compliance with discharge laws and regulations as required.	https://www.barentswatch.no/fiskehelse/locality/31797/2019/14				

Criterion 2.1 Benthic biodiversity and benthic effects [1] Footnote [1] Closed production systems that can demonstrate that they collect and responsibly dispose of > 75% of solid nutrients from the production system are exempt from standards under Criterion 2.1. See Appendix VI for requirements on transparency for 2.1.1, 2.1.2 and 2.1.3. Instruction to Clients and CABs on Criterion 2.1 - Modification of the Benthic Sampling Methodology For farms located in a jurisdiction where specific benthic sampling locations are required under law, clients may request to modify the benthic sampling methodology prescribed in Appendix I-1 to allow for sampling at different locations and/or changes in the total number of samples. Where modifications are sought, farms shall provide a full justification to the CAB for review. Requests for modification shall be supported by mapping of differences in sampling locations. In any event, the sampling locations must at a minimum include samples from the cage edge and samples taken from inside and outside of a defined AZE. CABs shall evaluate client requests to modify benthic methodology based on whether there is a risk that such changes would jeopardize the intent and rigor of the ASC Salmon Standard. If the CAB determines that proposed modifications are low risk, the CAB shall ensure that details of the modified benthic sampling methodology are fully described and justified in the audit report. Note: Under Indicator 2.1.1, farms can choose to measure redox potential (Option #1) or sulphide concentration (Option #2). Farms do not have to demonstrate that they meet both a. Prepare a map of the farm showing boundary of AZE (30 m) and GPS locations of all sediment collections stations. If the farm uses a site-specific AZE, provide justification [3] to the CAB. b. If benthos throughout the full AZE is hard bottom, provide evidence to the CAB and Indicator: Redox potential or [2] sulphide levels in request an exemption from 2.1.1c-f. 2.1.2 and 2.1.3. sediment outside of the Allowable Zone of Effect (AZE) [3], following the sampling methodology . Inform the CAB whether the farm chose option #1 or option #2 to demonstrate outlined in Appendix I-1 ompliance with the requirements of the Standard. 2.1.1 a. A map has been prepared. B N/A c. No information on the option chosen. D/E/F/G The last Requirement: Redox potential > 0 mV d. Collect sediment samples in accordance with the methodology in Appendix I-1 (i.e. sampling of sediments were done on 23.01.2018 on 17 G. No values for this cycle. Site not in Minor at the time of peak cage biomass and at all required stations). compliance with the requirement. Sulphide ≤ 1,500 µMol/L e. For option #1, measure and record redox potential (mV) in sediment samples using Applicability: All farms except as noted in [1] in appropriate, nationally or internationally recognized testing method. f. For option #2, measure and record sulphide concentration (μM) using an appropriate, nationally or internationally recognized testing method. No sediment samples, no measuring of redox potential or g. Submit test results to ASC as per Appendix VI at least once for each production sulphide concentration performed by the site. The last sampling cycle. If site has hard bottom and cannot complete tests, report this to ASC. were performed 30.10.2013 and 23.01.2018 (on 17 G). Footnote [2] Farm sites can choose whether to use redox or sulphide. Farms do not have to demonstrate that they meet both. [3] Allowable Zone of Effect (AZE) is defined under this standard as 30 meters. For farm sites where a site-specific AZE shall be used. Footnote

	T				T T		
		Notes: - Under Indicator 2.1.2, farms can choose one of four measurements to show complian BQI (Option #3); or ITI (Option #4). Farms do not have to demonstrate that they meet a - If a farm is exempt due to hard bottom benthos (see 2.1.1b), then 2.1.2 does not apply					
	high ecological quality in sediment outside the AZE,	a. Prepare a map showing the AZE (30 m or site specific) and sediment collections stations (see 2.1.1).					
		b. Inform the CAB whether the farm chose option #1, #2, #3, or #4 to demonstrate compliance with the requirement.					
	following the sampling methodology outlined in Appendix I-1	c. Collect sediment samples in accordance with Appendix I-1 (see 2.1.1).					
2.1.2	Requirement: AZTI Marine Biotic Index (AMBI [5]) score ≤ 3.3, or	d. For option #1, measure, calculate and record AZTI Marine Biotic Index [5] score of sediment samples using the required method.	No faunal index score available. No sampling has been performed by the site. Last were performed 23.01.2018 (on 17 G). This is not in compliance with the requirements.				
	Shannon-Wiener Index score > 3, or Benthic Quality Index (BQI) score ≥ 15, or	e. For option #2, measure, calculate and record Shannon-Wiener Index score of sediment samples using the required method.		Minor			
	Infaunal Trophic Index (ITI) score ≥ 25 Applicability: All farms except as noted in [1]	f. For option #3, measure, calculate and record Benthic Quality Index (BQI) score of sediment samples using the required method.	per office Estate Co. 2. Gy, insist the companies with the requirements.				
	Applicability: All familis except as floced in [1]	g. For option #4, measure, calculate and record Infaunal Trophic Index (ITI) score of sediment samples using the required method.					
		h. Retain documentary evidence to show how scores were obtained. If samples were analyzed and index calculated by an independent laboratory, obtain copies of results.			No faunal index score available. No sampling has been		
		i. Submit faunal index scores to ASC (Appendix VI) at least once for each production cycle.			performed by the site. Last were performed 23.01.2018 (on 17 G).		
Footnote	[4] "Good"	Ecological Quality Classification: The level of diversity and abundance of invertebrate tax	a is slightly outside the range associated with the type-specific conditions. Most of the sensitive	taxa of the typ	pe-specific communities are present.		
Footnote		[5] http:	//www.azti.es/en/ambi-azti-marine-biotic-index.html.				
	Indicator: Number of macrofaunal taxa in the sediment within the AZE, following the sampling methodology outlined in Appendix I-1 Requirement: ≥ 2 highly abundant [6] taxa that are	a. Document appropriate sediment sample collection as for 2.1.1a and 2.1.1c, or exemption as per 2.1.1b.					
		b. For sediment samples taken within the AZE, determine abundance and taxonomic composition of macrofauna using an appropriate testing method.					
2.1.3		c. Identify all highly abundant taxa [6] and specify which ones (if any) are pollution indicator species.	a),b),c),d),e) f): NC: No mom analyses has been performed by the site. The last Mom-C analysis was performed 30.10.2013 and Mom B performed 23.01.2018 (on 17 G). This is not in	Minor			
	not pollution indicator species Applicability: All farms except as noted in [1]	d. Retain documentary evidence to show how taxa were identified and how counts were obtained. If samples were analyzed by an independent lab, obtain copies of results.	compliance with the requirements.				
		e. Submit counts of macrofaunal taxa to ASC (Appendix VI) at least once for each production cycle.			No mom analyses has been performed by the site. The last Mom- C analysis was performed 30.10.2013 and Mom B performed 23.01.2018 (on 17 G).		
Footnote		[6] Highly abundant: Greater than 100 organisms p	er square meter (or equally high to reference site(s) if natural abundance is lower than this leve	I).			
	Indicator: Definition of a site-specific AZE based on a robust and credible [7] modeling system	a. Undertake an analysis to determine the site-specific AZE and depositional pattern.					
2.1.4	Requirement: Yes	b. Maintain records to show how the analysis (in 2.1.4a) is robust and credible based on modeling using a multi-parameter approach [7].	An analysis has determined a site specific AZE. NC: No records to show analysis for the site specific AZE is robust.	Minor			
	Applicability: All farms except as noted in [1]	c. Maintain records to show that modeling results for the site-specific AZE have been verified with > 6 months of monitoring data.			No records to show analysis for the site specific AZE is robust		
Footnote	No records to show analysis for the site specific AZE is robust [7] Robust and credible: The SEPA AUTODEPOMOD modeling system is considered to be an example of a credible and robust system. The model must include a multi-parameter approach. Monitoring must be used to ground-truth the AZE proposed through the model.						

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 3 of 51

		Criterion 2.2 W	ater quality in and near the site of operation [8]			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
Footnote		[8] See Appendix '	VI for transparency requirements for 2.2.1, 2.2.2, 2.2.3 and 2.2.5.			
2.2.1	Indicator: Weekly average percent saturation [9] of dissolved oxygen (DO) [10] on farm, calculated following methodology in Appendix I-4 Requirement: ≥ 70% [11] Applicability: All farms except as noted in [11]	as follows: - measurements may be taken with a handheld oxygen meter or equivalent chemical mequipment is calibrated according to manufacturer's recommendations; - measurements are taken at least twice daily: once in the morning (6-9 am) and once is a salinity and temperature must also be measured when DO is sampled; - sampling should be done at 5 meters depth in water conditions that would be experiedenched when the calculation of a weekly average percompleted and well-justified situations, farms may request that the CAB approve reduction faception [see footnote 12] If a farm does not meet the minimum 70 percent weekly average to the farm site and is not influenced by nutrient inputs from anthropogenic communities. For any such exceptions, the auditor shall fully document in the audit rep	he average weekly percent saturation of dissolved oxygen (DO). Key points of the method are hethod; In the afternoon (3-6 pm) as appropriate for the location and season; In the afternoon (3-6 pm) as appropriate for the location and season; In the afternoon (3-6 pm) as appropriate for the location and season; In the afternoon (3-6 pm) as appropriate for the location and season; In the auditor with a written justification (e.g. when samples are missed due to bad weather). In the of DO monitoring frequency to one sample per day. In the afternoon (3-6 pm) as appropriate for the location for DO monitoring frequency to one sample per day. In the afternoon (3-6 pm) as appropriate for the location for a location that is understood to follow similar patterns in causes including aquaculture, agricultural runoff or nutrient releases from coastal			
		a. Monitor and record on-farm percent saturation of DO at a minimum of twice daily using a calibrated oxygen meter or equivalent method. For first audits, farm records must cover ≥ 6 months. b. Provide a written justification for any missed samples or deviations in sampling time. c. Calculate weekly average percent saturation based on data. d. If any weekly average DO values are < 70%, or approaching that level, monitor and record DO at a reference site and compare to on-farm levels (see Instructions). e. Arrange for auditor to witness DO monitoring and calibration while on site. f. Submit results from monitoring of average weekly DO as per Appendix VI to ASC at least once per year.	A. Using "Tialta" continuous logging (every 10 minutes) of oxygen, salinity and temperature at 2 sampling stations (5 meters). Seen record for the cyclus, average 93 %, minimum 65 % oxygen and maximum 127 % oxygen. Minimum 5,1 mg oxygen per liter and maximum 13,5 mg oxygen per liter. Weekly average oxygen is >70 % B. C. Seen record for the period from December 2017 to Februar 2019. E. Monitoring of oksygen and calibration routines verified on site. Good knowledge, instructions from equipment producer available. Info will be submitted to ASC.	Compliant		
Footnote			ved in the water sample compared to the maximum amount that could be present at the same	temperature ar	nd salinity.	
Footnote		[10] Averaged we	ekly from two daily measurements (proposed at 6 am and 3 pm).			
Footnote		[11] An exception to this standard shall be ma	de for farms that can demonstrate consistency with a reference site in the same water body.			
2.2.2	Indicator: Maximum percentage of weekly samples from 2.2.1 that fall under 2 mg/L DO Requirement: 5% Applicability: All	a. Calculate the percentage of on-farm samples taken for 2.2.1a that fall under 2 mg/L DO. b. Submit results from 2.2.2a as per Appendix VI to ASC at least once per year.	A. Data seen at audit and results from 2018 all beoynd 2 mg /l. B.Info will be submitted to ASC.	Compliant		
	Indicator: For jurisdictions that have national or regional coastal water quality targets [12], demonstration through third-party analysis that the farm is in an area recently [13] classified as having	a. Inform the CAB whether relevant targets and classification systems are applicable in the jurisdiction. If applicable, proceed to "2.2.3.b". If not applicable, take action as required under 2.2.4	A. B.C Relevant targets and classification systems are applicable in the jurisidction. EU Water Directive 2000 gives water quality			
2.2.3	"good" or "very good" water quality [14] Requirement: Yes [15]	b. Compile a summary of relevant national or regional water quality targets and classifications, identifying the third-party responsible for the analysis and classification.	objectives for area Hammerfest community (reference to vann-nett.no/). Ecologic condition and chemical	Compliant		
	Applicability: All farms except as noted in [15]	c. Identify the most recent classification of water quality for the area in which the farm operates.	state are classified 81,8% presumed good, 4,5%			
Footnote		[1	12] Related to nutrients (e.g., N, P, chlorophyll A).			
Footnote			[13] Within the two years prior to the audit.			
Footnote		[14] Classifications of "good" and "very good" are used in the EU Water Fram	nework Directive. Equivalent classification from other water quality monitoring systems in other	jurisdictions a	re acceptable.	
Footnote	[15] Closed produc	tion systems that can demonstrate the collection and responsible disposal of > 75% of so	olid nutrients as well as > 50% of dissolved nutrients (through biofiltration, settling and/or othe	r technologies)	are exempt from standards 2.2.3 and 2.2.4.	

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 4 of 51

	Indicator: For jurisdictions without national or regional coastal water quality targets, evidence of monitoring of nitrogen and phosphorous [16] levels	a. Develop, implement, and document a weekly monitoring plan for N, NH4, NO3, total P, and ortho-P in compliance with Appendix I-5. For first audits, farm records must cover ≥ 6 months.				
2.2.4	on farm and at a reference site, following methodology in Appendix I-5	b. Calibrate all equipment according to the manufacturer's recommendations.	N/A. Relevant targets and classification systems are applicable in the jurisidiction see 2.2.3	Compliant		
	Requirement: Consistency with reference site Applicability: All farms except as noted in [16]	c. Submit data on N and P to ASC as per Appendix VI at least once per year.				
Footnote		[16] Farms shall monitor total N, NH4, NO3, total P and Ortho-P i	I n the water column. Results shall be submitted to the ASC database. Methods such as a Hach ki	t are acceptabl	le.	
2.2.5	Indicator: Demonstration of calculation of biochemical oxygen demand (BOD [17]) of the farm on a production cycle basis Requirement: Yes Applicability: All	harvested fish. In this case, farm must submit breakdown of N & C captured/filtered/at • Reference for calculation methodology: Boyd C. 2009. Estimating mechanical aerat World Aquaculture Society Meeting; Sept 25-29, 2009; VeraCruz, Mexico. And: Global A http://web.uvic.ca/~gapi/explore-gapi/bod.html. Note 1: Calculation requires a full production cycle of data and is required beginning wi client is required to demonstrate to the CAB that data is being collected and an underst	es such as IMTA or through direct collection of nutrient wasted. In this equation, "fish" refers to sorbed to ASC along with method used to estimate nutrient reduction. ion requirement in shrimp ponds from the oxygen demand of feed. In: Proceedings of the equaculture Performance Index BOD calculation methodology available at the production cycle first undergoing certification. If it is the first audit for the farm, the canding of the calculations. Les at least once every two weeks, samples are independently analyzed by an accredited only from calculated annual BOD load. Ended cycle 18G: BOD 280,19 mTO2 Ongoing production cycle: Stocking date 22.05.2018. Feed used: 360 000 Results will be	Compliant		
		b. Submit calculated BOD as per Appendix VI to ASC for each production cycle.	submitted to ASC after the production cycle. Input: 600854.			280,1
Footnote			captured, filtered or absorbed through approaches such as IMTA or through direct collection of i oceedings of the World Aquaculture Society Meeting; Sept 25-29, 2009; VeraCruz, Mexico. And:			
			http://web.uvic.ca/~gapi/explore-gapi/bod.html.	,,,,,		
	Indicator: Appropriate controls are in place that maintain good culture and hygienic conditions on the farm which extends to all chemicals, including	a. Document control systems in good culture and hygene that includes all appropriate elements.				
2.2.6	veterinary drugs, thereby ensuring that adverse impacts on environmental quality are minimised.	b. Apply the systems ensuring that staff are aware, qualified and trained to proberly implement them.	A. Procedure "Hygienereglement - Matfisk" ID 127, dt. 06.12.2017 Prosedure "Prosedyre for oppbevaring håndtering av kjemikalier og gasser", ID 473, 01.06.2018. Cermaq is ISO 9001, 14001, 22000 certified. The implementation of appropriate controls were verified at the audit.	Compliant		
	Requirement: Yes Applicability: All	-	audit.			
	- hhumanist. Oil	Criteri	on 2.3 Nutrient release from production			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
		Note: The methodology given in App	pendix I-2 is used to determine the fines (dust and small fragments) in finished product of fish fe	ed which has a	a diameter of 3 mm or more.	
	Indicator: Percentage of fines [18] in the feed at point of entry to the farm [20] (calculated following	a. Determine and document a schedule and location for quarterly testing of feed. If				
	methodology in Appendix I-2)	testing prior to delivery to farm site, document rationale behind not testing on site.	EWOS and Biomar are feed suppliers. Percentage of fines measured according to			
2.3.1		b. If using a sieving machine, calibrate equipment according to manufacturer's	requirements. Registrations and calculations ranging from 0,0 to 0,10% in period july 2017 - Mai 2019. Monthly testing according to internal QMS Intelex procedure "Prosedyre fôrmottak	Compliant		
	Requirement: < 1% by weight of the feed	recommendations.	og lagring" ID 260, dated 15.0519and 0,3 % of fines is measured for all feed deliveries.	Compilant		
	Applicability: All farms except as noted in [19]	c. Conduct test according to detailed methodology in Appendix I-2 and record results for the pooled sample for each quarter. For first audits, farms must have test results	Average 0,47%.			
	- spendamey. An idinia except as noted in [13]	from the last 3 months.				
Footnote			m sieve, or particles that separate from feed with a diameter greater than 5 mm when sieved th delivered to farm).			•
Footnote	[19] To be measured every quarter or every three m		nediately prior to delivery to farm for sites with no feed storage where it is not possible to samp of dissolved nutrients (through biofiltration, settling and/or other technologies) are exempt.	le on farm. Clo	osed production systems that can demonstrate the collection and re	sponsible
	disposal of 273% of solid fluttients and 250% of dissolved fluttients (utrough biolitic ation), setting and/of other technologies) are exempt.					

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 5 of 51

		Criterion 2.4 Inter	action with critical or sensitive habitats and species			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
		Note: If a farm has previously undertaken an independent assessment of biodivers	ity impact (e.g. as part of the regulatory permitting process), the farm may use such documents Appendix I-3 are explicitly covered.	as evidence to	demonstrate compliance with Indicator 2.4.1 as long as all components	ents in
2.4.1	Indicator: Evidence of an assessment of the farm's potential impacts on biodiversity and nearby ecosystems that contains at a minimum the components outlined in Appendix I-3 Requirement: Yes	a. Perform (or contract to have performed) a documented assessment of the farm's potential impact on biodiversity and nearby ecosystems. The assessment must address all components outlined in Appendix I-3. b. If the assessment (2.4.1a) identifies potential impact(s) of the farm on biodiversity or nearby critical, sensitive or protected habitats or species, prepare plan to address those potential impacts.	A. Report "Biodiversitetsfokusert risikovurdering - Sørøya" may2019., new risk assessment planned to be finished in july includes sensitive and protected habitats, redlisted species, lice, escape, treatments, potential effects of farming, water quality, environmental state, salmon carrying areas, etc. Includes actions and goals for environment and biodiversity. In "intelex": Risk assessment "Risikovurdering 'Ytre miljø Hamnefjorden" 31.03.2018 and procedure "Prosedyre for risikovurdering". Impacts consequence assessment performed according to Appendix I-3.	Compliant		
	Applicability: All	c. Keep records to show how the farm implements plan(s) from 2.4.1b to minimize potential impacts to critical or sensitive habitats and species.				
		Instruction to Clients for Indicator 2.4.2 - Exceptions to Requirements that Farms are in The following exceptions shall be made for Indicator 2.4.2: Exception #1: For protected areas classified by the International Union for the Conserval landscapes or for sustainable resource management).	not sited within Protected Areas or HCVAs ation of Nature (IUCN) as Category V or VI (these are areas preserved primarily for their			
2.4.2	Exception #2: For HCVAs if the farm can demonstrate that its environmental impacts are compatible with the conservation objectives of the HCVA designation would be placed on the farm to demonstrate that it is not negatively impacting the core reason an area has been identified as a HCVA. Exception #3: For farms located in a protected area if it was designated as such after the farm was already in operation and provided the farm can demonst environmental impacts are compatible with the conservation objectives of the protected area and it is in compliance with any relevant conditions or regular as a result of the formation/designation of the protected area. The burden of proof would be placed on the farm to demonstrate that it is not negatively impacting the protected area and it is in compliance with any relevant conditions or regular as a result of the formation/designation of the protected area. The burden of proof would be placed on the farm to demonstrate that it is not negatively impacting area has been protected. **Definition** *Protected area: "A clearly defined geographical space, recognized, dedicated and managed through legal or other effective means, to achieve the long-term with associated ecosystem services and cultural values." **High Conservation Value Areas (HCVA): Natural habitats where conservation values are considered to be of outstanding significance or critical importance. through a multi-stakeholder approach that provides a systematic basis for identifying critical conservation values—both social and environmental—and for management in order to ensure that these high conservation values are maintained or enhanced	e reason an area has been identified as a HCVA. If arm was already in operation and provided the farm can demonstrate that its ed area and it is in compliance with any relevant conditions or regulations placed on the farm uld be placed on the farm to demonstrate that it is not negatively impacting the core reason an aged through legal or other effective means, to achieve the long-term conservation of nature econsidered to be of outstanding significance or critical importance. HCVA are designated ritical conservation values—both social and environmental—and for planning ecosystem				
	Applicability: All farms except as noted in [22]	a. Provide a map showing the location of the farm relative to nearby protected areas or High Conservation Value Areas (HCVAs) as defined above (see also 1.1.1a). b. If the farm is <u>not</u> sited in a protected area or High Conservation Value Area as defined above, prepare a declaration attesting to this fact. In this case, the requirements of 2.4.2-cd do not apply.	A. Fiskeridirektoratet.no map and DN Naturbase map with all known protected areas defined.			
		c. If the farm is sited in a protected area or HCVA, review the scope of applicability of Indicator 2.4.2 (see Instructions above) to determine if your farm is allowed an exception to the requirements. If yes, inform the CAB which exception (#1, #2, or #3) is allowed and provide supporting evidence.	B. Langøyhovden site is not in conflict with protected areas - HCVAs or CAs. Statement Cermaq 15.5.2018 None of cermaq sites are located in a HCVA, C.D. NA The site is not situated in a HCVA.	Compliant		
		d. If the farm is sited in a protected area or HCVA and the exceptions provided for Indicator 2.4.2 do not apply, then the farm does not comply with the requirement and is ineligible for ASC certification.				
Footnote	[20] Protected area: "A clearly defined geographical		hieve the long-term conservation of nature with associated ecosystem services and cultural value $Categories$, C	ues." Source: Di	udley, N. (Editor) (2008), Guidelines for Applying Protected Area Ma	nagement
Footnote	[21] High Conservation Value Areas (HCVA):	Natural habitats where conservation values are considered to be of outstanding significa-	categories, Gland, Switzerland: 1004. X + 80pp. ance or critical importance. HCVA are designated through a multi-stakeholder approach that proder to ensure that these high conservation values are maintained or enhanced (http://www.hc			ıd
Footnote		 For protected areas classified by the International Union for the Conservation of Nate that its environmental impacts are compatible with the conservation objectives of the nated as such after the farm was already in operation and provided the farm can demon 	e following exceptions shall be made for Standard 2.4.2: ature (IUCN) as Category V or VI (these are areas preserved primarily for their landscapes or for HCVA designation. The burden of proof would be placed on the farm to demonstrate that it is strate that its environmental impacts are compatible with the conservation objectives of the proproof would be placed on the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively impacting the core in the farm to demonstrate the demonstrate that it is not negatively impacting the core in the farm to demonstrate that it is not negatively in the farm to demonstrate the demonstrate that it is not negatively in the farm to demonstrate the demonstrate that it is not negatively in the farm to demonstrate the demonstrate that it is not negatively in the farm to demonstrate the demons	not negatively in otected area ar	mpacting the core reason an area has been identified as a HCVA. In the core reason an area has been identified as a HCVA.	iced on the

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 6 of 51

		Criterion 2.5 Ir	teraction with wildlife, including predators [23]			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
Footnote		[23] See Appen	dix VI for transparency requirements for 2.5.2, 2.5.5 and 2.5.6.			
2.5.1	Indicator: Number of days in the production cycle when acoustic deterrent devices (ADDs) or acoustic harassment devices (AHDs) were used Requirement: 0 Applicability: All	a. Compile documentary evidence to show that no ADDs or AHDs have been used by the farm.	A. No use of ADDs or AHDs. Statement regarding non use of ADDs devices. This was verified during the audit. Audit evidence: Interviews with the workers	Compliant		
		a. Prepare a list of all predator control devices and their locations.	A. Birdnets located above the net cages are only predator control devices used. B. C. No marine mammals involved. Records shows: 0 registered in the site during the current			
	Indicator: Number of mortalities [25] of endangered or red-listed [26] marine mammals or birds on the	b. Maintain a record of all predator incidents.	production cycle- last 6 months. D List of endangered or red-listed marine mammals and birds is included in the risk assessment for Hammefjorden.A. Birdnets located above the net			
2.5.2	farm Requirement: 0 (zero)	c. Maintain a record of all mortalities of marine mammals and birds on the farm identifying the species, date, and apparent cause of death.	cages are only predator control devices used. B. C. No marine mammals involved. D List of endangered or red-listed marine mammals and birds is included in the risk assessment for Slettnes. A. Birdnets located above the net cages are only predator control devices used. B. C.	Compliant		
	Applicability: All	d. Maintain an up-to-date list of endangered or red-listed marine mammals and birds in the area (see 2.4.1) $$	No marine mammals involved. Records shows: ntrol devices used. B. C. No marine mammals involved. Records shows: 0 registered in the site during the current production cycle- last 6 months D List of endangered or red-listed marine mammals and birds is included in the risk			
		-	assessment for Hamnefjord.			
Footnote			killed through lethal action as well as accidental deaths through entanglement or other means.			
Footnote		[26] Species listed as endangere	d or critically endangered by the IUCN or on a national endangered species list.			
	Indicator: Evidence that the following steps were taken prior to lethal action [27] against a predator: 1. All other avenues were pursued prior to using	 a. Provide a list of all lethal actions that the farm took against predators during the previous 12-month period. Note: "lethal action" is an action taken to deliberately kill an animal, including marine mammals and birds. 				
2.5.3	the farm manager 3. Explicit permission was granted to take lethal	b. For each lethal action identified in 2.5.4a, keep record of the following: 1) a rationale showing how the farm pursued all other reasonable avenues prior to using lethal action; 2) approval from a senior manager above the farm manager of the lethal action; 3) where applicable, explicit permission was granted by the relevant regulatory authority to take lethal action against the animal.	NA. No lethal actions taken at farm	N/A		
	Applicability: All except cases where human safety is endangered as noted in [28]	c. Provide documentary evidence that steps 1-3 above (in 2.5.4b) were taken prior to killing the animal. If human safety was endangered and urgent action necessary, provide documentary evidence as outlined in [28].				
Footnote		[27] Lethal action: Action 1	aken to deliberately kill an animal, including marine mammals and birds.			
Footnote	[28] Ex	cception to these conditions may be made for a rare situation where human safety is en	dangered. Should this be required, post-incident approval from a senior manager should be made	de and relevant	t authorities must be informed.	

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 7 of 51

Instruction to Clients and CABs on Indicators 2.5.4, 2.5.5, and 2.5.6 - Clarification about the ASC Definition of "Lethal Incident"

The ASC Salmon Standard has defined "Lethal incident" to include all lethal actions as well as entanglements or other accidental mortalities of non-salmonids [footnote 29]. For the purpose of assisting farms and auditors with understanding how to evaluate compliance with Indicators 2.5.4, 2.5.5, and 2.5.6, ASC has clarified this definition further:

Total number of lethal Incidents = sum of all non-salmonid deaths arising from all lethal actions taken by the farm during a given time period

There should be a 1:1 relationship between the number of animal deaths and the number of lethal incidents reported by the farm. For example, if a farm has taken one (1) lethal action in past last two years and that single lethal action resulted in killing three (3) birds, it is considered three (3) lethal incidents within a two year period.

The term "non-salmonid" was intended to cover any predatory animals which are likely to try to feed upon farmed salmon. In practice these animals will usually be seals or birds.

2.5.4	Indicator: Evidence that information about any lethal incidents [30] on the farm has been made easily publicly available [29] Requirement: Yes	a. For all lethal actions (see 2.5.3), keep records showing that the farm made the information available within 30 days of occurrence. a. For all lethal actions (see 2.5.3), keep records showing that the farm made the information available within 30 days of occurrence.	NA. No lethal actions taken at farm	N/A		
	Applicability: All	b. Ensure that information about all lethal actions listed in 2.5.4a are made easily publicly available (e.g. on a website).				
Footnote		[29] Posting results on a public website is an example of "easily publicly	available." Shall be made available within 30 days of the incident and see Appendix VI for trans	parency requir	ements.	
	Indicator: Maximum number of lethal incidents [30]	a. Maintain log of lethal incidents (see 2.5.3a) for a minimum of two years. For first audit, > 6 months of data are required.				
2.5.5	on the farm over the prior two years	b. Calculate the total number of lethal incidents and the number of incidents involving marine mammals during the previous two year period.	NA. No lethal incidents at the farm during the prior two years.	N/A		
	than two of the incidents being marine mammals Applicability: All	c. Send ASC the farm's data for all lethal incidents [30] of any species other than the salmon being farmed (e.g. lethal incidents involving predators such as birds or marine mammals). Data must be sent to ASC on an ongoing basis (i.e. at least once per year and for each production cycle).		·		
Footnote		[30] Lethal incident: Includes all letha	al actions as well as entanglements or other accidental mortalities of non-salmonids.	L		
Footnote		[31] Standard 2.5.6 applicable to incidents related to no	on-endangered and non-red-listed species. This standard complements, and does not contradict	., 2.5.3.		
2.5.6	Indicator : In the event of a lethal incident, evidence that an assessment of the risk of lethal incident(s) has been undertaken and demonstration of concrete steps taken by the farm to reduce the risk of future incidences	steps the farm takes to reduce the risk of future incidents.	NA. No lethal incidents at the farm during the prior two years.	N/A		
	Requirement: Yes	 b. Provide documentary evidence that the farm implements those steps identified in 2.5.6a to reduce the risk of future lethal incidents. 				

			IE HEALTH AND GENETIC INTEGRITY OF WILD POPULATIONS			
		Compliance Criteria (Required Client Actions):	duced or amplified parasites and pathogens [34, 35] Auditor Evaluation (Required CAB Actions):			
Footnote			n pathogens into the natural (freshwater or marine) environment are exempt from the standard	ls under Criterio	n 3.1.	
Footnote		[33] See Appendix VI	for transparency requirements for 3.1.1, 3.1.3, 3.1.4, 3.1.6 and 3.1.7.			
ccording to ligible for ex) the farm d) any efflue	xemption from Criterion 3.1 if it can be shown that eitloss not release any water to the natural environment	ner of the following holds: ; or s been effectively treated to kill pathogens (e.g. UV and/or chemical treatment of water	ent are exempt from the requirements under Criterion 3.1. More specifically, farms are only with testing demonstrating efficacy).			
duitors sila	ir fully document the rationale for any such exemption	a. Keep record of farm's participation in an ABM scheme.				1
	Indicator: Participation in an Area-Based Management (ABM) scheme for managing disease and resistance to treatments that includes coordination of stocking, fallowing, therapeutic treatments and information-sharing. Detailed 3.1.1	b. Submit to the CAB a description of how the ABM (3.1.1a) coordinates management of disease and resistance to treatments, including: - coordination of stocking; - fallowing; - therapeutic treatments; and - information sharing.	A. B.C. Participation is a requirement according to national legislation. Records and overview over ABM and ref to "Samordnet plan for kontroll og bekjempelse av lakselus 2018-2019" dt. 24.09.18 in zones defined by NFSA and companys in ABM. ABM for Nordland 100 % of seafarms in area participaiting in the ABM (Cermaq, Grieg Seafood, Salmar, NRS, Lerøy Aurora). ABM leaded by veterinary service Åkerblå, Ragnhild AukanWeekly updates to Altlnn, where info is available for all farms in zone. Also regular meetings between participants	Compliant		
	Requirement: Yes Applicability: All except farms that release no water as noted in [32]	c. Provide the CAB access to documentation which is sufficient for the auditor to where ABM issues are discussed 10% of farms included. Routines and procedures for notification included in ABM related to treatments and diseases according to legislation from his definition of area, minimum % participation in the scheme, components, and coordination requirements.				
		d. Submit dates of fallowing period(s) as per Appendix VI to ASC at least once per year.				1
			th NGOs, academics and governments on areas of mutually agreed research to measure e on such research projects, the farm may demonstrate compliance by showing evidence of rected outreach to relevant organizations.			
	Indicator: A demonstrated commitment [34] to collaborate with NGOs, academics and governments on areas of mutually agreed research to measure possible impacts on wild stocks	a. Retain records to show how the farm and/or its operating company has communicated with external groups (NGOs, academics, governments) to agree on and collaborate towards areas of research to measure impacts on wild stocks, including records of requests for research support and collaboration and responses to those requests.				
	Requirement: Yes Applicability: All except farms that release no water as noted in [32]	b. Provide non-financial support to research activities in 3.1.2a by either: - providing researchers with access to farm-level data; - granting researchers direct access to farm sites; or - facilitating research activities in some equivalent way.	Updated list of projects seen at audit. Reserach partners include: Salmon producers Sametinget, Universities.	Compliant		
		c. When the farm and/or its operating company denies a request to collaborate on a research project, ensure that there is a written justification for rejecting the proposal.				
		d. Maintain records from research collaborations (e.g. communications with researchers) to show that the farm has supported the research activities identified in 3.1.2a.				
Footnote	[34] Commitme	nt: At a minimum, a farm and/or its operating company must demonstrate this commitm	nent through providing farm-level data to researchers, granting researchers access to sites, or ot	ther similar non-	-financial support for research activities.	

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 9 of 51

3.1.3	Indicator: Establishment and annual review of a maximum sea lice load for the entire ABM and for the individual farm as outlined in Appendix II-2 Requirement: Yes Applicability: All except farms that release no water as noted in [32]	a. Keep records to show that a maximum sea lice load has been set for: - the entire ABM; and - the individual farm. b. Maintain evidence that the established maximum sea lice load (3.1.3a) is reviewed annually as outlined in Appendix II-2, incorporating feedback from the monitoring of wild salmon where applicable (See 3.1.6). c. Provide the CAB access to documentation which is sufficient for the auditor to evaluate whether the ABM has set (3.1.3a) and annually reviewed (3.1.3.b) maximum sea lice load in compliance with requirements in Appendix II-2. d. Submit the maximum sea lice load for the ABM to ASC as per Appendix VI at least once per year.	A.B.C. NFSA (Mattilsynet) set limits and govermental treatment regime for ABM, reported via Altinn. In "Lusedata.no" with lice levels, treatment etc. published in the public web-site www.barentswatch.noAlso internal procedures in Intelex Quality System, system to prevent maximum sea lice load. Procedure "Prosedyre for samordnet kontroll og bekjempelse av lakselus" ID 394, dated 04.04.17. Procedure "Rapportering av Lakselus" ID 348, dated 19.06.16. Procedure "Prosdyre for lusetelling" ID 321 dated 15.05.18. Registered on farm in FishTalk.Records confirm compliance. Sealice in fish talk info on barents watch. The records on sea lice load is available on https://www.barentswatch.no/fiskehelse/locality/13996/2019/18. Sensitive period for sealice: Manday week 21 - Sunday week 26. Data will be submitted to ASC when the fish has been harvested	Compliant		
	Indicator: Frequent [35] on-farm testing for sea lice, with test results made easily publicly available [36] within seven days of testing Requirement: Yes	a. Prepare an annual schedule for testing sea lice that identifies timeframes of routine testing frequency (at a minimum, monthly) and for high-frequency testing (weekly) due to sensitive periods for wild salmonids (e.g. during and immediately prior to outmigration of juveniles). b. Maintain records of results of on-farm testing for sea lice. If farm deviates from schedule due to weather [35] maintain documentation of event and rationale. c. Document the methodology used for testing sea lice ('testing' includes both counting and identifying sea lice). The method must follow national or international norms, follows accepted minimum sample size, use random sampling, and record the seasons and life states of the sea lice. If form users a clean variety enternand.	A. C. There are legal limits for maximum sea lice load for the entire ABM and the individual farm. Maximum 0,5 mature female sea lice all year, except in sensitive period (week 21 to week 26) were the action limit is 0,2 mature female lice and moving lice based on the legal authorities regulations for lice control Procedure ""Prosedyre for samordnet kontroll og bekjempelse av lakselus" shows regularity of lice count, how to count and maximum sea lice	Compliant		
	Applicability: All except farms that release no water as noted in [32]	species and life-stage of the sea lice. If farm uses a closed production system and would like to use an alternate method (i.e. video), farm shall provide the CAB with details on the method and efficacy of the method. d. Make the testing results from 3.1.4b easily publicly available (e.g. posted to the company's website) within seven days of testing. If requested, provide stakeholders access to hardcopies of test results. e. Keep records of when and where test results were made public. f. Submit test results to ASC (Appendix VI) at least once per year.	load. Sea lice counted weekly and recorded in FishTalk, and reported to Åkerblå and authorities "Altinn" weekly. B. D.E. Seen report and records at the audit on BarentsWatch (https://www.barentswatch.no/fiskehelse) for site Hamnefjord.			
Footnote	[35] Testing must be weekly during and immediately	y prior to sensitive periods for wild salmonids, such as outmigration of wild juvenile salm	non. Testing must be at least monthly during the rest of the year, unless water temperature is so	cold that it wo	ould jeopardize farmed fish health to test for lice (below 4 degrees C).	Within
Footnote			rnative methods for monitoring sea lice, such as video monitoring, may be used. ts on a public website is an example of "easily publicly available."			
. 001010	tool rosting results on a public website is an example of leasily publicly available.					

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 10 of 51

3.1.5	Indicator: In areas with wild salmonids [37], evidence of data [38] and the farm's understanding of that data, around salmonid migration routes, migration timing and stock productivity in major waterways within 50 kilometers of the farm	jurisdictions with wild salmonids. The information is likely to come from government so research themselves. However farms must demonstrate that they are aware of this bas related to minimizing potential impact on those wild stocks. This Indicator requires collection and understanding of general data for the major wate there is data for every small river or tributary or subpopulation. Information should relator other stocks of the same species and hence self-sustaining. A "conservation unit" unde However, it must be recognized that each jurisdiction may have slight differences in hor For purposes of these standards, "areas with wild salmonids" are defined as areas with encompass all, or nearly all, of salmon-growing areas in the northern hemisphere [39].	on wild salmonid health and migration are publicly available in the vast majority of, if not all, purces or from research institutions. Therefore farms are not responsible for conducting this ic information in their region, as such information is needed to make management decisions rsheds within approximately 50 km of the farm. A farm does not need to demonstrate that ate to the wild fish stock level, which implies that the population is more or less isolated from r the Canadian Wild Salmon Policy is an example of an appropriate fish stock-level definition. w a wild salmonid stock is defined in the region. in 75 kilometers of a wild salmonid migration route or habitat. This definition is expected to Potentially affected species in these areas are salmonids (i.e. including all trout species). reas are not considered as "areas with wild salmonids" even if salmon have escaped from		
	Requirement: Yes Applicability: All farms operating in areas with wild salmonids except farms that release no water as noted in [32]	a. Identify all salmonid species that naturally occur within 75 km of the farm through literature search or by consulting with a reputable authority. If the farm is not in an area with wild salmonids, then 3.1.5b and c do not apply. b. For species listed in 3.1.5a, compile best available information on migration routes, migration timing (range of months for juvenile outmigration and returning salmon), life history timing for coastal resident salmonids, and stock productivity over time in major waterways within 50 km of the farm. c. From data in 3.1.5b, identify any sensitive periods for wild salmonids (e.g. periods of outmigration of juveniles) within 50 km of the farm.	A. Atlantic salmon (Salmo salar), trout (Salmo trutta) and Arctic char (Salvelinus alpinus) are naturally occurring in the area. B. Migratory routes as defined in web site "environmental statistics" (miljøstatatus.no) on salmonid carrying rivers, and Lakseregisteret from Miljødirektoratet. Also map from DN with rivers identified.Report "Risikorapport norsk fiskeoppdrett 2017" by Institute of Marine Research, published on their website.Report "Smolt - en kunnskapsoppdatering" by Directorate of Environment 2014. C. Sensitive period defined in regulation "Forskrift om endring i forskrift om bekjempelse av lakselus", states less than 0,2 adult female lice per fish from week 21 to week 26.	Compliant	
Footnote		ation routes, timing and the health of wild stocks under this standard if general informat	f a wild salmonid migration route or habitat. This definition is expected to encompass all, or nea tion is already available. Farms must demonstrate an understanding of this information at the gracisions related to minimizing potential impact on those stocks.		I to make
3.1.6	Indicator: In areas of wild salmonids, monitoring of sea lice levels on wild out-migrating salmon juveniles or on coastal sea trout or Arctic char, with results made publicly available. See requirements in Appendix III-1. Requirement: Yes Applicability: All farms operating in areas with wild salmonids except farms that release no water as noted in [32]	a. Inform the CAB if the farm operates in an area of wild salmonids. If not, then Indicator 3.1.6 does not apply. b. Keep records to show the farm participates in monitoring of sea lice on wild salmonids. c. Provide the CAB access to documentation which is sufficient for the auditor to evaluate whether the methodology used for monitoring of sea lice on wild salmonids is in compliance with the requirements in Appendix III-1. d. Make the results from 3.1.6b easily publicly available (e.g. posted to the company's website) within eight weeks of completion of monitoring. e. Submit to ASC the results from monitoring of sea lice levels on wild salmonids as per Appendix VI.	A. Atlantic salmon (Salmo salar), trout (Salmo trutta) and Arctic char (Salvelinus alpinus) are naturally occurring in the area. B.C. D. Surveillance of sea lice level on wild salmonids is managed by Institute of Marine Research (Havforsknings instituttet) https://www.imr.no. See eport 2018 Risk Assessment for Norway, fish farming report 2018, where sealice issues are covered. IMR report on wild stock sealice situation "Smolt - kunnskapsoppsummering" M1-36-2017, and "Risikovurdering av Norsk Fiskeoppdrett IMR/vet Institute report on measuring environmental effects on wild salmon". E. Results will be sent to ASC.	Compliant	
3.1.7	Indicator: In areas of wild salmonids, maximum on- farm lice levels during sensitive periods for wild fish [39]. See detailed requirements in Appendix II, subsection 2. Requirement: 0.1 mature female lice per farmed fish Applicability: All farms operating in areas with wild salmonids except farms that release no water as noted in [32]	a. Inform the CAB if the farm operates in an area of wild salmonids. If not, then Indicator 3.1.7 does not apply. b. Establish the sensitive periods [39] of wild salmonids in the area where the farm operates. Sensitive periods for migrating salmonids is during juvenile outmigration and approximately one month before. c. Maintain detailed records of monitoring on-farm lice levels (see 3.1.4) during sensitive periods as per Appendix II-2. d. Provide the CAB with evidence there is a 'feedback loop' between the targets for onfarm lice levels and the results of monitoring of lice levels on wild salmonids (Appendix II-2).	A. Atlantic salmon (Salmo salar), trout (Salmo trutta) and Arctic char (Salvelinus alpinus) are naturally occurring in the area. B. Sensitive periods in area for wild salmon migtration considered and defined to week 21 to week 26. C. D. Surveillance of sea lice level on wild salmonids is managed by Institute of Marine Research (Havforsknings instituttet) https://www.imr.no. See eport 2018 Risk Assessment for Norway, fish farming report 2018, where sealice issues are covered.	Compliant	
Footnote		[39] Sensitive periods for migrating	g salmonids is during juvenile outmigration and approximately one month before.		

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 11 of 51

		Criterio	on 3.2 Introduction of non-native species			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
		and reproduction (e.g. the Northern Atlantic Coast of the U.S. and Canada). Appendix II	er with the bio-chemical and temperature profile required to support the farmed species' life -1A elaborates further on this definition: "The boundaries of an area should be defined, taking water movement and other relevant aspects of ecosystem structure and function." The intent ative salmon. Areas will only rarely coincide with the boundaries of countries.			
		a. Inform the CAB if the farm produces a non-native species. If not, then Indicator 3.2.1 does not apply.				
	Indicator: If a non-native species is being produced, demonstration that the species was widely	b. Provide documentary evidence that the non-native species was widely commercially produced in the area before June 13, 2012.				
3.2.1	commercially produced in the area by the date of publication of the ASC Salmon standard	 c. If the farm cannot provide evidence for 3.2.1b, provide documentary evidence that the farm uses only 100% sterile fish that includes details on accuracy of sterility effectiveness. 				
	Requirement: Yes [40] Applicability: All farms except as noted in [40]	d. If the farm cannot provide evidence for 3.2.1b or 3.2.1c, provide documented evidence that the production system is closed to the natural environment and for each of the following: 1) non-native species are separated from wild fish by effective physical barriers that are in place and well maintained; 2) barriers ensure there are no escapes of reared fish specimens that might survive and subsequently reproduce [40]; and 3) barriers ensure there are no escapes of biological material [40] that might survive and subsequently reproduce (e.g. UV or other effective treatment of any effluent water exiting the system to the natural environment).	NA. Atlantic salmon (Salmo salar) is native species in Norway.	N/A		
Footnote	Indicator: If a non-native species is being produced, evidence of scientific research [41] completed within	Instruction to Clients for Indicator 3.2.2 - Exceptions to Allow Production of Non-Nativ Farms have had five years to demonstrate compliance with this standard from the time Farms are exempt from this standard if they are in a jurisdiction where the non-native s conditions are met: eradication would be impossible or have detrimental environmenta Diversity (CBD) was ratified); the species is fully self-sustaining.	of publication of the ASC Salmon Standard (i.e. full compliance by June 13, 2017). pecies became established prior to farming activities in the area and the following three il effects; the introduction took place prior to 1993 (when the Convention on Biological	eureu specim	ens a sociegical material distributions and recursive and subsequently repre	Addet.
	the past five years that investigates the risk of establishment of the species within the farm's jurisdiction and these results submitted to ASC for	a. Inform the ASC of the species in production (Appendix VI).				
3.2.2	review [42]	b. Inform the CAB if the farm produces a non-native species. If not, then Indicator 3.2.2 does not apply.				
	Requirement: Yes Applicability: All [43]	c. If yes to 3.2.2b, provide evidence of scientific research completed within the past five years that investigates the risk of establishment of the species within the farm's jurisdiction. Alternatively, the farm may request an exemption to 3.2.2c (see below).	NA. Atlantic salmon (Salmo salar) is native species in Norway.	N/A		
		d. If applicable, submit to the CAB a request for exemption that shows how the farm meets all three conditions specified in instruction box above.				
		e. Submit evidence from 3.2.2c to ASC for review.				
Footnote		[41] The research must at a minimum include multi-year mo	nitoring for non-native farmed species, use credible methodologies and analysis, and undergo p	eer review.		
Footnote	[42] If the review demonstrates there is increased ris		that jurisdiction under this standard. In the event that the risk tools demonstrate "high" risks, the since into future revision of the standard and those results taken forward into the revision proce		that the ASC will prohibit the certification of farming of non-native	salmon in
Footnote	[43] Farms are exempt from this standard if they are		ties in the area and the following three conditions are met: eradication would be impossible or gical Diversity (CBD) was ratified); the species is fully self-sustaining.	have detrimer	ntal environmental effects; the introduction took place prior to 1993	(when the

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 12 of 51

	Indicator: Accuracy [48] of the counting technology or counting method used for calculating stocking and harvest numbers	of stocking and harvest. Records include copies of spec sheets for counting machines and common estimates of error for hand-counts. b. If counting takes place off site (e.g. pre-smolt vaccination count), obtain and maintain documents from the supplier showing the accuracy of the counting method	A. Counting performed at FW site, vaccination numbers used for stocking number at sea net cage, manually or Wing Tech Fishcounter 777 Smolt and WingTech Fishcounter 1200/2000 finale check at stocking with well boat. Final accurate numbers at harvest plant where individual fish is handled and regsitered. Statement from Wing Tech of 98-100%			
Footnote		de for an escape event that is clearly documented as being outside the farm's control. O applying for certification. The farmer must demonstrate that there a. Maintain records of accuracy of the counting technology used by the farm at times	nly one such exceptional episode is allowed in a 10-year period for the purposes of this standar was no reasonable way to predict the events that caused the episode. See auditing guidance fo	d. The 10-year	period starts at the beginning of the production cycle for which the fa	erm is
Footnote	[46] Farms shall	e. Submit escape monitoring dataset to ASC as per Appendix VI on an ongoing basis (i.e. at least once per year and for each production cycle). report all escapes; the total aggregate number of escapees per production cycle must be	less than 300 fish. Data on date of escape episode(s), number of fish escaped and cause of esca	ape episode sh	nall be reported as outlined in Appendix VI.	
3.4.1	Requirement: 300 [47] Applicability: All farms except as noted in [47]	d. If an escape episode occurs (i.e. an incident where > 300 fish escaped), the farm may request a rare exception to the Standard [47]. Requests must provide a full account of the episode and must document how the farm could not have predicted the events that caused the escape episode.	Documented by report from company and register at Directorate of Fisheries (DOF) (www.fiskeridir.no).	Compliant		
241	Indicator: Maximum number of escapees [46] in the most recent production cycle	c. Maintain the monitoring records described in 3.4.1a for at least 10 years beginning with the production cycle for which farm is first applying for certification (necessary for farms to be eligible to apply for the exception noted in [47]).	No escapes registered from Hamneford. Documented in production and recording system.	Compliant		
		a. Maintain monitoring records of all incidences of confirmed or suspected escapes, specifying date, cause, and estimated number of escapees. b. Aggregate cumulative escapes in the most recent production cycle.				
Footnote		[45] See Appen	dix VI for transparency requirements for 3.4.1, 3.4.2 and 3.4.3.	1		
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
Footnote	1441 Hansgeme. Containing genes aftered by Insertion	To bits from an unrelated organism. Taking genes from one species and inserting them	Criterion 3.4 Escapes [47]	l		
Factorial	Applicability: All	c. Ensure purchase documents confirm that the culture stock is not transgenic. of DNA from an unrelated organism. Taking genes from one species and inserting them	The smolt suppliers is Cermaq Internally smoltfarms			
3.3.1	Indicator: Use of transgenic [44] salmon by the farm Requirement: None	b. Maintain records for the origin of all cultured stocks including the supplier name, address and contact person(s) for stock purchases.	A. Statement date. 23.03.2017, from egg provider AquaGen breeding stock, stating that only conventional breeding and genetics are applied. Cermaq policies on non-GMO available in statement dated 12.02.2018, signed by Quality Manager. B.C. Records for the origins of all stocks were seen at the audit. The records confirms that the culture stock is not transgenic.	Compliant		
		Compliance Criteria (Required Client Actions): a. Prepare a declaration stating that the farm does not use transgenic salmon.	Auditor Evaluation (Required CAB Actions):			
	•		on 3.3 Introduction of transgenic species			
	Requirement: None Applicability: All	c. Collect documentary evidence or first hand accounts as evidence that the species used is not non-native to the region.		,		
3.2.3	Indicator: Use of non-native species for sea lice control for on-farm management purposes	sea lice. b. Maintain records (e.g. invoices) to show the species name and origin of all fish used by the farm for purposes of sea lice control.	The farm does not use cleaner fish.	N/A		

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 13 of 51

		Instruction to Clients for Indicator 3.4.3 - Calculation of Estimated Unexplained Loss				
		The Estimated Unexplained Loss (EUL) of fish is calculated at the end of each production	n cycle as follows:			
		EUL = (stocking count) - (harvest count) - (mortalities) - (recorded escapes)				
		Units for input variables are number of fish (i.e. counts) per production cycle. Where pe	ossible, farms should use the pre-smolt vaccination count as the stocking count. This formula is			
		adapted from footnote 59 of the ASC Salmon Standard.	sample, farms should use the pre-smort vaccination countries the stocking countries mis formula is			
	Indicator: Estimated unexplained loss [49] of farmed	Maintain detailed records for mortalities, stocking count, harvest count, and				
	salmon is made publicly available	escapes (as per 3.4.1).				
3.4.3		b. Calculate the estimated unexplained loss as described in the instructions (above) for				
	Requirement: Yes	the most recent full production cycle. For first audit, farm must demonstrate	A. B.Spesific site reports and records documented and available in production and recording			
	Applicability: All	understanding of calculation and the requirement to disclose EUL after harvest of the	system. Data for the production stocked 21.05.2018 (G18 data). Stocking number: 600854.			
	Applicability: All	current cycle.	Harvest count: 575134. Mortalities 25641. Recorded escapes: 0: EUL: -1,50 %. so far. Expected harvest is from September 2019. B) This is an initial audit. The farm shows	Compliant		
		c. Make the results from 3.4.3b available publicly. Keep records of when and where	understanding of calculation and the requirements.C. System implemented to make EUL	Compilant		
		results were made public (e.g. date posted to a company website) for all production	value information easily publicaly available on corporate webpage www.cermaq.com. D. Info will be sent to ASC after the production cycle.			
		cycles.				
		d. Submit estimated unexplained loss to ASC as per Appendix VI for each production				
		cycle.				
		-				L
Footnote	[49]	Calculated at the end of the production cycle as: Unexplained loss = Stocking count – ha	rvest count – mortalities – other known escapes. Where possible, use of the pre-smolt vaccinat	ion count as th	e stocking count is preferred.	
1		a. Prepare an Escape Prevention Plan and submit it to the CAB before the first audit.				
		This plan may be part of a more comprehensive farm planning document as long as it				
		addresses all required elements of Indicator 3.4.4.				
		·				
		b. If the farm operates an open (net pen) system, ensure the plan (3.4.4a) covers the				
		following areas:				
		- net strength testing;				
		- appropriate net mesh size; - net traceability;				
		- system robustness;				
	Indicator: Evidence of escape prevention planning and related employee training, including: net	- predator management;	A.B Risk assessments and several procedures describes actions to prevent escape (inspection,			
	strength testing; appropriate net mesh size; net	- record keeping;	maintenance, etc.), e.g.: Risk assessment for escapes, d.t 05.04.18, including relevant issues			
	traceability; system robustness; predator	- reporting risk events (e.g. holes, infrastructure issues, handling errors);	related to potensial causes to escapes, e.g procedure "Prosedyre for avisning av not og			
	management; record keeping and reporting of risk	- planning of staff training to cover all of the above areas; and	mære" ID 170, d.t 27.07.2017. "Prosedyre for periodiske ettersyn av anlegg, flåte, og båt -			
	events (e.g., holes, infrastructure issues, handling	- planning of staff training on escape prevention and counting technologies.	matfisk, ID 342, d.t 19.06.16"Prosdyre for kontroll, ettersyn og renhold av not" ID 315, d.t			
3.4.4	errors, reporting and follow up of escape events);		05.05.18. B. The Escape Prevention Plan and accompanying documentscovers the following areas:- net strength testing;- appropriate net mesh size;- net traceability;- system robustness;-	Compliant		
	and worker training on escape prevention and		predator management;- record keeping;- reporting risk events (e.g. holes, infrastructure			
	counting technologies	c. If the farm operates a closed system, ensure the plan (3.4.4a) covers the following	issues, handling errors). Staff training is performed to cover all of the above areas. Diving			
1	Barriagnant, Van	areas:	inspection all nets (routine inspections related to procedure), d.t 10.02.18, all nets, KB-dykk.			
	Requirement: Yes	- system robustness;	All structures NYTEK certified Norwegian standard NS9415. C. Dypeidet is not a closed system.			
	Applicability: All	- predator management;	D. E. Staff training in escape prevention performed			
	- debusements (2))	- record keeping;				
		- reporting risk events (e.g. holes, infrastructure issues, handling errors); - planning of staff training to cover all of the above areas; and				
		- planning of staff training to cover all of the above areas; and - planning of staff training on escape prevention and counting technologies.				
		Framewood and a state of the st				
		d. Maintain records as specified in the plan.				
		e. Train staff on escape prevention planning as per the farm's plan.				
		-				
ı				l	l .	

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 14 of 51

truction to Clients for Indicators 4.1.1 through 4.4.2 - Sourcing	Compliance Criteria (Required Client Actions):	4.1 Traceability of raw materials in feed Auditor Evaluation (Required CAB Actions):	
ruction to Clients for Indicators 4.1.1 through 4.4.2. Sourcing	<u> </u>	· · · ·	
ms must show that all feeds used by the farm are produced in corevals by an independent auditing firm or a conformity assessmen acknowledged by the ASC (see 4.1.1c below). Results from the urate information about their production and supply chains. Desir feed producers are duly informed of the requirements of the indediction to the above, farms must also show that their feed supplies to use one of two different methods to demonstrate compliant thou #1: Farms may choose to source feed from feed producers about a batch of feed according to farm specifications. Audits of the draw and the specification of the producers when the specification are desired in the specification and the specification and the specification and the specification and the specification are the specification and the specification are the specification and the specification and the specification are specification and the specification and the specification and the specification are specification and the specification and the specification are specification and the specification and specification and the specification and specificati			
Indicator: Evidence of traceability, demonstrated by the feed producer, of feed ingredients that make up more than 1% of the feed [50]. 4.1.1 Requirement: Yes Applicability: All	a. Maintain detailed records of all feed suppliers and purchases including contact information and purchase and delivery records. b. Inform each feed supplier in writing of ASC requirements pertaining to production of salmon feeds and send them a copy of the ASC Salmon Standard. c. For each feed producer used by the farm, confirm that an audit of the producer was recently done by an audit firm or CAB against an ASC-acknowledged certification scheme. Obtain a copy of the most recent audit report for each feed producer. d. For each feed producer, determine whether the farm will use method #1 or method #2 (see Instructions above) to show compliance of feed producers. Inform the CAB in writing. e. Obtain declaration from feed supplier(s) stating that the company can assure traceability of all feed ingredients that make up more than 1% of the feed to a level of detail required by the ASC Salmon Standard [50].	A.C Feed supplier is Ewos and BioMar, the feed suppliers have valid GLOBALG.A.P CFM certificates. certified (EWOS GGN 4050373825744, BioMar GGN . Purchase records for the current production cycle was seen at the audit. B. Feed suppliers informed of certifications of site and relevant ASC requirements in mail to EWOS date 26.03.2018. D Method #2 Massbalance is used. E. Statement from Cargill/EWOS on complete traceability dated 08.01.2018 Statement from Biomar on complete traceability dated 26.02.2018	Compliant

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 15 of 51

		Crit	erion 4.2 Use of wild fish for feed [51]			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
Footnote		[51] See App	pendix VI for transparency requirements for 4.2.1 and 4.2.2.			
		an accurate calculation of FFDRm as outlined below. For first audits, farms may be exe - the client maintains a	Instruction to Clients for Indicator 4.2.1 - Calculation of FFDRm to formula presented in Appendix IV-1 using data from the most recent complete production cympted from compliance with Indicator 4.2.1 for the most recent complete production cycle (i.e. the auditor that: - the client understands how to accurately calculate FFDRm; all information needed to accurately calculate FFDRm (i.e. all feed specs for > 6 months) for the complete used for the current production cycle will ensure that the farm will meet requirements	if the FFDRm c	If the most recent crop was $>$ 1.2 $)$ if the farm can satisfactorily demonstion cycle; and	
4.2.1	Indicator: Fishmeal Forage Fish Dependency Ratio (FFDRm) for grow-out (calculated using formulas in Appendix IV- 1) Requirement: < 1.2 Applicability: All	a. Maintain a detailed inventory of the feed used including: - Quantities used of each formulation (kg); - Percentage of fishmeal in each formulation used; - Source (fishery) of fishmeal in each formulation used; - Percentage of fishmeal in each formulation derived from trimmings; and - Supporting documentation and signed declaration from feed supplier.	This is an initial audit: Perode is from 21.05.2019 - 30.04.2019 (18G) Periode feed used 817 tons (EWOS and Biomar), fish produced 2658,48 tons, FCR: 1,06. Total weighted Fish meal in	Compliant		
		b. For FFDRm calculation, exclude fishmeal derived from rendering of seafood by- products (e.g. the "trimmings" from a human consumption fishery. c. Calculate eFCR using formula in Appendix IV-1 (use this calculation also in 4.2.2 option #1). d. Calculate FFDRm using formulas in Appendix IV-1.	feed 19,94 %. D. FFDRm: 0,70. Calculation verified during the audit. E). Info will be submitted to ASC after the production cycle.			
		e. Submit FFDRm to ASC as per Appendix VI for each production cycle.				0.7
	Indicator: Fish Oil Forage Fish Dependency Ratio	Note: Under Indicator 4.2.2, farms can choose to calculate FFDRo (Option #1) or EPA & Client shall inform the CAB which option they will use.	DHA (Option #2). Farms do not have to demonstrate that they meet both threshold values.			
	(FFDRo) for grow-out (calculated using formulas in Appendix IV- 1),	a. Maintain a detailed inventory of the feed used as specified in 4.2.1a.				
	or, Maximum amount of EPA and DHA from direct marine sources [52] (calculated according to	b. For FFDRo and EPA+DHA calculations (either option #1 or option #2), exclude fish oil derived from rendering of seafood by-products (e.g. the "trimmings" from a human consumption fishery.				
	Appendix IV-2) Requirement: FFDRo < 2.52	c. Inform the CAB whether the farm chose option #1 or option #2 to demonstrate compliance with the requirements of the Standard.	This is an initial audit. Period 21.05.20182018-30.04.2019 2018 for 186, feed used 817 tons (EWOS and Biomar), fish produced FCR: 1.06. Total weighted Fishoil in feed 9,11 % (EWOSand Biomar) D. FFDRO: 1,12. e) Calculation verified during the audit f). Info will be submitted to	Compliant		
	or (EPA + DHA) < 30 g/kg feed	d. For option #1, calculate FFDRo using formulas in Appendix IV-1 and using the eFCR calculated under 4.2.1c.	ASC after the production cycle.			
	Applicability: All	e. For option #2, calculate amount of EPA + DHA using formulas in Appendix IV-2.				
		f. Submit FFDRo or EPA & DHA to ASC as per Appendix VI for each production cycle.				1,12
Footnote			are processed for human consumption or if whole fish is rejected for use of human consumption fish suitable for human consumption. immings is not any species that are classified as critically endangered, endangered or vulnerable			egard to

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 16 of 51

		Criter	rion 4.3 Source of marine raw materials		
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):		
4.3.1	Indicator: Timeframe for all fishmeal and fish oil used in feed to come from fisheries [53] certified under a scheme that is an ISEAL member [54] and has guidelines that specifically promote responsible environmental management of small pelagic fisheries Requirement: Not required Applicability: N/A	-		N/A	
Footnote		[53] This standard and standard 4.3.2 applies to fishmeal and oil from forage fisherie	s, pelagic fisheries, or fisheries where the catch is directly reduced (including krill) and not to be	y-products or t	rimmings used in feed.
Footnote		[54] Meets ISEAL guidelines as demonstrated through full n	nembership in the ISEAL Alliance, or equivalent as determined by the Technical Advisory Group	of the ASC.	
4.3.2	Indicator: Prior to achieving 4.3.1, the FishSource score [55] for the fishery(ies) from which all marine raw material in feed is derived Requirement: All individual scores ≥ 6, and biomass score ≥ 6 Applicability: All	Instruction to Clients for Indicator 4.3.2 - FishSource Score of Fish Used in Feed To determine FishSource scores of the fish species used as feed ingredients, do the follo- go to http://www.fishsource.corg/ - type the species into the search function box and choose the accurate fishery -confirm that the search identifies the correct fishery then scroll down or click on the lir For first audits, farms must have scoring records that cover all feeds purchased during t Note: Indicator 4.3.2 applies to fishmeal and oil from forage fisheries, pelagic fisheries, trimmings used in feed. a. Record FishSource score for each species from which fishmeal or fish oil was derived and used as a feed ingredient (all species listed in 4.2.1a). b. Confirm that each individual score ≥ 6 and the biomass score is ≥ 6. c. If the species is not on the website it means that a FishSource assessment is not available. Client can then take one or both of the following actions: 1. Contact FishSource via Sustainable Fisheries Partnerships to identify the species as a priority for assessment. 2. Contract a qualified independent third party to conduct the assessment using the FishSource methodology and provide the assessment and details on the third party qualifications to the CAB for review.	nk from the menu on the left reads "Scores" the previous 6-month period. or fisheries where the catch is directly reduced (including krill) and not to by-products or	Compliant	
Footnote		[55] Or equivalent score using th	ne same methodology. See Appendix IV-3 for explanation of FishSource scoring.	•	
Footnote		[55] Or equivalent score using the	ne same methodology. See Appendix IV-3 for explanation of FishSource scoring.		

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 17 of 51

4.3.3	Indicator: Prior to achieving 4.3.1, demonstration of third-party verified chain of custody and traceability for the batches of fishmeal and fish oil which are in compliance with 4.3.2. Requirement: Yes Applicability: All	from audits of feed producers (see $4.1.1c$) as evidence that traceability systems are in c		Compliant		
4.3.4	Indicator: Feed containing fishmeal and/or fish oil originating from by-products [56] or trimmings from IUU [57] catch or from fish species that are categorized as vulnerable, endangered or critically endangered, according to the IUC Ned List of Threatened Species [58], whole fish and fish meal from the same species and family as the species being farmed Requirement: None [59] Applicability: All except as noted in [59]	a. Compile and maintain, consistent with 4.2.1a and 4.2.2a, a list of the fishery of origin for all fishmeal and fish oil originating from by-products and trimmings. b. Obtain a declaration from the feed supplier stating that no fishmeal or fish oil originating from IUU catch was used to produce the feed. c. Obtain from the feed supplier declaration that the meal or oil did not originate from	Requirement 4.3.4 is included in the GLOBALG.A.P. CFM certification of Ewos. EWOS is GLOBALG.A.P CFM . certified GGN 4050373825744.	Compliant		
4.3.5	Indicator: Presence and evidence of a responsible sourcing policy for the feed manufacturer for marine ingredients that includes a commitment to continuous improvement of source fisheries Requirement: Yes Applicability: All	a. Request a link to a public policy from the feed manufacturer stating the company's support of efforts to shift feed manufacturers purchases of fishmeal and fish oil to fisheries certified under a scheme that is an ISEAL member and has guidelines that specifically promote responsible environmental management of small pelagic fisheries and committing to continuous improvement of source fisheries. b. Prepare a letter stating the farm's intent to source feed containing fishmeal and fish oil originating from fisheries certified under the type of certification scheme noted in indicator 4.3.1. c. Compile a list of the origin of all fish products used as feed ingredients in all feed.	A. EWOS statement " ASC feed declaration and information " date 08. 01.2018 with details of raw material sources in specific feeds for this site in this period have scores according to ASC s requirement for this indicator. Biomar public policy documented 09.01.2018. B. Annual Cermaq Group report 2017 on sustainability policy, requiring feed raw material from sutainable sourcing, (ISEAL scheme fisheries). Code of conduct feed suppliers for Cermaq Group with statement of intent and policy, date 18.01.17.C.	Compliant		
Footnote	[56] Trimmings are defined as by-products when fish are processed for human consumption or if whole fish is rejected for use of human consumption because the quality at the time of landing does not meet official regulations with regard to fish suitable for human consumption.					
Footnote	[57] IUU: Illegal, Unregulated and Unreported.					
Footnote	[58] The International Union for the Conservation of Nature reference can be found at http://www.iucnredlist.org/.					
Footnote	[59] For species listed as "vulnerable" by IUCN, an exception is made if a regional population of the species has been assessed to be not vulnerable in a National Red List process that is managed explicitly in the same science-based way as IUCN. In cases where a National Red List doesn't exist or isn't managed in accordance with IUCN guidelines, an exception is allowed when an assessment is conducted using IUCN's methodology and demonstrates that the population is not vulnerable.					

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 18 of 51

	Criterion 4.4 Source of non-marine raw materials in feed							
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):					
	Indicator: Presence and evidence of a responsible sourcing policy for the feed manufacturer for feed ingredients that comply with recognized crop moratoriums [60] and local laws [61] Requirement: Yes	a. Compile and maintain a list of all feed suppliers with contact information. (See also $4.1.1a$)	A. Regular commercial contact info and websites for EWOS and Biomar. B. EWOS statement " ASC feed declaration and information " date .08. 01.2018 with details of raw material sources in specific feeds for this site in this period have scores according to ASC s requirement for this indicatorC. This is included in the GLOBALG.A.P. CFM certification of Ewos and Biomar.					
4.4.1 m		 b. Obtain from each feed manufacturer a copy of the manufacturer's responsible sourcing policy for feed ingredients showing how the company complies with recognized crop moratoriums and local laws. 		Compliant				
A	Applicability: All	c. Confirm that third party audits of feed suppliers (4.1.1c) show evidence that supplier's responsible sourcing policies are implemented.						
Footnote	[60] Moratorium: A period of time in which there is	s a suspension of a specific activity until future events warrant a removal of the suspens	sion or issues regarding the activity have been resolved. In this context, moratoriums may refer	to suspension	of the growth of defined agricultural crops in defined geographical reg	gions.		
Footnote	[61] Specifically, the policy shall include that vegetal	ble ingredients, or products derived from vegetable ingredients, must not come from a	reas of the Amazon Biome that were deforested after July 24, 2006, as geographically defined b requirement shall be reconsidered.	y the Brazilian	Soy Moratorium. Should the Brazilian Soy Moratorium be lifted, this s	specific		
	Indicator: Percentage of soya or soya-derived ingredients in the feed that are certified by the Roundtable for Responsible Soy (RTRS) or equivalent [62] Requirement: 100% Applicability: All	a. Prepare a policy stating the company's support of efforts to shift feed manufacturers' purchases of soya to soya certified under the Roundtable for Responsible Soy (RTRS) or equivalent.	A. Annual Cermaq Group report 2017 on sustainability policy, requiring feed raw material					
Ro		b. Prepare a letter stating the farm's intent to source feed containing soya certified under the RTRS (or equivalent)	by a certified from sutainable sourcing, (ISEAL scheme fisheries). Code of conduct feed suppliers for Cermaq Group with statement of intent and policy, date 18.0.1.17. B.C. Feed supplier Ewos and Biomar informed about relevant ASC requirements in mail date 18.06.15. D. EWOS: Statement date date 18.01.18 "Traceability, responsible sourcing and origin of soy in EWOS origin of soya in CFM". All soy shall Pro-Terra or RTRS certified soya used in feed is certified by the Roundtable for Responsible Soy (RTRS) or equivalent. Biomar: Doc. statement from 08.01.2018.	Compliant				
4.4.2		c. Notify feed suppliers of the farm's intent (4.4.2b).						
		d. Obtain and maintain declaration from feed supplier(s) detailing the origin of soya in the feed.						
		e. Provide evidence that soya used in feed is certified by the Roundtable for Responsible Soy (RTRS) or equivalent [62]						
Footnote	[62] Any alternate certification scheme would have to be approved as equivalent by the Technical Advisory Group of the ASC.							
th	Indicator: Evidence of disclosure to the buyer [63] of the salmon of inclusion of transgenic [64] plant raw material, or raw materials derived from transgenic plants, in the feed Requirement: Yes, for each individual raw material containing > 1% transgenic content [65]	a. Obtain from feed supplier(s) a declaration detailing the content of soya and other plant raw materials in feed and whether it is transgenic.	A.B. Requirement 4.4.3 is included in the GLOBALG.A.P. CFM certification, Feed manufacturerers is GLOBALG.A.P CFM . Certified, GGN 4050373825744, Biomar GGN 4050373810030 does not include transgenic plant raw material in the feed. C. Info sumitted to ASC					
4.4.3 Re				Compliant				
A	Applicability: All	c. Inform ASC whether feed contains transgenic ingredients (yes or no) as per Appendix VI for each production cycle.						
Footnote	[63] The company or entity to which the farm or the producing company is directly selling its product. This standard requires disclosure by the feed company to the farm and by the farm to the buyer of their salmon.							
Footnote	[64] Transgenic: Containing genes altered by insertion of DNA from an unrelated organism. Taking genes from one species and inserting them into another species to get that trait expressed in the offspring.							
Footnote	[65] See Appendix VI for transparency requirement for 4.4.3.							

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 19 of 51

	Criterion 4.5 Non-biological waste from production						
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):				
4.5.1	Indicator: Presence and evidence of a functioning policy for proper and responsible [66] treatment of non-biological waste from production (e.g., disposal	a. Prepare a policy stating the farm's commitment to proper and responsible treatment of non-biological waste from production. It must explain how the farm's policy is consistent with best practice in the area of operation.	A. Environmental policy for Cermaq Norway AS with referance to other relevant internal documents and reports date 3.7.2018 is ASC compliant. B. Declaration date 23.05.2018, no dumping of non-biological waste in the sea, and procedure "Avfallsplan Cermaq Norway AS version 14" ID 164, d.t 27.03.2018, identifying waste materials and how to handle it. C. This is described in the waste management plan and the above referred procedures D. Waste is not recycled by the farm. This is not practical on a sea farm.	Compliant			
		b. Prepare a declaration that the farm does not dump non-biological waste into the ocean.					
	Requirement: Yes Applicability: All	c. Provide a description of the most common production waste materials and how the farm ensures these waste materials are properly disposed of.					
		d. Provide a description of the types of waste materials that are recycled by the farm.					
Footnote	[66] Proper and responsible disposal will vary based on facilities available in the region and remoteness of farm sites. Disposal of non-biological waste shall be done in a manner consistent with best practice in the area. Dumping of non-biological waste into the ocean does not represent "proper and responsible" disposal.						
4.5.2	Indicator: Evidence that non-biological waste (including net pens) from grow-out site is either disposed of properly or recycled Requirement: Yes Applicability: All Applicability: All A. Provide a description of the most common production waste materials and how the farm ensures these waste materials are properly disposed of. (see also 4.5.1c) b. Provide a description of the types of waste materials that are recycled by the farm. (See also 4.5.1d) c. Inform the CAB of any infractions or fines for improper waste disposal received during the previous 12 months and corrective actions taken	a. Provide a description of the most common production waste materials and how the farm ensures these waste materials are properly disposed of. (see also 4.5.1c)					
			A B. plan for waste materials, date27.03.2018, indentifies waste materials, e.g. paper, big bags from feed, electric waste, dangerous waste, special waste, old productions equipment, etc. The plan identify all receivers and how to proper dispose the waste. C. There is no infractions or fines for improper waste disposal. D. Records from delivery notes and invoices	Compliant			
		for waste materials					
		d. Maintain records of disposal of waste materials including old nets and cage equipment.					

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 20 of 51

		Criterion 4.6 Energy co	nsumption and greenhouse gas emissions on farms [67]				
Footnote	[67] See Appendix VI for transparency requirements for 4.6.1, 4.6.2 and 4.6.3.						
	Indicator: Presence of an energy use assessment	Instruction to Clients for Indicator 4.6.1 - Energy Use Assessment Indicator 4.6.1 requires that farms must have an assessment to verify energy consumption. The scope of this requirement is restricted to operational energy use for the farm site(s) that is applying for certification. Boundaries for operational energy use should correspond to the sources of Scope 1 and Scope 2 emissions (see Appendix V-1). Energy use corresponding to Scope 3 emissions (i.e. the energy used to fabricate materials that are purchased by the farm) is not required. However the SAD Steering Committee encourages companies to integrate energy use assessments across the board in the company. For the purposes of calculating energy consumption, the duration of the production cycle is the entire life cycle "at sea" - it does not include freshwater smolt production stages. Farms that have integrated smolt rearing should break out the grow-out stage portion of energy consumption if possible. Quantities of energy (fuel and electricity) are converted to kilojoules. Verification is done by internal or external assessment following either the GHG Protocol Corporate Standard or ISO 14064-1 (see Appendix V-1 for more details).					
	verifying the energy consumption on the farm and representing the whole life cycle at sea, as outlined in Appendix V-1	Maintain records for energy consumption by source (fuel, electricity) on the farm throughout each production cycle.		Compliant			
4.6.1	Requirement: Yes, measured in kilojoule/t fish produced/production cycle	b. Calculate the farm's total energy consumption in kilojoules (kj) during the last production cycle.					
	Applicability: All	c. Calculate the total weight of fish in metric tons (t) produced during the last production cycle.	The energy use assessment compliant with requirements of Appendix V-1, covers Hamnefjord for generation 18G - so far A Records for energy consumption, from diesel used 5081419080				
		d. Using results from 4.6.1b and 4.6.1c, calculate energy consumption on the farm as required, reported as kilojoule/mt fish/production cycle.	kJ and Electricity 362930724kJ. Total kilojoule used 960960 Kj per ton fish.				
		e. Submit results of energy use calculations (4.6.1d) to ASC as per Appendix VI for each production cycle.					
		f. Ensure that the farm has undergone an energy use assessment that was done in compliance with requirements of Appendix V-1.				960960	
		this requirement is restricted to operational boundaries for the farm site(s) that is apply	nent. Detailed instructions are presented in Appendix V-1 and references therein. The scope of ring for certification. However the SAD Steering Committee encourages companies to be done by internal or external assessment following either the GHG Protocol Corporate				
		Note: For the purposes of this standard, GHGs are defined as the six gases listed in the M(HFCs); perfluorocarbons (PFCs); and sulphur hexafluoride (SF ₆).	(yoto Protocol: carbon dioxide (CO ₂); methane (CH ₄); nitrous oxide (N ₂ O); hydrofluorocarbons				
	GHG assessment, as outlined in Appendix V-1 Requirement: Yes Applicability: All c. For GHG calculations, select the emission fact operation. Document the source of those emiss d. For GHG calculations involving conversion of specify the Global Warming Potential (GWP) us e. Submit results of GHG calculations (4.6.2d) to per year.	a. Maintain records of greenhouse gas emissions on the farm.					
4.6.2		b. At least annually, calculate all scope 1 and scope 2 GHG emissions in compliance with Appendix V-1.	A. Records are available. See 4.6.1. Period 18G so far. B.C.D. Calculation of scope 1 and 2 are calculated. For production cycle 2018G:	Compliant			
		c. For GHG calculations, select the emission factors which are best suited to the farm's operation. Document the source of those emissions factors.	Scope 1: 198622 97 kg CO2				
		d. For GHG calculations involving conversion of non- CO_2 gases to CO_2 equivalents, specify the Global Warming Potential (GWP) used and its source.					
		i i	ssb,no E. Will be submitted to ASC F. GHG assessment is performed annually				
		f. Ensure that the farm undergoes a GHG assessment as outlined in Appendix V-1 at least annually.					
Footnote	[68] For the purposes of this standard, GHGs are defined as the six gases listed in the Kyoto Protocol: carbon dioxide (CO ₂); methane (CH4); nitrous oxide (N ₂ O); hydrofluorocarbons (HFCs); perfluorocarbons (PFCs); and sulphur hexafluoride (SF ₆).						
Footnote	[69] GHG emissions must be recorded using recognized methods, standards and records as outlined in Appendix V.						

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 21 of 51

	Indicator: Documentation of GHG emissions of the feed [70] used during the previous production cycle, as outlined in Appendix V, subsection 2	entire previous production cycle. Therefore farms should inform their feed supplier(s) a - the farm provides its feed suppliers with detailed information about the requirements - the farm explain what analyses must be done by feed suppliers; and - the farm explains to feed suppliers what documentary evidence will be required by th	Feed GHG emissions throughout all production cycles. This requirement applies across the and: including a copy of the methodology outlined in Appendix V, subsection 2; e farm to demonstrate compliance. Apposition used to produce the salmon (by weight) rather than using feed composition on a lot-				
	Requirement: Yes Applicability: All	a. Obtain from feed supplier(s) a declaration detailing the GHG emissions of the feed (per kg feed).					
		b. Multiply the GHG emissions per unit feed by the total amount of feed from each supplier used in the most recent completed production cycle.	A. Declarations and calculations from feed suppliers. Feed supplier: EWOS GGG emission: 498. Biomar 1680.01, Total GHG 2178 CO2 D. Info will be sent to ASC after the end of the	Compliant			
		c. If client has more than one feed supplier, calculate the total sum of emissions from feed by summing the GHG emissions of feed from each supplier.	generation.				
		d. Submit GHG emissions of feed to ASC as per Appendix VI for each production cycle.				2178	
Footnote	[70] GHG emissions from feed can be given based on the average raw material composition used to produce the salmon (by weight) and not as documentation linked to each single product used during the production cycle. Feed manufacturer is responsible for calculating GHG emissions per unit feed. Farm site then shall use that						
		Criterion 4 Compliance Criteria (Required Client Actions):	4.7 Non-therapeutic chemical inputs [71,72] Auditor Evaluation (Required CAB Actions):		T	ı	
Footnote			nets and do not use antifoulants shall be considered exempt from standards under Criterion 4.7	7.			
Footnote			dix VI for transparency requirements for 4.7.1, 4.7.3 and 4.7.4.				
		a. Prepare a farm procedure for net cleaning and treatment that describes techniques,					
	Indiana. Conformable to the second of the	technologies, use of off-site facilities, and record keeping.	A Consideration (Consideration for Install and Association of the Consideration of the Consid				
	Indicator: For farms that use copper-treated nets [73], evidence that nets are not cleaned [74] or		A. Procedure "Prosedyre for kontroll, ettersyn og renhold av not" ID 315, date 22.08.17. Internal statement/procedure on antifouling used and not cleaning in sea defined in				
4.7.1	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment	technologies, use of off-site facilities, and record keeping.	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP	Compliant			
4.7.1	[73], evidence that nets are not cleaned [74] or	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b)	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability	Compliant			
4.7.1	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment Requirement: Yes	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b) that farm policy and practice does not allow for heavy cleaning of copper-treated nets	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP Super, no content of copper C.E Info has been sent to ASC D. Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are	Compliant			
4.7.1 Footnote	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment Requirement: Yes Applicability: All farms except as noted in [71] [73] Under the SAD, "copper-treated net" is defined	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b) that farm policy and practice does not allow for heavy cleaning of copper-treated nets in situ. e. Inform ASC whether copper antifoulants are used on farm (yes or no) as per Appendix VI for each production cycle. as a net that has been treated with any copper-containing substance (such as a copper-base).	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP Super, no content of copper C.E Info has been sent to ASC D. Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are	and-based facil		point prior	
	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment Requirement: Yes Applicability: All farms except as noted in [71] [73] Under the SAD, "copper-treated net" is defined in their lifespan, but the same of	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b) that farm policy and practice does not allow for heavy cleaning of copper-treated nets in situ. e. Inform ASC whether copper antifoulants are used on farm (yes or no) as per Appendix VI for each production cycle. as a net that has been treated with any copper-containing substance (such as a copper-been treated with copper may still consider nets as untreated so long as sufficient time and the company of the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as untreated so l	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP Super, no content of copper C.E. Info has been sent to ASC D. Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. ased antifoulant) during the previous 18 months, or has not undergone thorough cleaning at a last	and-based facil	nmediately having to purchase all new nets.	point prior	
Footnote	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment Requirement: Yes Applicability: All farms except as noted in [71] [73] Under the SAD, "copper-treated net" is defined in their lifespan, but the lifespan lifespan, but the lifespan lifespan lifespan, but the lifespan lifespan lifespan lifespan, but the lifespan lifespa	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b) that farm policy and practice does not allow for heavy cleaning of copper-treated nets in situ. e. Inform ASC whether copper antifoulants are used on farm (yes or no) as per Appendix VI for each production cycle. as a net that has been treated with any copper-containing substance (such as a copper-been treated with copper may still consider nets as untreated so long as sufficient time and the company of the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as sufficient time and the copper may still consider nets as untreated so long as untreated so l	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. 8 Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP Super, no content of copper C.E Info has been sent to ASC D. Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. ased antifoulant) during the previous 18 months, or has not undergone thorough cleaning at a lad cleaning has elapsed as in this definition. This will allow farms to move away from use of cop	and-based facil	nmediately having to purchase all new nets.	point prior	
Footnote	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment Requirement: Yes Applicability: All farms except as noted in [71] [73] Under the SAD, "copper-treated net" is defined in their lifespan, but the same services and services are services as noted in [74]. Light cleaning of netservices are networked in the same services are networked in the same services are networked.	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b) that farm policy and practice does not allow for heavy cleaning of copper-treated nets in situ. e. Inform ASC whether copper antifoulants are used on farm (yes or no) as per Appendix VI for each production cycle. as a net that has been treated with any copper-containing substance (such as a copper-been treated with copper may still consider nets as untreated so long as sufficient time at its allowed. Intent of the standard is that, for example, the high-pressure underwater was	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP Super, no content of copper C.E. Info has been sent to ASC D. Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. ased antifoulant) during the previous 18 months, or has not undergone thorough cleaning at a lidiceaning has elapsed as in this definition. This will allow farms to move away from use of copsishers could not be used on copper treated nets under this standard because of the risk of copper treated nets are used on this site. Washed by Mørenot, Hammerfest. B.C. Mørenot is	and-based facil	nmediately having to purchase all new nets.	point prior	
Footnote Footnote	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment Requirement: Yes Applicability: All farms except as noted in [71] [73] Under the SAD, "copper-treated net" is defined in their lifespan, to provide the same state of the same state of the same states, evidence that net-cleaning sites have effluent	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b) that farm policy and practice does not allow for heavy cleaning of copper-treated nets in situ. e. Inform ASC whether copper antifoulants are used on farm (yes or no) as per Appendix VI for each production cycle. as a net that has been treated with any copper-containing substance (such as a copper-been treated with copper may still consider nets as untreated so long as sufficient time and is allowed. Intent of the standard is that, for example, the high-pressure underwater was a. Declare to the CAB whether nets are cleaned on-land. b. If nets are cleaned on-land, obtain documentary evidence from each net-cleaning	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP Super, no content of copper C.E Info has been sent to ASC D. Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. ased antifoulant) during the previous 18 months, or has not undergone thorough cleaning at a lad cleaning has elapsed as in this definition. This will allow farms to move away from use of consisters could not be used on copper treated nets under this standard because of the risk of copper shers could not be used on copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of copper treated nets under this standard because of the risk of	and-based facil oper without in oer flaking off d	nmediately having to purchase all new nets.	point prior	
Footnote Footnote	[73], evidence that nets are not cleaned [74] or treated in situ in the marine environment Requirement: Yes Applicability: All farms except as noted in [71] [73] Under the SAD, "copper-treated net" is defined in their lifespan, to provide the same series at on-land sites, evidence that net-cleaning sites have effluent treatment [75] Requirement: Yes	technologies, use of off-site facilities, and record keeping. b. Maintain records of antifoulants and other chemical treatments used on nets. c. Declare to the CAB whether copper-based treatments are used on nets. d. If copper-based treatments are used, maintain documentary evidence (see 4.7.1b) that farm policy and practice does not allow for heavy cleaning of copper-treated nets in situ. e. Inform ASC whether copper antifoulants are used on farm (yes or no) as per Appendix VI for each production cycle. as a net that has been treated with any copper-containing substance (such as a copper-been treated with copper may still consider nets as untreated so long as sufficient time at is allowed. Intent of the standard is that, for example, the high-pressure underwater was a. Declare to the CAB whether nets are cleaned on-land. b. If nets are cleaned on-land, obtain documentary evidence from each net-cleaning facility that effluent treatment is in place. c. If yes to 4.7.2b, obtain evidence that effluent treatment used at the cleaning site is an appropriate technology to capture of copper in effluents.	Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. B Documents and traceability available in QMS system and net log from Mørenot. B. The antifoulants used is Netpolish NP Super, no content of copper C.E. Info has been sent to ASC D. Internal statement/procedure on antifouling used and not cleaning in sea defined in procedure and confirm that nets are not cleaned on site. ased antifoulant) during the previous 18 months, or has not undergone thorough cleaning at a lind cleaning has elapsed as in this definition. This will allow farms to move away from use of copsishers could not be used on copper treated nets under this standard because of the risk of copper treated nets are used on this site. Washed by Mørenot, Hammerfest. B.C. Mørenot is subcontracted to do the cleaning and antifouling treatment. Mørenot is certified in	and-based facil oper without in oer flaking off d	nmediately having to purchase all new nets.	point prior	

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 22 of 51

	Indicator: For farms that use copper nets or copper- treated nets, evidence of testing for copper level in	Note: If the benthos throughout and immediately outside the full AZE is hard bottom, p	provide evidence to the CAB and request an exemption from Indicator 4.7.3 (see 2.1.1c).			
	the sediment outside of the AZE, following	a. Declare to the CAB whether the farm uses copper nets or copper-treated nets. (See also 4.7.1c). If "no", Indicator 4.7.3 does not apply.	The farm do not use copper - treated nets. B.C. Concentration of copper in the sediments is			
4.7.3	Requirement: Yes	b. If "yes" in 4.7.3a, measure and record copper in sediment samples from the reference stations specified in 2.1.1d and 2.1.2c which lie outside the AZE.	tested in latest rapport from Akvapian.niva. C test performed by Akvapian.niva date 30.10.2013. Sampling performed at a biomass of approximately 2481 tons. Date of samling	Compliant		,
	Applicability: All farms except as noted in [71]	c. If "yes" in 4.7.3a, maintain records of testing methods, equipment, and laboratories used to test copper level in sediments from 4.7.3b.	13.12.2018. Results CU: from 5,43-5,46,6 mg/kg.			
	Indicator: Evidence that copper levels [76] are < 34 mg Cu/kg dry sediment weight, or.	a. Inform the CAB whether: 1) farm is exempt from Indicator 4.7.4 (as per 4.7.3a), or 2) Farm has conducted testing of copper levels in sediment.				ı
	in instances where the Cu in the sediment exceeds 34 mg Cu/kg dry sediment weight, demonstration that the Cu concentration falls within the range of	b. Provide evidence from measurements taken in 4.7.3b that copper levels are < 34 mg Cu/kg dry sediment weight.				1
4.7.4	background concentrations as measured at three reference sites in the water body Requirement: Yes	c. If copper levels in 4.7.4b are ≥ 34 mg Cu/kg dry sediment weight, provide evidence the farm tested copper levels in sediments from reference sites as described in Appendix I-1 (also see Indicators 2.1.1 and 2.1.2).	All results are < 34 mg Cu/kg dry sediment weight. See 4.7.4. Content of Cu 4,43-4,45 mg/kg.	Compliant		
	Applicability: All farms except as noted in [71] and excluding those farms shown to be exempt from	d. Analyze results from 4.7.4c to show the background copper concentrations as measured at three reference sites in the water body.			,	
	Indicator 4.7.3	e. Submit data on copper levels in sediments to ASC as per Appendix VI for each production cycle.				
Footnote		[76] According to testing required under 4.7.3. The standards	related to testing of copper are only applicable to farms that use copper-based nets or copper-	treated nets.		
	Indicator: Evidence that the type of biocides used in net antifouling are approved according to legislation in the European Union, or the United States, or	a. Identify all biocides used by the farm in net antifouling.				
4.7.5	Australia Requirement: Yes	b. Compile documentary evidence to show that each chemical used in 4.7.5a is approved according to legislation in one or more of the following jurisdictions: the European Union, the United States, or Australia.	A B. Antifouling agent used at net is Netpolish NP Super, datasheet, dated 13.01.2017, supplier NetKem AS. Waterbased liquid with content of micro crystalinic wax, do not contain components to be mentioned according to criteria 3.2 Reach appendix II.	Compliant		
	Applicability: All farms except as noted in [71]	Editopedit office office states, or resident.				

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 23 of 51

PRINCIPLE 5:	NCIPLE 5: MANAGE DISEASE AND PARASITES IN AN ENVIRONMENTALLY RESPONSIBLE MANNER							
			5.1 Survival and health of farmed fish [77]					
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):					
Footnote		[77] See Apper	dix VI for transparency requirements for 5.1.4, 5.1.5 and 5.1.6.					
5.1.1	Indicator: Evidence of a fish health management plan for the identification and monitoring of fish diseases, parasites and environmental conditions relevant for good fish health, including implementing corrective action when required	Prepare a fish health management plan that incorporates components related to identification and monitoring of fish disease and parasites. This plan may be part of a more comprehensive farm planning document.	Site specific Fish Health Plan for Hamnefjord in Intelex with links to relevant procedures, Rev 4, dated 20.09.2018. Fish health plans are updated when there are changes and as a minimum for every generation. Plan covers all aspect of hygiene, infection administration, good water quality, parasite control, handling of chemicals, anaesthesia and HMS related to,	Compliant				
	Requirement: Yes Applicability: All	b. Ensure that the farm's current fish health management plan was reviewed and approved by the farm's designated veterinarian [78].	relevant diseaes and parasite diagnostics and control measures. Internal veterinary services, responsible veterinarian, Approved and signed for Hamnefjord, by veterinarian (Fish Health manager) Karl Fredrik Ottem date 20.09.2018.					
		Maintain records of visits by the designated veterinarian [78] and fish health managers [82]. If schedule cannot be met, a risk assessment must be provided.	A. Minimum 6 veterinary visits annually. System for weekly scheduled meetings covering e.g FH issues. For site Hamnefjord Inpection report 25.04.2019 (4th visit 2019) issued by Nancy Tangen, veterinary, Marin Helse (external vet service) was reviewed. Log of veterinary visits					
	Indicator: Site visits by a designated veterinarian	b. Maintain a current list of personnel who are employed as the farm's designated veterinarian(s) [78] and fish health manager(s) [79].	for site Hamnefjord on system Admin-Control showed that monthly visits had been performed since stocking in May 2018.					
5.1.2	[78] at least four times a year, and by a fish health manager [79] at least once a month Requirement: Yes Applicability: All	c. Maintain records of the qualifications of persons identified in 5.1.2b.	B.C. Veterinarians and fish health biologist are equal for fish health, according to LOV-2001-06- 015-75. For Cermaq Finnmark there are 1 fish health biologist and one veterinarian. In addition external verterinaris from Marin Helse are used. Organization chart for Cermaq Norway Fish Health section REV1/2019 dated 8/1-2019 reviewed. Internal: Fish Health Manager: Karl Fredrik Ottem HPR nr. 7516525, Fish health biologist Benedicte Warland HPR nr 10078071 Vet. Elisabeth Ann Myklebust: HPR No. 6025056 Eksternal: Marin Helse authorisation seen for Nancy Tangen HPR 7643128 and Kine B. Jøraholmen: 10039421	Compliant				
Footnote			2					
Footnote		[79] A fish health manager is someone with professional expertise in managing fish hea	Ith, who may work for a farming company or for a veterinarian, but who does not necessarily ha	ve the authori	ity to prescribe medicine.			
	Indicator: Percentage of dead fish removed and disposed of in a responsible manner	a. Maintain records of mortality removals to show that dead fish are removed regularly and disposed of in a responsible manner.	Mortalities are removed daily and recorded in FishTalk. Dead fish are treated with formic acid (pH 4,0) and collected and disposed in closed tanks on farms. Mortalities are regulary collected and disposed by Scanbio, which is approved for disposal of mortalities. Contract					
5.1.3	Requirement: 100% [80]	b. Collect documentation to show that disposal methods are in line with practices recommended by fish health managers and/or relevant legal authorities.	with Scanbio for handling of all mortalities. Contract signed 22.06.2018 by Werner Gerhardsen.	Compliant				
	Applicability: All	c. For any exceptional mortality event where dead fish were not collected for post- mortem analysis, keep a written justification.	For Hamnefjord "Handelsdokument" RP16263 issued 09.10.2018 was reviewed. This was the last collection of dead fish ensilage from the site.					
Footnote		[80] The SAD recognizes that not all mortality events will result in dead	I fish present for collection and removal. However, such situations are considered the exception	rather than th	e norm.			

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 24 of 51

		Note: Farms are required to maintain mortality records from the current and two previ required. It is recommended that farms maintain a compiled set of records to demonstrate com	ous production cycles. For first audit, records for the current and prior production cycle are pliance with 5.1.3 - 5.1.6.			
	Indicator: Percentage of mortalities that are recorded, classified and receive a post-mortem analysis	a. Maintain detailed records for all mortalities and post-mortem analyses including: - date of mortality and date of post-mortem analysis; - total number of mortalities and number receiving post-mortem analysis; - name of the person or lab conducting the post-mortem analyses; - qualifications of the individual (e.g. veterinarian [78], fish health manager [79]); - cause of mortality (specify disease or pathogen) where known; and - classification as 'unexplained' when cause of mortality is unknown (see 5.1.6).	Detailed records for all mortalities were seen from Fishtalk at the audit, with reason. Mortality rate for Hamnefjord is 4,46% for 18G which is within target for Cermaq Finnmark. Of total mortalities 0,12% was classified as virus and 0% as unknown cause. Known mortalites caused by smoltification and stocking issues, "stunners" and HSS. Mortality rate 14G was 14,09%, where of 0 % was classified as virus and 87,3% as unknown cause. ASC compliant post-mortem analyses are performed and recorded.			
5.1.4	Requirement: 100% [81]	b. For each mortality event, ensure that post-mortem analyses are done on a statistically relevant number of fish and keep a record of the results.		Compliant		
	Applicability: All	c. If on-site diagnosis is inconclusive and disease is suspected or results are inconclusive over a 1-2 week period, ensure that fish are sent to an off-site laboratory for diagnosis and keep a record of the results (5.1.4a).				
		d. Using results from $5.1.3a$ -c, classify each mortality event and keep a record of those classifications.				
		e. Provide additional evidence to show how farm records in 5.1.4a-d cover all mortalities from the current and previous two production cycles (as needed).				
		f. Submit data on numbers and causes of mortalities to ASC as per Appendix VI on an ongoing basis (i.e. at least once per year and for each production cycle).				
Footnote	[81] If on-site diagnosis is inconclusive, this standard r	requires off-site laboratory diagnosis. A qualified professional must conduct all diagnosis	s. One hundred percent of mortality events shall receive a post-mortem analysis, not necessarily	y every fish. A s	statistically relevant number of fish from the mortality event shall be	analyzed.
		a. Calculate the total number of mortalities that were diagnosed (see $5.1.4$) as being related to viral disease.	Mortality rate for Hamnefjord 18G is 4,46% which is within target for Cermaq Finnmark. Of total mortalities 0,12% was classified as virus and 0% as unknown cause.			
515	Indicator: Maximum viral disease-related mortality [82] on farm during the most recent production cycle Requirement: ≤ 10%	 b. Combine the results from 5.1.5a with the total number of unspecified and unexplained mortalities from the most recent complete production cycle. Divide this by the total number of fish produced in the production cycle (x100) to calculate percent maximum viral disease-related mortality. 	Accumulated virus and unknown cause is 0,01% Mortality rate 14G was 14,09%, where of 0 % was classified as virus and 87,3% as unknown cause. Accumulated virus and unknown was 12,3%	Compliant		
	Applicability: All	 Submit data on total mortality and viral disease-related mortality to ASC as per Appendix VI on an ongoing basis (i.e. at least once per year and for each production cycle). 				
Footnote		[82] Viral disease-related mortality count	shall include unspecified and unexplained mortality as it could be related to viral disease.			

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 25 of 51

5.1.6	Indicator: Maximum unexplained mortality rate from each of the previous two production cycles, for farms with total mortality > 6% Requirement: ≤ 40% of total mortalities Applicability: All farms with > 6% total mortality in the most recent complete production cycle.	a. Use records in 5.1.4a to calculate the unexplained mortality rate (%) for the most recent full production cycle. If rate was ≤ 6%, then the requirement of 5.1.6 does not apply. If total mortality rate was > 6%, proceed to 5.1.6b. b. Calculate the unexplained mortality rate (%) for each of the two production cycles immediately prior to the current cycle. For first audit, calculation must cover one full production cycle immediately prior to the current cycle. c. Submit data on maximum unexplained mortality to ASC as per Appendix VI for each production cycle.	The most recent production cycle on Hamnefjord is G18. Of accumulated mortality rate at 4,46%, unexplained mortality rate is 0%, Accumulated virus and unknown cause is 0,1% Last complete cycle (G14): total mortality 14,09% For last production cycle G14 unexplained mortality was 87,3% Accumulated virus and unknown was 12,3%	N/A	Initial audit	
5.1.7	Indicator: A farm-specific mortalities reduction program that includes defined annual targets for reductions in mortalities and reductions in unexplained mortalities Requirement: Yes Applicability: All	Note: Farms have the option to integrate their farm-specific mortality reduction progra a. Use records in 5.1.4a to assemble a time-series dataset on farm-specific mortalities rates and unexplained mortality rates. b. Use the data in 5.1.7a and advice from the veterinarian and/or fish health manager to develop a mortalities-reduction program that defines annual targets for reductions in total mortality and unexplained mortality. c. Ensure that farm management communicates with the veterinarian, fish health manager, and staff about annual targets and planned actions to meet targets.	For Cermaq Norway the defined annual targets is below 4.8 % mortality. For sites situated in Finnmark the annual target is 5,9% mortality and max 10% per production cycle. For Hamnefjord mortality reduction program is incorporated in the Fish Health management plan (dated 20.09.2018) and as part of farm specific risk assessments for Fish welfare, Fish health and Stocking, dated 18.04.2019/ 20.02.2019/ 20.01.2019	Compliant		
		Crit	terion 5.2 Therapeutic treatments [83]			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
Footnote		[83] See Appendix	VI for transparency requirements for 5.2.1, 5.2.5, 5.2.6 and 5.2.10.			
Indicator 5.2	Indicator: On-farm documentation that includes, at a minimum, detailed information on all chemicators (5.2.1 through 5.2.10) under Criterion 5.2. Indicator: On-farm documentation that includes, at a minimum, detailed information on all chemicals [84] and therapeutants used during the most recent production cycle, the amounts used (including grams per ton of fish produced), the dates used, which group of fish were treated and against which diseases, proof of proper dosing, and all disease and pathogens detected on the site Requirement: Yes Applicability: All	to Therapeutic Treatments hemical and therapeutant use. Those records maintained for compliance with 5.2.1, if al a. Maintain a detailed record of all chemical and therapeutant use that includes: - name of the veterinarian prescribing treatment; - product name and chemical name; - reason for use (specific disease) - date(s) of treatment; - amount (g) of product used; - dosage; - t to ffish treated; - the WHO classification of antibiotics (also see note under 5.2.8); and - the supplier of the chemical or therapeutant. b. If not already available, assemble records of chemical and therapeutant use to address all points in 5.2.1a for the previous two production cycles. For first audits, available records must cover one full production cycle immediately prior to the current cycle.	Documentation of all treatments sites in FishTalk and prescriptions from veterinarian. The most recent production cycle on Hamnefjord is G18 with 1 treatment against lice with emamectin benzoate. Treatment 8:14/9-2018 (week 36-37), Receipt prescribed by veterinary Elisabeth Myklebust 20-21.08.2018 - total 20 tons of EWOS Slice Vet Emamectinbenzoat 33mg/kg pellet size 80 and 200. 188,5 tons of Salmo Salar treated, all ponds on site.	Compliant		
Footnote		c. Submit information on therapeutant use (data from 5.2.1a) to ASC as per Appendix VI on an ongoing basis (i.e. at least once per year and for each production cycle).	[84] Chemicals used for the treatment of fish.			_
Toothole			to it commons account the dedithene of fish.			

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 26 of 51

5.2.2	Indicator: Allowance for use of therapeutic treatments that include antibiotics or chemicals that are banned [85] in any of the primary salmon producing or importing countries [86] Requirement: None Applicability: All	a. Prepare a list of therapeutants, including antibiotics and chemicals, that are proactively banned for use in food fish for the primary salmon producing and importing countries listed in [86]. b. Maintain records of voluntary and/or mandatory chemical residue testing conducted or commissioned by the farm from the prior and current production cycles.	A. B Banned substances listed in "Banned substances in Norway, EU, USA Chile, Canada and Japan" and "Forskrift om grenseverdier for legemidler i næringsmidler" "Norwegian regulation/NFSA. Substances banned in marked " In FHP " oversikt MRL for EU, USA, Japan, Kina, Australia og Russia" last revised in January 2019. Statement dt.25.01.2019 - "Medicines and antibiotics allowed by Cermaq Norway". Approved and used substances are referred in Fish Health Plan for site Hamnefjord Doc. dated 20.09.2018, rev 4 with overview of allowed substances. Compliance verified and in accordance with requirements and also in accordance with reports and usage recorded in production system Fishtalk.	Compliant		
Footnote	[85] "Banned" means proactively prohibited by a gove		the primary salmon-producing or importing countries, as defined here, cannot be used in any s recommends that ASC maintain a list of a banned therapeutants.	almon farm ce	rtified under the SAD, regardless of country of production or destinat	tion of the
Footnote		[86] For purposes of this standard, tho	se countries are Norway, the UK, Canada, Chile, the United States, Japan and France.			
5.2.3	prescribed by a veterinarian	Obtain prescription for all therapeutant use in advance of application from the farm veterinarian (or equivalent, see [78] for definition of veterinarian).	100% of prescriptions are issued to site by approved veterinerian/fish health biologist. Reference to point 5.2.2 above for details. Record of prescriptions in system Admincontrol, records in FishTalk, the withdrawal period is 175 day degrees for Slice vet. (emamectin benzoate)	Compliant		
	Requirement: 100% Applicability: All	 Maintain copies of all prescriptions and records of veterinarian responsible for all medication events. Records can be kept in conjunction with those for 5.2.1 and should be kept for the current and two prior production cycles. 				
		a. Incorporate withholding periods into the farm's fish health management plan (see 5.1.1a).	Info on withholding periods included in the veterinarian prescription is recorded in Fishtalk. Withholding periods are then managed through FishTalk where pens are notified/blocked according to days/degreedays withholding period stated in prescription.			
5.2.4	Indicator: Compliance with all withholding periods after treatments Requirement: Yes	b. Compile and maintain documentation on legally-required withholding periods for all treatments used on-farm. Withholding period is the time interval after the withdrawal of a drug from the treatment of the salmon before the salmon can be harvested for use as food.	Witholding periods are also documented in Admincontrol/Sharepoint and on Fish CV for all ponds.	Compliant		
	Applicability: All	c. Show compliance with all withholding periods by providing treatment records (see 5.2.1a) and harvest dates for the most recent production cycle.				
5.2.5	Indicator: Maximum farm level cumulative parasiticide treatment index (PTI) score as calculated according to the formula in Appendix VII	a. Using farm data for therapeutants usage (52.1a) and the formula presented in Appendix VII, calculate the cumulative parasiticide treatment index (PTI) score for the most recent production cycle. Calculation should be made and updated on an ongoing basis throughout the cycle by farm manager, fish health manager, and/or veterinarian.	A. The PTI for 18G is 0,11. Cermaq use VR number 97 to calculate the PTI for a reduced biomass. G18: 1 treatment with slice was performed in period September 2018, in accordance with Appendix V11 and VR 97. PTI for 14G was 12,8	Compliant		
	Requirement: PTI score ≤ 13 Applicability: All	b. Provide the auditor with access to records showing how the farm calculated the PTI score.		,		
		c. Submit data on farm level cumulative PTI score to ASC as per Appendix VI for each production cycle.				

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 27 of 51

	Indicator: For farms with a cumulative PTI ≥ 6 in the most recent production cycle, demonstration that	a. Review PTI scores from 5.2.5a to determine if cumulative PTI ≥ 6 in the most recent production cycle. If yes, proceed to 5.2.6b; if no, Indicator 5.2.6 does not apply. b. Using results from 5.2.5 and the weight of fish treated (kg), calculate parasiticide	Parasiticide load for 18G is 576000000. As this is an initial audit the paraciticide load is not calculated for previous production cycles		Initial audit	
	parasiticide load [87] is at least 15% less that of the	load in the most recent production cycle [90].				
5.2.6	average of the two previous production cycles Requirement: Yes Applicability: All farms with a cumulative PTI ≥ 6 in	c. Calculate parasiticide load in the two previous production cycles as above (5.2.6b) and compute the average. Calculate the percent difference in parasiticide load between current cycle and average of two previous cycles. For first audit, calculation must cover one full production cycle immediately prior to the current cycle.		N/A		
	the most recent production cycle	d. As applicable, submit data to ASC on parasiticide load for the most recent production cycle and the two previous production cycles (Appendix VI).				
Footnote	[87] Parasiticide load = Sum (kg of fis	h treated x PTI). Reduction in load required regardless of whether production increases of	on the site. Farms that consolidate production across multiple sites within an ABM can calculate	reduction base	ed on the combined parasiticide load of the consolidated sites.	
	Indicator: Allowance for prophylactic use of antimicrobial treatments [88]	a. Maintain records for all purchases of antibiotics (invoices, prescriptions) for the current and prior production cycles.	No antibiotics were used during the most recent production cycle. Antibiotics has not been used during the current production cycle			
5.2.7	Requirement: None	b. Maintain a detailed log of all medication-related events (see also 5.2.1a and 5.2.3)		Compliant		
	Applicability: All	c. Calculate the total amount (g) and treatments (#) of antibiotics used during the current and prior production cycles (see also 5.2.9).				
Footnote		[88] The designated veterinarian	must certify that a pathogen or disease is present before prescribing medication.			
		Note 1: Farms have the option to certify only a portion of the fish or farm site when WHO-listed [89] antibiotics have been used at the production facility (see 5.2.8d). To pursue this option, farms must request an exemption from the CAB in advance of the audit and provide sufficient records giving details on which pens were treated and traceability of those treated fish.				
	Note 2: It is recommended that the farm veterinarian review the WHO list [see 89] in detail and be aware that the list is meant to show examples of members of each class of drugs, and is not inclusive of all drugs.					
	Indicator: Allowance for use of antibiotics listed as critically important for human medicine by the	a. Maintain a current version of the WHO list of antimicrobials critically and highly important for human health [89].	An updated OIE WHO list (rev 05) of antimicrobials critically and highly important for human health was seen at the audit from a link in the system.			
5.2.8	World Health Organization (WHO [89]) Requirement: None [90]	b. If the farm has <u>not</u> used any antibiotics listed as critically important (5.2.8a) in the current production cycle, inform the CAB and proceed to schedule the audit.	No antibiotics were used during the most recent production cycle. Antibiotics has not been used during the current production cycle.			
	Applicability: All	c. If the farm <u>has</u> used antibiotics listed as critically important (5.2.8a) to treat any fish during the current production cycle, inform the CAB prior to scheduling audit.	In Fish Health Plan for site a positive list of medication in is included. This is updated annually. If changes in list this will be immediate updated by responsible veterinary.	Compliant		
		d. If yes to 5.2.8c, request an exemption from the CAB to certify only a portion of the farm. Prior to the audit, provide the CAB with records sufficient to establish details of treatment, which pens were treated, and how the farm will ensure full traceability and separation of treated fish through and post- harvest.				
Footnote		[89] The fifth edition of the WHO list of critically and highly important anti-	microbials was released in 2009 and is available at: http://www.who.int/foodsafety/publications	antimicrobia	ls-fifth/en/.	
Footnote		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	of the pens on a farm site, fish from pens that did not receive treatment are still eligible for cert	ification.		
	Indicator: Number of treatments [91] of antibiotics	Note: for the purposes of Indicator 5.2.9, "treatment" means a single course of medicat in one or more pens (or cages).	ion given to address a specific disease issue and that may last a number of days and be applied			
5.2.9	over the most recent production cycle Requirement: ≤ 3	 a. Maintain records of all treatments of antibiotics (see 5.2.1a). For first audits, farm records must cover the current and immediately prior production cycles in a verifiable statement. 	No antibiotics were used during the most recent production cycle. Antibiotics has not been used during the current production cycle. Mattilsynet will automatically be notified and registered if an antibiotic is prescribed by a	Compliant		
	Applicability: All	b. Calculate the total number of treatments of antibiotics over the most recent production cycle and supply a verifiable statement of this calculation.	veterinarian.			
Footnote		[91] A treatment is a single course me	dication given to address a specific disease issue and that may last a number of days.			

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 28 of 51

		Note: Indicator 5.2.10 requires that farms must demonstrate a reduction in load requiracross multiple sites within an ABM can calculate reduction based on the combined ant	ed, regardless of whether production increases on the site. Farms that consolidate production ibiotic load of the consolidated sites.			
	Indicator: If more than one antibiotic treatment is used in the most recent production cycle, demonstration that the antibiotic load [92] is at least	a. Use results from 5.2.9b to show whether more than one antibiotic treatment was used in the most recent production cycle. If not, then the requirement of 5.2.10 does not apply. If yes, then proceed to 5.2.10b.	No antibiotics were used during the most recent production cycle. Antibiotics has not been used during the current production cycle.			
5.2.10	15% less that of the average of the two previous production cycles Requirement: Yes [93]	b. Calculate antibiotic load (antibiotic load = the sum of the total amount of active ingredient of antibiotic used in kg) for most recent production cycle and for the two previous production cycles. For first audit, calculation must cover one full production cycle immediately prior to the current cycle.		N/A		
	Applicability: All	c. Provide the auditor with calculations showing that the antibiotic load of the most recent production cycle is at least 15% less than that of the average of the two previous production cycles.				
		d. Submit data on antibiotic load to ASC as per Appendix VI (if applicable) for each production cycle.				
Footnote		[92] Antibiotic load = th	ne sum of the total amount of active ingredient of antibiotics used (kg).			
Footnote	[93] Reducti	on in load required, regardless of whether production increases on the site. Farms that	consolidate production across multiple sites within an ABM can calculate reduction based on the	combined ant	tibiotic load of the consolidated sites.	
		a. Prepare a procedure which outlines how the farm provides buyers [94] of its salmon with a list of all therapeutants used in production (see 4.4.3b).	Internal Procedure in QMS Traceability procedure defines information flow within the company - Procedure "Prosedyre for utarbeidelse av sporingsdokument på fisk (CV), ID 484, date 14.05.2019. Data from "Product control and tracebility" and Fish CV all treatments are			
	a list of all therapeutants used in production Requirement: Yes Applicability: All	b. Maintain records showing the farm has informed all buyers of its salmon about all therapeutants used in production.	included, anaesthetics used, dates and withdrawal time. Buyers are informed about traceability documentation by FishCV. No fish delivered to customer in current production cycle.	Compliant		
Footnote		[94] Buyer: The company or en	tity to which the farm or the producing company is directly selling its product.			

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 29 of 51

		Criterion 5.3 Resistance	of parasites, viruses and bacteria to medicinal treatments		
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):		
			Il Treatment ected effect. The SAD Steering Committee recognizes that the "expected effect" will vary with ed to review the pre- and post-treatment condition of fish in order to understand and evaluate		
5.3.1	Indicator: Bio-assay analysis to determine resistance when two applications of a treatment have not produced the expected effect Requirement: Yes	whether treatment has produced the expected effect, farm and auditor must review pr treatment did not produce the expected effect and a bio-assay should be performed to	, the farm shall have samples analyzed by an independent laboratory to detemine resistance		
	Applicability: All	cases where the farm uses two successive medicinal treatments. b. Whenever the farm uses two successive treatments, keep records showing how the farm evaluates the observed effect of treatment against the expected effect of treatment. c. For any result of 5.3.1b that did not produce the expected effect, ensure that a bio-	Consecutive medical treatments has not been performed in the current production cycle or in the most recent production cycle. Resistant against lice treatments is tested from sampling of lice and analyse genes of lice, registered in Patogens PATOLINK, gen test from Hammer, 16.1.2019, test for receptive for AZA, Pyretroider and H2O2	Compliant	
		assay analysis of resistance is conducted. d. Keep a record of all results arising from 5.3.1c.			
	Indicator: When bio-assay tests determine resistance is forming, use of an alternative, permitted treatment, or an immediate harvest of all	a. Review results of bio-assay tests (5.3.1d) for evidence that resistance has formed. If yes, proceed to 5.3.2b. If no, then Indicator 5.3.2 is not applicable.	Consecutive medical treatments has not been performed in the current production cycle or in the most recent production cycle.		
5.3.2	fish on the site Requirement: Yes Applicability: All	b. When bio-assay tests show evidence that resistance has formed, keep records showing that the farm took one of two actions: used an alternative treatment (if permitted in the area of operation); or immediately harvested all fish on site.		N/A	

	Criterion 5.4 Biosecurity management [95]						
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):				
Footnote		[95] See Ap	pendix VI for transparency requirements for 5.4.2 and 5.4.4.				
	Indicator: Evidence that all salmon on the site are a single-year class [96]	a. Keep records of the start and end dates of periods when the site is fully fallow after harvest. $ \\$	Single year class can be confirmed by reviewing information Fish Talk and stocking/harvest reports/smoltCV including hatching date/cargo manifests by delivery of smolt.				
5.4.1	Requirement: 100% [97]	b. Provide evidence of stocking dates (purchase receipts, delivery records) to show that there were no gaps > 6 months for smolt inputs for the current production cycle.	For Hamnefjord the most recent fallowing period was 16/3-2016 - 20/5-2018. Last delivery of 14G was 15/3-2016 and stocking for 18G started 21/5 2018	Compliant			
	Applicability: All farms except as noted in [97]	-					
Footnote		[96] Gaps of up to six months between inputs of smolts derived from	the same stripping are acceptable as long as there remains a period of time when the site is fully	fallow after h	arvest.		
Footnote	2) farm sites that have ≥95% water		[97] Exception is allowed for: nplete separation of water between units and no sharing of filtration systems or other systems t nd biosecurity measures for waste to ensure there is no discharge of live biological material to t				
		a. For mortality events logged in 5.1.4a, show evidence that the farm promptly evaluated each to determine whether it was a statistically significant increase over background mortality rate on a monthly basis [98]. The accepted level of significance (for example, p < 0.05) should be agreed between farm and CAB.	No incidents occured. Continous evaluation. No events of UIA category mortality categorised nor suspected at farm. Ref to indicator 5.1.4a for details of monitoring. B.C.D.E.Continuous evaluation. No events of UIA category mortality categorised nor suspected at farm. Ref to indicator 5.1.4a for details of monitoring. System available for prompt publication in website www.cermaq.no.				
	Indicator: Evidence that if the farm suspects an unidentifiable transmissible agent, or if the farm	b. For mortality events logged in 5.1.4a, record whether the farm did or did not suspect (yes or no) an unidentified transmissible agent.	Beredskapsplan Rev 5 - 29.03.2019 document 1154 Part 1.4 gives detailed information on how to act, report and communicate in case of suspision of UIA				
5.4.2	experiences unexplained increased mortality, [98] the farm has: 1. Reported the issue to the ABM and to the appropriate regulatory authority 2. Increased monitoring and surveillance [99] on the	c. Proceed to 5.4.2d if, during the most recent production cycle, either: -results from 5.4.2a showed a statistically significant increase in unexplained mortalities; or -the answer to 5.4.2b was 'yes'. Otherwise, Indicator 5.4.2 is not applicable.	now to acc, report and communicate in case or suspision of our	N/A			
	Requirement: Yes	d. If required, ensure that the farm takes and records the following steps: 1) Report the issue to the ABM and to the appropriate regulatory authority; 2) Increase monitoring and surveillance [99] on the farm and within the ABM; and 3) Promptly (within one month) make findings publicly available.					
		e. As applicable, submit data to ASC as per Appendix VI about unidentified transmissible agents or unexplained increases in mortality. If applicable, then data are to be sent to ASC on an ongoing basis (i.e. at least once per year and for each production cycle).					
Footnote		[98] Increased mortality: A	A statistically significant increase over background rate on a monthly basis.				
Footnote		[99] Primary aim of monitoring and s	urveillance is to investigate whether a new or adapted disease is present in the area.				
Footnote			[100] Within one month.				

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 31 of 51

March Continue of Compliance Continue of the Continue of the Continue of							
a Maintain a current version of the CIE Aqueta, Animal Health Code on the or extract from Contract Agreements of CIE aqueta. Animal Health Code on the contract of CIE aqueta. Animal Health Code on the contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is an advice an aqueta of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract of CIE aqueta. Animal Health Code is a contract contract of CIE aqueta. Animal Health Code is a contract contract of CIE aqueta. Animal Health Code is a contract contract of CIE aqueta. Animal Health Code is a contract contract of CIE aqueta. Animal Health Code is an advice an aqueta contract of CIE aqueta. Animal Health Code is an advice an aqueta contract of CIE aqueta. Animal Health Code is an advice an aqueta contract of CIE aqueta. Animal Health Code is an advice an aqueta contract of CIE aqueta. Animal Health Code is an advice an aqueta contract of CIE aqueta. Animal Health Code is an advice an aqueta contract of CIE aqueta. Animal Health Code is an advice an aqueta contract of CIE aqueta. Animal Health Code is an advice an advice an advice an advice an advice and advice an	5.4.3	Aquatic Animal Health Code [102] Requirement: Yes	Indicator 5.4.3 requires that farms show evidence of compliance with the OIE Aquatic A practices consistent with the intentions of the Code. For purposes of the ASC Salmon SI initiate an aggressive response to detection of an exotic OIE-notifiable disease on the fa of the pathogen)]. An aggressive response will involve, at a minimum, the following act depopulation of the infected site; -implementation of quarantine zones (see note below)in accordance with guidelines in additional actions as required under Indicator 5.4.4. To demonstrate compliance with Indicator 5.4.3, clients have the to option to describe by developing relevant policies and procedures and integrating them into the farm's fits Note: The Steering Committee recognizes that establishment of quarantine zones will I	Animal Health Code (see http://www.oie.int/index.php?id=171). Compliance is defined as farm candard, this means that the farm must have written procedures stating how the farm will arm ['exotic' = not previously found in the area or had been fully eradicated (area declared free ions: from OIE for the specific pathogen; and how farm practices are consistent with the intentions of the OIE Aquatic Animal Health Code is health management plan.			
suarantne zones in accordance with guidelines from OE for the specific pathagen. Quarantne zones will likely incorporate amendatory depopulation of stee doze to the infected size and affect some, though not necessarily all, of the ABM. Exotic signifies not previously found in the area or had been fully eradicated (area declared fee of the pathagen.) Footnote Total Continue on the farm, evidence that: a. Ensure that farm policies and procedures in S.4.3 a describe the four actions required under lindicator 5.4.4 in response to an OEI -notifiable disease or the farm from findicator fill an OEI -notifiable disease or to a notificator 5.4.4 in response to an OEI -notifiable disease or to an OEI -notifiable disease or to a notificator 5.4.4 in response to an OEI -notifiable disease or to an OEI -notifiable disease sea detected; the pencil) with the disease was detected; 2. the farm momentalisty outlied the orthor farms in the ABM enhanced monitoring and object or the two previous production cycles or in the current production cycles or in		Applicability: All	staff have access to the most current version. b. Develop policies and procedures as needed to ensure that farm practices remain consistent with the OIE Aquatic Animal Health Code (5.4.3a) and with actions required	Health Code. VHP "Helseplan for matfiskanlegg" refers to OIE Aquatic Animal Health Code. B. Internal procedure in Intelex on practices in accordance with OIE AHC" Described in VHP, notification of diseases, contingency plan (Beredskapsplan for Cermaq, d.t. 29.03.2019 REV 5, ID 1154) "Notification of diseases". Statment from Cermaq, Adherance to the OIE Aquatiq, Health Code" d.t 25.01.2019, with link to OIE Aquatic Animal Health Code signed fish health manager Karl Fredrik Ottem. Statement	Compliant		
Footnote Total Continue Total Conti							
Footnote Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that: Indicator: if an OIE-notifiable disease [103] is Confirmed on the farm, evidence that is the confirmed on the farm during the current production cycle or the two previous production cycles. If yes, proceed to the pend (in which the disease was confirmed on the farm during an conductor digrous testing for the disease. Indicator: if an OIE-notifiable disease was confirmed on the farm from more production cycles. If yes, proceed to the pend (in which the disease was confirmed on the farm from more production cycles. If yes, proceed to separate production cycles or the was promoted to the current production cycles. If yes, proceed to separate production cycles or the was producted in grous testing for the disease. Indicator: if an OIE-notifiable disease was confirmed on the farm from the ABM (104) and indicator shall be disease was confirmed on the farm in the ABM (104) and indicator shall be disease was confirmed on the farm from the ABM (104) and indicator shall be disease was confirmed on the farm from the ABM (104) and indicator shall be disease was detected; Indicator: if an OIE-notifiable disease was confirmed on the farm in the farm from the ABM (104) and indicator shall be diseased that the farm in the A	Footnote	quarantine zones in accordance with guidelines from	OIE for the specific pathogen. Quarantine zones will likely incorporate mandatory depop		M. Exotic signif	ies not previously found in the area or had been fully eradicated (are	ea declared
Requirement: Yes Applicability: All As applicable; some findings publicly and online family (within the disease range) in which the disease range for each production cycles. If yes, proceed to the person of the fam and the ABM (104) 3 the fam man (the ABM (104) 3 the f	Footnote		[102] OIF 2011 Ac		$\overline{}$		
the ABM [104] 3. the farm and the ABM enhanced monitoring and conducted rigorous testing for the disease 4. the farm promptly [105] made findings publicly available 4. the farm promptly [105] made findings publicly available Requirement: Yes Applicability: All Footnote [103] At the time of publication of the final draft standards, OIE-notifiable diseases relevant to salmon aquaculture were: Epizootic haematopoietic necrosis, Infectious haematopoietic necrosis (IHN), Infectious salmon anemia (ISA), Viral hemorrhagic septicemia (VHS) and Gyrodactylosis (Gyrodactylus salaris). Footnote The ABM [104] 5. the farm and the ABM enhanced monitoring and conducted rigorous testing for the disease was confirmed on the farm. In ABM [104] 3) enhanced monitoring and conducted rigorous testing for the disease; and 4) promptly (within one month) made findings publicly available. d. As applicable, submit data to ASC as per Appendix VI about any OIE-notifiable disease that was confirmed on the farm. If applicable, then data are to be sent to ASC on an on ongoing basis (i.e. at least once per year and for each production cycle). Footnote [103] At the time of publication of the final draft standards, OIE-notifiable diseases relevant to salmon aquaculture were: Epizootic haematopoietic necrosis, Infectious haematopoietic necrosis (IHN), Infectious salmon anemia (ISA), Viral hemorrhagic septicemia (VHS) and Gyrodactylosis (Gyrodactylus salaris). Footnote [104] This is in addition to any notifications to regulatory bodies required under law and the OIE Aquatic Animal Health Code.		1	[102] 612 2011176				
Applicability: All d. As applicable, submit data to ASC as per Appendix VI about any OIE-notifiable disease that was confirmed on the farm. If applicable, then data are to be sent to ASC on an ongoing basis (i.e. at least once per year and for each production cycle). Footnote [103] At the time of publication of the final draft standards, OIE-notifiable diseases relevant to salmon aquaculture were: Epizootic haematopoietic necrosis, Infectious haematopoietic necrosis (IHN), Infectious salmon anemia (ISA), Viral hemorrhagic septicemia (VHS) and Gyrodactylosis (Gyrodactylus salaris). Footnote [104] This is in addition to any notifications to regulatory bodies required under law and the OIE Aquatic Animal Health Code.		confirmed on the farm, evidence that: 1. the farm has, at a minimum, immediately culled the pen(s) in which the disease was detected	a. Ensure that farm policies and procedures in 5.4.3a describe the four actions required under Indicator 5.4.4 in response to an OIE-notifiable disease on the farm. b. Inform the CAB if an OIE-notifiable disease has been confirmed on the farm during the current production cycle or the two previous production cycles. If yes, proceed to	Fish health manager has the responsibility to inform governments if notifiable diseases occur. Beredskapsplan Rev 5 - 29.03.2019 dokument 1154 Part 1.5 give detailed description on how to act and report. Also in Fish Health Plan gives information on how to act, with all diseases described sepeartly C and D N/A as no occurrence of OIE-notifiable diseases in the recent production cycles or in			
Footnote [104] This is in addition to any notifications to regulatory bodies required under law and the OIE Aquatic Animal Health Code.	5.4.4	confirmed on the farm, evidence that: 1. the farm has, at a minimum, immediately culled the pen(s) in which the disease was detected 2. the farm immediately notified the other farms in the ABM [104] 3. the farm and the ABM enhanced monitoring and conducted rigorous testing for the disease 4. the farm promptly [105] made findings publicly	a. Ensure that farm policies and procedures in 5.4.3a describe the four actions required under Indicator 5.4.4 in response to an OIE-notifiable disease on the farm. b. Inform the CAB if an OIE-notifiable disease has been confirmed on the farm during the current production cycle or the two previous production cycles. If yes, proceed to 5.4.4c. If no, then 5.4.4c an 5.4.4d do not apply. c. If an OIE-notifiable disease was confirmed on the farm (see 5.4.4b), then retain documentary evidence to show that the farm: 1) immediately culled the pen(s) in which the disease was detected; 2) immediately notified the other farms in the ABM [104] 3) enhanced monitoring and conducted rigorous testing for the disease; and	Fish health manager has the responsibility to inform governments if notifiable diseases occur. Beredskapsplan Rev 5 - 29.03.2019 dokument 1154 Part 1.5 give detailed description on how to act and report. Also in Fish Health Plan gives information on how to act, with all diseases described sepeartly C and D N/A as no occurrence of OIE-notifiable diseases in the recent production cycles or in			
	5.4.4	confirmed on the farm, evidence that: 1. the farm has, at a minimum, immediately culled the pen(s) in which the disease was detected 2. the farm immediately notified the other farms in the ABM [104] 3. the farm and the ABM enhanced monitoring and conducted rigorous testing for the disease 4. the farm promptly [105] made findings publicly available Requirement: Yes	a. Ensure that farm policies and procedures in 5.4.3a describe the four actions required under Indicator 5.4.4 in response to an OIE-notifiable disease on the farm. b. Inform the CAB if an OIE-notifiable disease has been confirmed on the farm during the current production cycle or the two previous production cycles. If yes, proceed to 5.4.4c. If no, then 5.4.4c an 5.4.4d do not apply. c. If an OIE-notifiable disease was confirmed on the farm (see 5.4.4b), then retain documentary evidence to show that the farm: 1) immediately culled the pen(s) in which the disease was detected; 2) immediately notified the other farms in the ABM [104] 3) enhanced monitoring and conducted rigorous testing for the disease; and 4) promptly (within one month) made findings publicly available. d. As applicable, submit data to ASC as per Appendix VI about any OIE-notifiable disease that was confirmed on the farm. If applicable, then data are to be sent to ASC	Fish health manager has the responsibility to inform governments if notifiable diseases occur. Beredskapsplan Rev 5 - 29.03.2019 dokument 1154 Part 1.5 give detailed description on how to act and report. Also in Fish Health Plan gives information on how to act, with all diseases described sepeartly C and D N/A as no occurrence of OIE-notifiable diseases in the recent production cycles or in			
Footnote [105] Within one month.		confirmed on the farm, evidence that: 1. the farm has, at a minimum, immediately culled the pen(s) in which the disease was detected 2. the farm immediately notified the other farms in the ABM [104] 3. the farm and the ABM enhanced monitoring and conducted rigorous testing for the disease 4. the farm promptly [105] made findings publicly available Requirement: Yes Applicability: All	a. Ensure that farm policies and procedures in 5.4.3a describe the four actions required under Indicator 5.4.4 in response to an OIE-notifiable disease on the farm. b. Inform the CAB if an OIE-notifiable disease has been confirmed on the farm during the current production cycle or the two previous production cycles. If yes, proceed to 5.4.4c. If no, then 5.4.4c an 5.4.4d do not apply. c. If an OIE-notifiable disease was confirmed on the farm (see 5.4.4b), then retain documentary evidence to show that the farm: 1) immediately culled the pen(s) in which the disease was detected; 2) immediately notified the other farms in the ABM [104] 3) enhanced monitoring and conducted rigorous testing for the disease; and 4) promptly (within one month) made findings publicly available. d. As applicable, submit data to ASC as per Appendix VI about any OIE-notifiable disease that was confirmed on the farm. If applicable, then data are to be sent to ASC on an ongoing basis (i.e. at least once per year and for each production cycle).	Fish health manager has the responsibility to inform governments if notifiable diseases occur. Beredskapsplan Rev 5 - 29.03.2019 dokument 1154 Part 1.5 give detailed description on how to act and report. Also in Fish Health Plan gives information on how to act, with all diseases described sepeartly C and D N/A as no occurrence of OIE-notifiable diseases in the recent production cycles or in the current production cycles.	Compliant	norrhagic septicemia (VHS) and Gyrodactylosis (Gyrodactylus salaris).	
	Footnote	confirmed on the farm, evidence that: 1. the farm has, at a minimum, immediately culled the pen(s) in which the disease was detected 2. the farm immediately notified the other farms in the ABM [104] 3. the farm and the ABM enhanced monitoring and conducted rigorous testing for the disease 4. the farm promptly [105] made findings publicly available Requirement: Yes Applicability: All	a. Ensure that farm policies and procedures in 5.4.3a describe the four actions required under Indicator 5.4.4 in response to an OIE-notifiable disease on the farm. b. Inform the CAB if an OIE-notifiable disease has been confirmed on the farm during the current production cycle or the two previous production cycles. If yes, proceed to 5.4.4c. If no, then 5.4.4c an 5.4.4d do not apply. c. If an OIE-notifiable disease was confirmed on the farm (see 5.4.4b), then retain documentary evidence to show that the farm: 1) immediately culled the pen(s) in which the disease was detected; 2) immediately notified the other farms in the ABM [104] 3) enhanced monitoring and conducted rigorous testing for the disease; and 4) promptly (within one month) made findings publicly available. d. As applicable, submit data to ASC as per Appendix VI about any OIE-notifiable disease that was confirmed on the farm. If applicable, then data are to be sent to ASC on an ongoing basis (i.e. at least once per year and for each production cycle).	Fish health manager has the responsibility to inform governments if notifiable diseases occur. Beredskapsplan Rev 5 - 29.03.2019 dokument 1154 Part 1.5 give detailed description on how to act and report. Also in Fish Health Plan gives information on how to act, with all diseases described sepeartly C and D N/A as no occurrence of OIE-notifiable diseases in the recent production cycles or in the current production cycles.	Compliant	norrhagic septicemia (VHS) and Gyrodactylosis (Gyrodactylus salaris).	

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 32 of 51

	Social requirements in the standards shall be audited by an individual who is a lead auditor in conformity with SAAS Procedure 200 section 3.1.							
PRINCIPLE 6:	DEVELOP AND OPERATE FARMS IN A SOCIALLY RESPO							
		6.1 Freedom of association and collective bargaining [106] Compliance Criteria						
Footnote								
rootilote			l conective (write	ten) agreements.				
6.1.1	Indicator: Evidence that workers have access to trade unions (if they exist) and union representative(s) chosen by themselves without managerial interference Requirement: Yes Applicability: All	The Freedom of Association is stated in the Norwegian labour law. It is included in all contracts that workers has the freedom to join any trade union. Approx 38 % of the employees in Cermaq Finnmark are organized in Fellesforbundet (farm operators) and Lederne (farm managers). These are the main organisation for employees in the aquaculture industry. The union representatives in Cermaq Finnmark has chosen Svein Hugo Hansen, farm operator, as their representative. Interviews during the audit confirmes that they are free to speak openly together, have meetings and contact their union at any time if they want to. The interviews with the employees give no indication of conflicts within the company. There is a good dialog and regularly meetings between the management and the employees. Safety representative for Hamnefjord (and Husfjord) is Fredrik Niska. He was elected among the workers on site. An overview of all safety representatives in Cermaq Finnmark can be found on intranet Casa, last updated december 2018	Compliant					
6.1.2	Indicator: Evidence that workers are free to form organizations, including unions, to advocate for and protect their rights Requirement: Yes Applicability: All	Employment contracts specifically states the right of freedom of association. The Freedom of Association is stated in the Norwegian labour law. B. Cermaq has created WEB based Personal handbook on system Casa, which states the right of association. Cermaq has implemented code of conduct where freedom to form unions and organizations are covered in part 8.2.3.2C. Interview with employees confirms that Cermaq Hamnefjord is compliant with respect to 6.1.2	Compliant					
6.1.3	Indicator: Evidence that workers are free and able to bargain collectively for their rights Requirement: Yes Applicability: All	A. Trade union representative confirms no outstanding cases against the farm site management for violations to the right of Freedom of associations. B. Collective bargaining is implemented via consultations and Tariff agreement with Trade unions. C. Collective bargaining is implemented via consultations and Tariff agreement with Trade unions. Interview with employees confirms that Cermaq Hamnefjord is compliant with respect to 6.1.3. Agreement from last bargain session with management was reviewed during audit	Compliant					
		Criterion 6.2 Child labor						
		Compliance Criteria						
6.2.1	Indicator: Number of incidences of child [107] labor [108] Requirement: None Applicability: All except as noted in [107]	At the audit time no young workers below 18 years are employed. In Norway young workers under education between 16-18 years can be employed. The farm has age records for all employees. Cermaq Norway has a procedure for young workers 15-18 years, doc no. 147, dated 19.01.2018. Separate risk assessments have been conductet for young workers, available on Intelex for each site Code of conduct part 8.3.2 includes child labour policies	Compliant					
Footnote	[107] Child: Any person und	ler 15 years of age. A higher age would apply if the minimum age law of an area stipulates a higher age for work or mandatory schooling. Minimum age may be 14 if the country allows	it under the de	eveloping country exceptions in ILO convention 138.				
Footnote		[108] Child Labor: Any work by a child younger than the age specified in the definition of a child.						

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 33 of 51

	T			1	
6.2.2	Indicator: Percentage of young workers [109] that are protected [110] Requirement: 100% Applicability: All	No workers below 18 years old. The farm has age records for all emloyees, and time sheets are maintained	Compliant		
Footnote		[109] Young Worker: Any worker between the age of a child, as defined above, and under the age of 18.			L
Footnote	[110] Protected: Workers b	etween 15 and 18 years of age will not be exposed to hazardous health and safety conditions; working hours shall not interfere with their education and the combined daily transporta	tion time and so	chool time, and work time shall not exceed 10 hours.	
Footnote		[111] Hazard: The inherent potential to cause injury or damage to a person's health (e.g., unequipped to handle heavy machinery safely, and unprotected exposure t	to harmful chen	nicals).	
Footnote	[112] Hazardous work	: Work that, by its nature or the circumstances in which it is carried out, is likely to harm the health, safety or morals of workers (e.g., heavy lifting disproportionate to a person's body	size, operating l	heavy machinery, exposure to toxic chemicals).	
		Criterion 6.3 Forced, bonded or compulsory labor			
		Compliance Criteria			
6.3.1	Indicator: Number of incidences of forced, [113] bonded [114] or compulsory labor Requirement: None Applicability: All	A.B.C.D.E.F. Contracts are understood. Contracts do not lead to workers being indebted. Trainings are paid by the company without obligations from workers to compensate if they are leaving the company.	Compliant		
Footnote	[113] Forced (Compulsory) labor: All work or service t	hat is extracted from any person under the menace of any penalty for which a person has not offered himself/herself voluntarily or for which such work or service is demanded as a re rights and privileges or restriction of movement (e.g., withholding of identity documents).	payment of deb	ot. "Penalty" can imply monetary sanctions, physical punishment, or	the loss of
Footnote		[114] Bonded labor: When a person is forced by the employer or creditor to work to repay a financial debt to the crediting agency.			
		Criterion 6.4 Discrimination [118]			
		Compliance Criteria			
Footnote	[115] Discrimination: Any distinction, exclusion or	preference that has the effect of nullifying or impairing equality of opportunity or treatment. Not every distinction, exclusion or preference constitutes discrimination. For instance, a discrimination in favor of people from certain underrepresented groups may be legal in some countries.	merit- or perfor	rmance-based pay increase or bonus is not by itself discriminatory. P	Positive
6.4.1	Indicator: Evidence of comprehensive [116] and proactive anti-discrimination policies, procedures and practices Requirement: Yes Applicability: All	A. Cermaq Ethical guidelines /Code of conduct (last revision 2015-12-14) and Whistle blowing procedure date 16.8.2017 covers includes the anti-discrimination policy. B. Whistle blowing procedure (2017-08-16) is implemented. No discrimination cases reported. The complaints are managed according Conflict management procedure ID 429 last rev. 2017-02-25. C. The equal access to job opportunities is provided. The equal pay principle is followed. The job vacancies are published on intranet. The Tariff agreement defines local salary grades and payment condition equal for all employees to get same salary for the same job and taking into consideration experience. D. The trainings of site manager and farm workers are included in competence list. A course has been held for all managers related to anti discrimination and equal rights between sexes. Awareness of discrimination is included in introductionary course for all employees, and code of conduct displayed at every site	Compliant		
Footnote	[116] Employers shall have writ	ten anti-discrimination policies stating that the company does not engage in or support discrimination in hiring, remuneration, access to training, promotion, termination or retiremen	t based on race	e, caste, national origin, religion, disability, gender, sexual orientation	n, union mer
6.4.2	Indicator: Number of incidences of discrimination Requirement: None Applicability: All	A. No cases identified. B. The rights of employees are respected. During interview no discrimination cases were reported.	Compliant		

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 34 of 51

	Criterion 6.5 Work environment health and safety						
		Compliance Criteria					
6.5.1	Indicator: Percentage of workers trained in health and safety practices, procedures [117] and policies on a yearly basis Requirement: 100%	HSE system and all procedures related to HSE is managed through system Intelex where all employees have access. A training log for all course, certificates and training is developed and maintained for all employees. This is kept at site, and on web based system. A training log and all certificates was reviewed for an operator at site Hamnefjord. Annual training and updates are performed. Logs reviewed at site Sites Hamnefjord and Husfjord had performed training together, and records of following training was reviewed: Fire 13/8-18, First aid 13/3.2019, Man overboard 22/9.2019, Fish escapes 23/9.2019	Compliant				
Ctt-	Applicability: All	1177 Health and or fety training shall include a programmy ser	nonco procedu	vers and practices			
Footnote		[117] Health and safety training shall include emergency res	ponse procedu	•			
6.5.2	Indicator: Evidence that workers use Personal Protective Equipment (PPE) effectively Requirement: Yes Applicability: All	A procedure is developed for use of PPE, doc no. 82, dated 02.01.2019, and distributed in Intelex together with a log for control of PPE, doc no. 83 dated 06.03.2019. Training in use of PPE is performed and signed of as part of HSE introduction course. All training are recorded. PPE is provided to all employees, free of charge. A separate procedure "Prosedyre for bruk av arbeidsutstyr", doc no 1065 dated 23.11.2018 for training in use of tools and work equipment is developed to ensure compliance with Norwegian regulation "Forskrift om utførelse av arbeid §10-2", including templates for recording such training. None of the operators interviewed on site had received training according to this, and no records were available to confirm compliance	Minor	Requirements stated in Cermaq internal procedure "Prosedyre for bruk av arbeidsutstyr", doc no 1065 dated 23.11.2018 and Norwegian regulation "Forskrift om utførelse av arbeid §10-2" related to documented training in use of tools and work equipment are not implemented at site. Non of the operators interviewed had received training according to this, and no records were available to confirm compliance			
6.5.3	Indicator: Presence of a health and safety risk assessment and evidence of preventive actions taken Requirement: Yes Applicability: All	A. The procedure for risk assessment, doc no 366 dated 28.05.2018 is implemented. Last review of risks assessment at site Hamnefjord took place in 20.02 2019 where two operators and site manager participated. B. Employees are trained and annual refreshment trainings are organised during risk analysis. Training records are maintained. Last evaluation of the H&S risks and the training for employees took place 20.02.2019. The safe job analysis is done prior to all major works on the site with definitions of risks and their management measures. C. Monthly H&S committee meetings are discussing the need to update the procedures based on practices or OHS incidents accidents. Minutes of meetings are maintained. The site manager has possibility to suggest changes to procedure. The following topics were covered during last Risk assessment at site: Work on boat and ponds, Work on fleet, Lice treatment operations, Maintenence, workshop activities and handling of chemicals During site visit at Hamnefjord barge there were found that some mandatory preventive actions were not implemented	Minor	The following preventive items were found missing during site inspection at Hamnefjord barge 20.05.2019: - Missing eye shower kit by all cabinets and containers where chemicals are stored - Safety data sheets for chemicals in chemical cabinet in workshop missing - Formic acid tank not locked			
6.5.4	Indicator: Evidence that all health- and safety- related accidents and violations are recorded and corrective actions are taken when necessary Requirement: Yes Applicability: All	A. Company level electronic database INTELEX is used to report for all H&S and environmental accidents and near accidents. Monthly H&S report is generated. Sites have monthly discussions on H&S accidents, incidents and near misses form site and the report. B. Company level electronic database INTELEX is managed with records for all H&S and environmental accidents and near accidents and their investigation. C. Corrective action plans are managed by INTELEX. D. The analysis is understood and improvements are implemented. An emergency preparedness plan for Cermaq Norway, doc no 1154 dated 29.?-2019 is implemented. Notification of accidents and incidents are covered in point 1.1. An alarm plan is present at site, and displayed in all main areas. Non- conformance reporting system in Intelex showed registrations made by site operators.	Compliant				
6.5.5	Indicator: Evidence of employer responsibility and/or proof of insurance (accident or injury) for 100% of worker costs in a job-related accident or injury when not covered under national law Requirement: Yes Applicability: All	A. Employer liability insurance is mandatory for all companies in Norway. Insurance is provided. Temporary employees are provided with accident insurance. Insurance company Protector. Health Insurance agreement number: 186755 with validity period from 01.07.2018 to 30.06.2019. A pension insurance system is provided for all employees through Nordea Liv, agreement 513404	Compliant				
6.5.6	Indicator: Evidence that all diving operations are conducted by divers who are certified Requirement: Yes Applicability: All	Note: If the farm outsources its diving operations to an independent company, the farm shall ensure that auditors have access to specified information sufficient to demonstrate compliance with Indicator 6.5.6. It is the farm's responsibility to obtain copies of relevant documentation (e.g. certificates) from the dive company. A. The diving activities procedure is in use (rev. 02.11.2018). The farm has records of diving activities. Diving operations performed by subcontractor AQS and Barentsdykk AS. Supplier qualification record for AQS signed 24.05.2016 by AQS TQM coordinator Example of diving record on Hamnefjord 15.05.2019 seen. Diver Pavel Vesselov. Diving certificate issued 17.7.2012, health declaration dated 13.05.2019. B. Copies of divers' certificates are maintained	Compliant				

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 35 of 51

		Criterion 6.6 Wages			
6.6.1	Indicator: The percentage of workers whose basic wage [118] (before overtime and bonuses) is below the minimum wage [119] Requirement: 0 (None) Applicability: All	A. Documents are available at the company. The Tariff agreement sets the minimum salary. B. Wages meet legal minimum wage according Tariff agreement and contracts with local trade unions. C. The information is available per employee. Documentary evidence is in place.	Compliant		
Footnote		[118] Basic wage: The wages paid for a standard working week (no more than 48 hours).			
Footnote		[119] If there is no legal minimum wage in a country, basic wages must meet the industry-standard minimum wage.			
6.6.2	Indicator: Evidence that the employer is working toward the payment of basic needs wage [120] Requirement: Yes Applicability: All	A. Cermaq has performed an assessment of the cost of living. B. The calculations and comparison are done. The comparison with wages was conducted. The company wages are above the basic needs wage. C. Documentary evidence was seen at the audit which confirms that Cermaq Hamnefjord pay a salaries which are beyond the basic needs wage. Payroll and time sheets were seen at the audit for the farm workers	Compliant		
Footnote	[120] Basi	c needs wage: A wage that covers the basic needs of an individual or family, including housing, food and transport. This concept differs from a minimum wage, which is set by law and	may or may not	t cover the basic needs of workers.	
6.6.3	Indicator: Evidence of transparency in wage-setting and rendering [121] Requirement: Yes Applicability: All	A. The contracts of employees has appendix defining the bonus application. The bonuses are defined in Bonus document. B. The method for setting wages is understood by workers. C. Wages are transferred to personal bank accounts. D. Interview with the employees confirms that Cermaq Hamnefjord is compliant with respect to 6.6.3	Compliant		
Footnote		[121] Payments shall be rendered to workers in a convenient manner.	ı		
		Compliance Criteria			
6.7.1	Indicator: Percentage of workers who have contracts [122] Requirement: 100% Applicability: All	A. Contracts available, records maintained. B. No evidences. C. Interview with the employees confirms that Cermaq Hamnefjord is compliant with respect to 6.7.1.	Compliant		
Footnote		se apprenticeship schemes are not acceptable. This includes revolving/consecutive labor contracts to deny benefit accrual or equitable remuneration. False Apprenticeship Scheme: Th apprenticeship if its purpose is to underpay people, avoid legal obligations or employ underage workers. Labor-only contracting arrangement: The practice of hiring workers without e wages or the provision of legally required benefits, such as health and safety protections.			
6.7.2	Indicator: Evidence of a policy to ensure social compliance of its suppliers and contractors Requirement: Yes Applicability: All	A.B. The Ethical and corporate responsibility policy has statements of evaluation of suppliers and subcontractors. Procedure for Classification of suppliers (Document ID 644) date 06.03.2016 is used to classify suppliers as critical or non-critical. B. Supplier qualification procedure ID316 applies, and risk matrix for suppliers are implemented. The evaluation criteria is defined in procedure of classification of suppliers and sub-contractors. C. Cermaq has sent the Ethical and corporate responsibility policy to suppliers and contractors. (Cermaq Code of Conduct suppliers dated January 2017 and Cermaq principles for supplier behavior)	Compliant		

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 36 of 51

		Criterion 6.8 Conflict resolution				
		Compliance Criteria				
6.8.1	Indicator: Evidence of worker access to effective, fair and confidential grievance procedures Requirement: Yes Applicability: All	Compliant				
6.8.2	Indicator: Percentage of grievances handled that are addressed [123] within a 90-day timeframe Requirement: 100% Applicability: All	A. The system of handling of grievances, complaints and labour conflicts is implemented. B. The system of handling of grievances, complaints and labour conflicts is implemented. Documentation is maintained. C. No compliants / grievances has been received by farm workers or subcontractors	Compliant			
Footnote		[123] Addressed: Acknowledged and received, moving through the company's process for grievances, corrective action taken when necessary.				
		Criterion 6.9 Disciplinary practices				
		Compliance criteria				
6.9.1	Indicator: Incidences of excessive or abusive disciplinary actions Requirement: None Applicability: All	A. Covered in Code of Conduct. The employer does not use excessive or abusive disciplinary actions. No cases of improper disciplinary behaviour, no warnings were issued. B. No cases identified. C. interview with the employees confirms that Cermaq Hamnefjord is compliant with respect to 6.9.1.	Compliant			
Footnote		[124] Mental Abuse: Characterized by the intentional use of power, including verbal abuse, isolation, sexual or racial harassment, intimidation or threat of p	hysical force.			
6.9.2	Indicator: Evidence of a functioning disciplinary action policy whose aim is to improve the worker [125] Requirement: Yes Applicability: All	A. Disciplinary policy is defined in Personal handbook. The verbal and written disciplinary warnings may be used in case of misbehaviour during the work. Company has the working disciplinary system. Workers confirmed understanding and fairness of disciplinary policy. B. Internal work regulations are given and sigend by all employees.	Compliant			
Footnote	11251 If disciplinary action is required, progressive verbal and written warnings shall be engaged. The aim shall always be to improve the worker; dismissal shall be the last resort. Policies for bonuses, incentives, access to training and promotions are clearly stated and understood, and not used arbitrarily. Fines or basic wage					

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 37 of 51

	Criterion 6.10 Working hours and overtime							
		Compliance criteria						
	Indicator: Incidences, violations or abuse of working hours and overtime laws [126]	Note: Working hours, night work and rest periods for workers in agriculture should be in accordance with national laws and regulations or collective agreements (e.g. The Safety and Health in Agriculture Convention, 2001). Additional information can be found on the website of the International Labour Organization (www.ilo.org).						
	Requirement: None Applicability: All	A. The time scheme 1:1 is used. (7 days x 10 hours and 7 days-off). It is approved by ASC. The OT limits are defined by Labour law and Tariff agreement. B. Workers are registering working hours daily into Capitech system. Site manager approves. Working hours are within allowed limits. C. The work in shifts is applied and agreed by workers. D. Interview has confirmed no abuse of working time and overtime amounts. Verified on pay slips	Compliant					
Footnote		[126] In cases where local legislation on working hours and overtime exceed internationally accepted recommendations (48 regular hours, 12 hours overtime), the international process of the commendation of t	tional standard	ls will apply.				
6.10.2	Indicator: Overtime is limited, voluntary [127], paid at a premium rate [128] and restricted to exceptional circumstances Requirement: Yes Applicability: All except as noted in [130]	or: Overtime is limited, voluntary [127], paid emium rate [128] and restricted to exceptional stances A. Overtime for workers is paid at premium rate. Evidence payslips. B. The procedure for working hours was developed (2017-10). The timesheets are managed in Capitech system C. Interviews confirms that all overtime is voluntary.						
Footnote		[127] Compulsory overtime is permitted if previously agreed to under a collective bargaining agreement.						
Footnote		[128] Premium rate: A rate of pay higher than the regular work week rate. Must comply with national laws/regulations and/or industry standard	S.					
		Criterion 6.11 Education and training						
		Compliance criteria						
6.11.1	Indicator: Evidence that the company regularly performs training of staff in fish husbandry, general farm and fish escape management and health and safety procedures Requirement: Yes Applicability: All	A. Company encourages the workers to participate in additional training based on Work environment policy. The Tariff agreement define the support that company would provide for employees. B. Training records maintained on site and Intelex system. C.Interview confirms that company supports education initiatives. Site manager performs appraisals with all employees annually, last performed in April and May 2019 for Hamnefjord. Registered in Simployer web based system	Compliant					
		Criterion 6.12 Corporate policies for social responsibility						
		Compliance criteria						
6.12.1	Indicator: Demonstration of company-level [129] policies in line with the standards under 6.1 to 6.11 above Requirement: Yes Applicability: All	A. Company level policies are available and are in line with requirements of the standard. B. Policies are approved. C. The policies cover all company operations. D. The access is provided. Policies and code of conduct where displayed at site	Compliant					
Footnote	[129] Applies to the headquarters of the company in a region or country where the site applying for certification is located. The policy shall relate to all of the company's operations in the region or country, including grow-out, smolt production and processing facilities.							

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 38 of 51

Social requirements in the standards shall be audited by an individual who is a lead auditor in conformity with SAAS Procedure 200 section 3.1.							
BE A GOOD NEIGHBOR AND CONSCIENTIOUS CITIZEN							
	Criterion 7.1 Community engagement						
	Compliance Criteria						
Indicator: Evidence of regular and meaningful [130] consultation and engagement with community representatives and organizations Requirement: Yes Applicability: All	minutes of meeting was seen at the audit. Annual stakeholder meeting planned date 13.06.2019 in Hammerfest. List of invited was seen at the audit. The list of invited included representatives from the local community, NGOs, fisheries, indegnous groups and Cermaq employees. B. Consultations included main points required by the standard. Cermaq has last period participated on "Bolyst", NM cross country skiing in Alta, Finnmarksløpet and Arctic Race of Norway. C. The participants from local community have participated in consultation. They were invited to contribute to the agenda. D. Consultations have included main points required by the standard. Potential health risks of therapeutic treatments were mentioned during consultation meeting. The risks related to external environment and people were well defined. E. The invitation and minutes of meeting are available. F. Stakeholders were invited to participate in the audit	Compliant					
	A						
community stakeholders and organizations	received. D. Stakeholders were invited to participate in the audit by BVCDK and Cermaq, Hamnefjord. But no stakeholders came to the audit. Representatives from the local	Compliant					
	[131] Effective: In order to demonstrate that the mechanism is effective, evidence of resolutions of complaints can be given.						
notential health risks from freatments		Compliant					
pp	[132] Signage shall be visible to mariners and, for example, to fishermen passing by the farm.		•				
	Indicator: Evidence of regular and meaningful [130] consultation and engagement with community representatives and organizations Requirement: Yes Applicability: All Indicator: Presence and evidence of an effective [131] policy and mechanism for the presentation, treatment and resolution of complaints by community stakeholders and organizations Requirement: Yes Applicability: All Indicator: Evidence that the farm has posted visible notice [132] at the farm during times of therapeutic treatments and has, as part of consultation with communities under 7.1.1, communicated about potential health risks from treatments Requirement: Yes	Citerion 7.1 Community engagement A Annual newsletter sent 05.03.2019 to approximatly 30 potential stakeholders (officials, private, NGO's, indegnous groups) locally, regionally and nationally. List of receivers and molicator: Evidence of regular and meaningful [130] minutes of meeting was seen at the audit. Annual newsletter sent 05.03.2019 to approximatly 30 potential stakeholders (officials, private, NGO's, indegnous groups) locally, regionally and nationally. List of receivers and molicator. Evidence of regular and meaningful [130] minutes of meeting was seen at the audit. The list of invited included representatives from the local community, NGOs, fisheries, indegnous groups and Cermaq employees. B. Consultations included main points required by the standard. Cermaq has last period participated on "Bolyst", NM cross country skinig in Alta, Finnmarksispet and Arctic Race of Norway, C. The participants from local community have participated on "Bolyst", NM cross country skinig in Alta, Finnmarksispet and Arctic Race of Norway, C. The participants from local community were invited to consultation. They were invited to consultation meeting. The risks related to external environment and people were well defined, E. The invitation and minutes of meeting are available. F. Stakeholders were invited to participate in the audit. A The complaints by community stakeholders and organizations Requirement: Yes Applicability: All A The complaints could be delivered via company e-mail, company workers or whistle blowing channel on web page or intranet. B.C. No complaints related to farm has been received. D. Stakeholders were invited to participate in the audit by BVCDK and Cermaq, Hamnefjord. But no stakeholders came to the audit. Representatives from the local community were therefore not interviewed as part of the audit. [31] Effective: In order to demonstrate that the mechanism is effective, evidence of resolutions of complaints can be given. Indicator: Evidence that the farm has posted visuble notice [132] at	**Compliance Criteria **Li Community engagement (130) Indicator: Evidence of regular and meaningful [130] Annual newsletter sent 05.03.2019 to approximatly 30 potential stakeholders (officials, private, NGO's, indegnous groups) locally, regionally and nationally. List of receivers and minutes of meeting was seen at the audit. Annual newsletter sent 05.03.2019 in hammerfest. List of invited was seen at the audit. The list of invited included representatives from the local community, NOS, fisheries, indegnous groups and Cermag employees. B. Consultations included main points required by the standard. Cermag has last period participated on "Bolyst", NM cross country sking in Alla, Inmana/skippet and Arctic Race of Norway. The participants from local community have seen emotioned during consultation meeting. The risks related to external environment and people were well defined. E. The invitation and minutes of meeting are available. F. Stakeholders were invited to participate in the audit by BVCDX and Cermag, Hammefjord. But no stakeholders came to the audit. Representatives from the local community were therefore not interviewed as part of the audit. Representatives from the local community were therefore not interviewed as part of the audit. A. The complaints could be delivered via company e-mail, company workers or whistle blowing channel on web page or intranet. B.C. No complaints related to farm has been received. D. Stakeholders were invited to participate in the audit by BVCDX and Cermag, Hammefjord. But no stakeholders came to the audit. Representatives from the local community were therefore not interviewed as part of the audit. A. The complaints could be delivered via company e-mail, company workers or whistle blowing channel on web page or intranet. B.C. No complaints related to farm has been received. D. Stakeholders were invited to participate in the audit by BVCDX and Cermag, Hammefjord. But no stakeholders came to the audit. Representatives from the local community were therefore not interviewe	Compliance Citerian 7.1 Community engagement Compliance Citeria 8 A. Annual exalector Evidence of regular and meaningful [150] consultations and engagement with community generatives and organizations Nequirement: Yes Applicability: All Applicability: All Applicability: All Compliants Compliants			

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 39 of 51

	Criterion 7.2 Respect for indigenous and aboriginal cultures and traditional territories								
		Compliance Criteria Instruction to Clients and CABs on Criterion 7.2 - Traditional Territories of Indigenous Groups	L						
	The ASC Salmon Standard requires that farms must be respectful of the traditional territiories of indigenous groups. The Indicators listed under Criterion 7.2 were designed to fulfill this purpose in a manner consistent with the United Nations Declaration on the Rights of Indigenous Peoples. In many locales, the territorial boundaries of a manner consistent with the United Nations Declaration on the Rights of Indigenous Peoples. In many locales, the territorial boundaries of indigenous peoples and the provided of the traditional law. In such cases, it is straightforward to know whether a farm is operating in close proximity to indigenous people. However, when boundaries of indigenous territories are undefined or unknown, there is no simple way to establish whether the farm is operating in close proximity to indigenous groups. Here ASC provides the following guidance.								
	The intent behind the ASC Salmon Standard is that the farm will identify all neighboring groups who are potentially negatively impacted by the farm's activities. The actual physical distance between the farm and an indigenous group is less important than understanding whether the farm is having a detrimental impact upon its neighbors. In a cruil identify the farm will identify themselves and voice their concerns about the nature of the farm's impacts. Continued consultations between farm and neighbors should create a forum where any key issue can be discussed and resolved.								
7.2.1	Indicator: Evidence that indigenous groups were consulted as required by relevant local and/or national laws and regulations Requirement: Yes Applicability: All farms that operate in indigenous territories or in proximity to indigenous or aboriginal people [133]	A. The application to have permission to operate covered identification and hearing of indigenous groups. The Sammi group of rain deer owners are present in the area. B. Farm management demonstrates an understanding of relevant local and national laws and regulations. C. No specific consultations are required. Representatives from "Reinbeitedistrikt 16/24/26/27D was included in annual newsletter 05.03.2019, and invited to stakeholder meeting in June 2019. Stakeholders were invited to participate in the audit by BVCDK and Cermaq, Hamnefjord. But no stakeholders came to the audit. Representatives from the local community were therefore not interviewed as part of the audit.	Compliant						
7.2.2	Indicator: Evidence that the farm has undertaken proactive consultation with indigenous communities Requirement: Yes [133]	A. It was communicated during the application processing to start the sites. Sami representatives were invited, but no participants nor enquires were presented. Stakeholders were invited to participate in the audit by BVCDK and Cermaq, Hamnefjord. But no stakeholders came to the audit. Representatives from the local community were therefore not interviewed as part of the audit.	Compliant						
	Applicability: All farms that operate in indigenous territories or in proximity to indigenous or aboriginal people [133]								
Footnote		[133] All standards related to indigenous rights only apply where relevant, based on proximity of indigenous territories.							
7.2.3	Indicator: Evidence of a protocol agreement, or an active process [134] to establish a protocol agreement, with indigenous communities Requirement: Yes Applicability: All farms that operate in indigenous territories or in proximity to indigenous or aboriginal people [133]	A. It was communicated during the application processing to start the sites. Some Sami groups are present in the area. B. It was communicated during the application processing to start the sites. Sami representatives were invited to stake holders consultation meeting, but no participants appeared nor enquires presented. C. The extensive communication is completed during licence processing and initial certification stage. No inquiries received. Stakeholders were invited to participate in the audit by BVCDK and Cermaq, Hamnefjord. But no stakeholders came to the audit. Representatives from the local community were therefore not interviewed as part of the audit.	Compliant						
Footnote	[134] To demonstrate an	active process, a farm must show ongoing efforts to communicate with indigenous communities, an understanding of key community concerns and responsiveness to key community	concerns throu	gh adaptive farm management and other actions.					
		Criterion 7.3 Access to resources							
		Compliance Criteria							
7.3.1	Indicator: Changes undertaken restricting access to vital community resources [135] without community approval Requirement: None Applicability: All	A. The resources that are vital for community are known by the site. It was communicated during the application to get the licence to start the sites. B. The community approval for resources was done during operation application processing to start the sites. The extensive communication is completed during licence processing and initial certification stage. No inquiries received.	Compliant						
Footnote	[135] Vital community resources can in	nclude freshwater, land or other natural resources that communities rely on for their livelihood. If a farm site were to block, for example, a community's sole access point to a needed f	reshwater reso	Learner, this would be unacceptable under the Dialogue standard.					
7.3.2	Indicator: Evidence of assessments of company's impact on access to resources	A. It is communicated during the application processing to start the sites. B. The extensive communication is completed during licence processing and initial certification stage. No	Compliant						
	Requirement: Yes Applicability: All	inquiries received. Impact assessment for Hammerfest kommune Arealplan 2010-2020 dated 10.06.2009 includes assessment of whole area around farm site	pilott						

INDICATORS AND STANDARDS FOR SMOLT PRODUCTION

A farm seeking certification must have documentation from all of its smolt suppliers to demonstrate compliance with the following standards. The requirements are, in general, a subset of the standards in Principles 1 through 7, focusing on the impacts that are most relevant for smolt facilities. In addition, specific standards are applied to open systems (net pens), and to closed and semi-closed systems (recirculation and flow-through). [136]

F	0	o	tı	n	0	te

[136] The SAD SC proposes this approach to addressing environmental and social performance during the smolt phase of production. In the medium term, the SC anticipates a system to audit smolt production facilities on site. In the meantime, farms will need to work with their smolt suppliers to generate the necessary documentation to demonstrate compliance with the standards. The documentation will be reviewed as part of the audit at the grow-out facility.

		documentation to demonstrate compliance with	the standards. The documentation will be reviewed as part of the audit at the grow-out facility.			
SECTION 8:	STANDARDS FOR SUPPLIERS OF SMOLT					
		,	Standards related to Principle 1			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
	Indicator: Compliance with local and national	a. Identify all of the farm's smolt suppliers. For each supplier, identify the type of smolt production system used (e.g. open, semi or closed systems) and submit this information to ASC (Appendix VI).	A. The smolt supplier is Cermaq Dyping Smolt, site number 13191. The production system is semi closed. Outlet water is discharged to the sea. B. Nordland Fylkesmannen date 24.1.2018 for maximum 450 MT feed/3,5 mill smolts per year. Water abstraction permit from			
8.1	providing permits related to water quality Requirement: Yes	b. Where legal authorisation related to water quality are required, obtain copies of smolt suppliers' permits.	Forsanvassdraget, dated 9.9.2016, Fylkesmannen. Water abstraction permit 8 m3 per min, average permit 15 m3 in the year. Nordland discharge permit date 9.9.2016, from NVE, no requirements for cleaning of discharge water before after 31.12.2020. Mattilsynet has	Compliant		
	Applicability: All Smolt Producers	c. Obtain records from smolt suppliers showing monitoring and compliance with discharge laws, regulations, and permit requirements as required.	approved suitability for smolt production, use Inspection Norwegian Directorate of Fisheries date 6.April 2018. Result no critical comments. MOM B every second year and MOM C every 4. year.			
	Indicator: Compliance with labor laws and regulations	a. Obtain declarations from smolt suppliers affirming compliance with labor laws and regulations.	A. Cermaq policy on labor laws and regulations, 15.3.2018, The Norwegian Labour Inspection Authority (https://www.arbeidstilsynet.no)/ inspected Dyping Smolt date Mattiæsynet			
8.2	Requirement: Yes	b. Keep records of supplier inspections for compliance with national labor laws and codes (only if such inspections are legally required in the country of operation; see	13.8.2018. Result no notes. The assessment was accepted by The Norwegian Labour Inspection Authority. The report from Hemis was seen at the audit.	Compliant		
	Applicability: All Smolt Producers	1.1.5d)	Standards related to Principle 2			-
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):		T T	
		· · · · · ·	· · · · · ·			
		Note: If the smolt facility has previously undertaken an independent assessment of bior use such documents as evidence to demonstrate compliance with Indicator 8.3 as long	diversity impact (e.g. as part of the regulatory permitting process), the farm may obtain and as all components are covered.			
	Indicator: Evidence of an assessment of the farm's potential impacts on biodiversity and nearby ecosystems that contains the same components as the assessment for grow-out facilities under 2.4.1	a. Obtain from the smolt supplier(s) a documented assessment of the smolt site's potential impact on biodiversity and nearby ecosystems. The assessment must address all components outlined in Appendix I-3.	A. Fiskeridirektoratet permit and Recipient survey MOM-B performed by AkvaPlan Niva AS 15.12.2018, MOM-B (every second year), result category 1, very good and 4.7.2016 category 1, MOM-C (every 4 year). Site Risk assessment Risk assessment 9.10.2018 Impact assessment,			
8.3	Requirement: Yes Applicability: All Smolt Producers	b. Obtain from the smolt supplier(s) a declaration confirming they have developed and are implementing a plan to address potential impacts identified in the assessment.	probability and consequesnce Sx5, in license application, Highest risk discharge of chemicals, risk in 10, tiltak plan for disinfection with low effect. Environmental risks with contingency plans and references to relevant public regulations and national legislation. B. In site specific "Miljømål Settefisk" Cermaq Norway AS covering impacts defined in indicator above. Annual revision of plan," top to down" template including targets relavant for risk adressed in the assessement published 16.04.18 and smoltsites are working with site specific plans to be finished in June 2018.	Compliant		

			f indicator 8.4. This specifies the maximum amount of phosphorus that a smolt production month period. The requirement is set at 4 kg/mt. The calculation of total phosphorus released in Appendix VIII-1. m of sludge provided there is evidence to show: over the relevant time period; ng and analyzing representative batches; and		
84	Indicator: Maximum total amount of phosphorus released into the environment per metric ton (mt) of fish produced over a 12-month period (see Appendix VIII-1)	a. Obtain records from smolt suppliers showing amount and type of feeds used for smolt production during the past 12 months. b. For all feeds used by the smolt suppliers (result from 8.4a), keep records showing phosphorus content as determined by chemical analysis or based on feed supplier declaration (Appendix VIII-1).			
G. I	8.4 Requirement: 4 kg/mt of fish produced over a 12-month period Applicability: All Smolt Producers	c. Using the equation from Appendix VIII-1 and results from 8.4a and b, calculate the total amount of phosphorus added as feed during the last 12 months of smolt production. d. Obtain from smolt suppliers records for stocking, harvest and mortality which are sufficient to calculate the amount of biomass produced (formula in Appendix VIII-1) during the past 12 months. e. Calculate the amount of phosphorus in fish biomass produced (result from 8.4d) using the formula in Appendix VIII-1.	a) Records of feed use and amont are documented in excel sheets from supplier Dyping: 245791kg, from Ewos. b) The phosphorus was 2,0 %. c) The calculations are done according to appendix VII -1: 245791 kg d) Biomass 328,4 tons. e) 4001 kg Phosphorus, f) No sludge removed. g) P release: 7,89 kg pr. ton smolt produced.	Compliant	
		f. If applicable, obtain records from smolt suppliers showing the total amount of P removed as sludge (formula in Appendix VIII-1) during the past 12 months. g. Using the formula in Appendix VIII-1 and results from 8.4a-f (above), calculate total phosphorus released per ton of smolt produced and verify that the smolt supplier is in compliance with requirements.	Standards related to Principle 3		
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):		
		a. Obtain written evidence showing whether the smolt supplier produces a non-native species or not. If not, then Indicator 8.5 does not apply.	Addition Evaluation [Incquired GAD Actions].		
		b. Provide the farm with documentary evidence that the non-native species was widely commercially produced in the area before publication of the ASC Salmon Standard. (See definition of area under 3.2.1).			
	the species shall have been widely commercially				
8.5	produced in the area prior to the publication of the ASC Salmon Standard	c. If the smolt supplier cannot provide the farm with evidence for 8.5b, provide documentary evidence that the farm uses only 100% sterile fish.	a), b), c), d), e) No non- native species are produced.	N/A	
8.5	produced in the area prior to the publication of the		a), b), c), d), e) No non- native species are produced.	N/A	
8.5	produced in the area prior to the publication of the ASC Salmon Standard Requirement: Yes [137] Applicability: All Smolt Producers except as noted in	documentary evidence that the farm uses only 100% sterile fish. d. If the smolt supplier cannot provide the farm with evidence for 8.5b or 8.5c, provide documented evidence for each of the following: 1) non-native species are separated from wild fish by effective physical barriers that are in place and well maintained; 2) barriers ensure there are no escapes of reared fish specimens that might survive and subsequently reproduce; and 3) barriers ensure there are no escapes of biological material that might survive and	a), b), c), d), e) No non- native species are produced.	N/A	

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 42 of 51

8.6	Indicator: Maximum number of escapees [138] in the most recent production cycle Requirement: 300 fish [139] Applicability: All Smolt Producers except as noted in [139]	a. Obtain documentary evidence to show that smolt suppliers maintained monitoring records of all incidences of confirmed or suspected escapes, specifying date, cause, and estimated number of escapees. b. Using smolt supplier records from 8.6a, determine the total number of fish that escaped. Verify that there were fewer than 300 escapees from the smolt production facility in the most recent production cycle. c. Inform smolt suppliers in writing that monitoring records described in 8.6a must be maintained for at least 10 years beginning with the production cycle for which the farm is first applying for certification (necessary for farms to be eligible to apply for the exception noted in [139]). d. If an escape episode occurs at the smolt production facility (i.e. an incident where > 300 fish escaped), the farm may request a rare exception to the Standard [139]. Requests must provide a full account of the episode and must document how the smolt producer could not have predicted the events that caused the escape episode.	A.B.C.D. No escaped according to internal statement. Internal Risk Assessment with instruction for registration and reporting. No incident reported for escape from Cermaq smolt for 2018. Verified by the Norwegian Directorate Of Fisheries https://www.fiskeridir.no (www.F.Dir.no). The smolt suppliers are informed by Cermaq Norway regarding records described. d) No escapes from the smolt suppliers, statements from smolt supplier.	Compliant	
Footnote		[138] Farms shall report all escapes: the	Letotal aggregated number of escapees per production cycle must be less than 300 fish.		
Footnote		de for an escape event that is clearly documented as being outside of the farm's control.	Only one such exceptional episode is allowed in a 10-year period for the purposes of this standa the episode. Extreme weather (e.g., 100-year storms) or accidents caused by farms located near		e farm is
8.7	Indicator: Accuracy [140] of the counting technology or counting method used for calculating the number of fish Requirement: ≥98%	a. Obtain records showing the accuracy of the counting technology used by smolt suppliers. Records must include copies of spec sheets for counting machines and common estimates of error for hand-counts. B. Review records to verify that accuracy of the smolt supplier's counting technology.	a) Documented accouracy from DYPING : Akva Scan fishcounter. B)Records kept. b) Records verified for all smolt producers. The accuracy is minimum 98%.	Compliant	
	Applicability: All Smolt Producers	or counting method is ≥ 98%.			
Footnote		[140] Accuracy shall be determined by the sp	ec sheet for counting machines and through common estimates of error for any hand counts.		
		0	Standards related to Principle 4		
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):		\vdash
8.8	Indicator: Evidence of a functioning policy for proper and responsible treatment of non-biological waste from production (e.g., disposal and recycling) Requirement: Yes Applicability: All Smolt Producers	a. From each smolt supplier obtain a policy which states the supplier's commitment to proper and responsible treatment of non-biological waste from production. It must explain how the supplier's policy is consistent with best practice in the area of operation.	Documented declaration and plan from Dyping Smoltfarm, Cermaq.	Compliant	
		Note: see instructions for Indicator 4.6.1.			
	Indicator: Presence of an energy-use assessment verifying the energy consumption at the smolt	a. Obtain records from the smolt supplier for energy consumption by source (fuel, electricity) at the supplier's facility throughout each year.			
	production facility (see Appendix V subsection 1 for guidance and required components of the records and assessment)	b. Confirm that the smolt supplier calculates total energy consumption in kilojoules (kj) during the last year.			
8.9	,	c. Obtain records to show the smolt supplier calculated the total weight of fish in metric tons (mt) produced during the last year.	a, b) Total use for Dyping: 276239112 KJ. Calculations are verified for the smoltsupplier. c) 328 tons, d) Grytåga: 24740003 KJ/tons/generation. e) Records made for energy use asessment	Compliant	1
	Requirement: Yes, measured in kilojoule/mt fish/production cycle Applicability: All Smolt Producers	d. Confirm that the smolt supplier used results from 8.9b and 8.9c to calculate energy consumption on the supplier's facility as required and that the units are reported as kilojoule/mt fish/production cycle.	tons, a) Grytaga: 24/40003 KJ/tons/generation. e) Records made for energy use asessment are compliant with the requirements.	Compilant	
		e. Obtain evidence to show that smolt supplier has undergone an energy use assessment in compliance with requirements of Appendix V-1. Can take the form of a declaration detailing a-e.			

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 43 of 51

		Note: see instructions for Indicator 4.6.2.				
		a. Obtain records of greenhouse gas emissions from the smolt supplier's facility.				
	Indicator: Records of greenhouse gas (GHG [141]) emissions [142] at the smolt production facility and	b. Confirm that, on at least an annual basis, the smolt supplier calculates all scope 1 and scope 2 GHG emissions in compliance with Appendix V-1.				
8.10	evidence of an annual GHG assessment (See Appendix V, subsection 1) Requirement: Yes	c. For GHG calculations, confirm that the smolt supplier selects the emission factors which are best suited to the supplier's operation. Confirm that the supplier documents the source of the emissions factors.	a) Documented GHG for the actual production from the smolt supplier. b) Documented GHG calculations from smolt supplier are performed. c) Best suited factors are used in the calculation. d)247859 CO2 e) Documentation from the smolt supplier shows annually GHG assessments regarding the requirements	Compliant		
	c it	d. For GHG calculations involving conversion of non-CO2 gases to CO2 equivalents, confirm that the smolt suppliers specify the Global Warming Potential (GWP) used and its source.				
		e. Obtain evidence to show that the smolt supplier has undergone a GHG assessment in compliance with requirements Appendix V-1 at least annually.				
Footnote	ote [141] For the purposes of this standard, GHGs are defined as the six gases listed in the Kyoto Protocol: carbon dioxide (CO ₂); methane (CH ₄); nitrous oxide (N2O); hydrofluorocarbons (HFCs); perfluorocarbons (PFCs); and sulphur hexafluoride (SF ₆).					
Footnote		[142] GHG emissions must be reco	rded using recognized methods, standards and records as outlined in Appendix V.			
			Standards related to Principle 5			
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):			
	Indicator: Evidence of a fish health management plan, approved by the designated veterinarian, for the identification and monitoring of fish diseases and parasites	a. Obtain a copy of the supplier's fish health management plan for the identification and monitoring of fish disease and parasites.	a), b) Fish health management plans are available from Dyping, updated 25.01.2019) . The	Compliant		
	Requirement: Yes Applicability: All Smolt Producers	b. Keep documentary evidence to show that the smolt supplier's health plans were approved by the supplier's designated veterinarian.	VHP was signed by the responsible vet veterinarian, Karl F. Ottem			
	Indicator: Percentage of fish that are vaccinated for	a. Maintain a list of diseases that are known to present a significant risk in the region, developed by farm veterinarian and supported by scientific evidence.				
	selected diseases that are known to present a significant risk in the region and for which an effective vaccine exists [143]	b. Maintain a list of diseases for which effective vaccines exist for the region, developed by the farm veterinarian and supported by scientific evidence.	a) Documented list of possible diseases of regional concern is included in the smolt supplier VHP. b) Documented list of possible diseases of regional concern is included in the smolt			
8.12	Requirement: 100%	c. Obtain from the smolt supplier(s) a declaration detailing the vaccines the fish received.	suppliers VHP. c) The ova are screened for ISA, PD and IPN. All smolts are vaccinated. c). Documented, described in VHP, dated 25.01.2019. d) The lists are crosschecked The smolt supplier are compliant with respect to 8.1.2	Compliant		
	Applicability: All Smolt Producers	d. Demonstrate, using the lists from 8.12a-c above, that all salmon on the farm received vaccination against all selected diseases known to present a significant risk in the regions for which an effective vaccine exists.				
Footnote	[143] The farm's designated veterinarian is responsible for undertaking and providing written documentation of the analysis of the diseases that pose a risk in the region and the vaccines that are effective. The veterinarian shall determine which vaccinations to use and demonstrate to the auditor that this decision is consistent with the analysis.					

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 44 of 51

	Indicator: Percentage of smolt groups [144] tested	The designated veterinarian to the smolt supplier is required to evaluate, based on science	Instruction to Clients for Indicator 8.13 Testing of Smolt for Select Diseases The farm is responsible for developing and maintaining a list of diseases of regional concern for which each smolt group should be tested. The list of diseases shall include diseases that originate in freshwater and are proven or suspected to occur in seawater (and for which seawater fish-to-fish transmission is a concern). The designated veterinarian to the smolt supplier is required to evaluate, based on scientific criteria and publicly available information, which diseases should be tested for. This analysis shall include an evaluation of whether clinical disease or a pathogen carrier state in fresh water is deemed to have a negative impact on the grow-out phase, thereby disqualifying a smolt group from being transferred. The analysis must be available to the CAB upon request.								
8.13	for select diseases of regional concern prior to entering the grow-out phase on farm Requirement: 100%		Note: A "smolt group" is defined as a population that shares disease risk, including environment, husbandry, and host factors that might contribute to sharing disease agents for each group.								
	Applicability: All Smolt Producers	 a. Obtain from the smolt supplier a list of diseases of regional concern for which smolt should be tested. List shall be supported by scientific analysis as described in the Instruction above. 	Documented in the VHP from Dyping. Statements and records verified during the audit.	Compliant							
		b. Obtain from the smolt supplier(s) a declaration and records confirming that each smolt group received by the farm has been tested for the diseases in the list (8.13a).	- Social circum and the state of the social circum and the social								
Footnote		ne designated veterinarian to the smolt farm is required to evaluate, based on scientific	haring disease agents for each group. Only diseases that are proven, or suspected, as occurring i criteria and publicly available information, which diseases should be tested for. This analysis sha disqualifying a smolt group from being transferred. A written analysis must be available to the	all include an e	valuation of whether clinical disease or a pathogen carrier state in fres	_					
8.14	Indicator: Detailed information, provided by the designated veterinarian, of all chemicals and therapeutants used during the smolt production cycle, the amounts used (including grams per ton of fish produced), the dates used, which group of fish were treated and against which diseases, proof of proper dosing and all disease and pathogens detected on the site Requirement: Yes Applicability: All Smolt Producers	• • • • • • • • • • • • • • • • • • • •	A. Therapeutant used, verified in fish CV also documented in FishTalk according to FHP - type, producer and batch. Prescription signed by responsible vetrinary / FHB/ Vaccines produced by Pharmaq. Therapeutant used and documented on fishgroup.	Compliant							
8.15	Indicator: Allowance for use of therapeutic treatments that include antibiotics or chemicals that are banned [145] in any of the primary salmon producing or importing countries [146] Requirement: Yes Applicability: All Smolt Producers	a. Provide to the smolt supplier the list (see 5.2.2a) of therapeutants, including antibiotics and chemicals, that are proactively banned for use in food fish for the primary salmon producing and importing countries listed in [146]. b. Inform smolt supplier that the treatments on the list cannot be used on fish sold to	A. B. Listed in "Forskrift om grenseverdier for legemidler i næringsmidler" "Norwegian regulation/NFSA. Substances banned in marked " In FHP " oversikt MRL for EU, USA, Japan, Kina, Australia og Russia" last revised in March 2018. Statement dt.18.01.18 - "Medicines and antibiotics allowed by Cermaq Norway". Approved and used substances are referred in FHP. Doc. dated 18.01.2018 with overview of banned substances. List for USA and Japan only permitted substances. C. Listed in "Forskrift om grenseverdier for legemidler i næringsmidler" "Norwegian regulation/NFSA. Substances banned in marked " In FHP " oversikt MRL for EU, USA, Japan, Kina, Australia og Russia" last revised in March 2018. Statement dt.18.01.18 - "Medicines and antibiotics allowed by Cermaq Norway". Approved and used substances are referred in FHP.								
		a farm with ASC certification. c. Compare therapeutant records from smolt supplier (8.14) to the list (8.15a) and confirm that no therapeutants appearing on the list (8.15a) were used on the smolt purchased by the farm.									
Footnote			y prohibited by a government entity because of concerns around the substance.								
Footnote		[146] For purposes of this standard, th	ose countries are Norway, the UK, Canada, Chile, the United States, Japan and France.								

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 45 of 51

8.16	Indicator: Number of treatments of antibiotics over the most recent production cycle	a. Obtain from the smolt supplier records of all treatments of antibiotics (see 8.14a).	A.B. No anitbiotics used in Dyping Smolt. Seen fish CV at the audit with all treatments	Compliant				
	Requirement: ≤ 3 Applicability: All Smolt Producers	b. Calculate the total number of treatments of antibiotics from their most recent production cycle.	identifed.	Compliant				
	Indicator: Allowance for use of antibiotics listed as	a. Provide to smolt supplier(s) a current version of the WHO list of antimicrobials critically and highly important for human health [147].						
8.17	critically important for human medicine by the WHO [147] Requirement: None [148]	b. Inform smolt supplier that the antibiotics on the WHO list (8.17a) cannot be used on fish sold to a farm with ASC certification.	A.B. Internal supplier of smolt. Dyping Smolt has required WHO list of antimicrobials critically and highly important for human health. C. No anithiotics used on Forsan Smolt. Seen fish CV at the audit with all treatments identifed.	Compliant				
	Applicability: All Smolt Producers	c. Compare smolt supplier's records for antibiotic usage (8.14, 8.15a) with the WHO list (8.17a) to confirm that no antibiotics listed as critically important for human medicine by the WHO were used on fish purchased by the farm.	at the audit with an treatments identified.					
Footnote		[147] The 3rd edition of the WHO list of critically and highly important	antimicrobials was released in 2009 and is available at: http://www.who.int/foodborne_disease	e/resistance/CIA	_3.pdf.			
Footnote	[148] If the antibiotic treatment is applied to only a portion of the pens on a farm site, fish from pens that did not receive treatment are still eligible for certification.							
		Note: see instructions for Indicator 5.4.3 regarding evidence of compliance with the OIE Aquatic Animal Health Code.						
	Aquatic Animal Health Code [150] Requirement: Yes	a. Provide the smolt supplier with a current version of the OIE Aquatic Animal Health Code (or inform the supplier how to access it from the internet).						
8.18		b. Inform the supplier that an ASC certified farm can only source smolt from a facility with policies and procedures that ensure that its smolt production practices are compliant with the OIE Aquatic Animal Health Code.	A. B. C. Dyping Smolt is an internal supplier. The site is operated in accordance with the Cermaq policy and prcedures concerning compliance with the OIE Aquatic Animal Health Code. See Cermaq Statement date 25.01.2019 on ASC requirements regarding OIE Aquatic Animal Health Code for smolt deliveries. The statement is signed by designated veterinarian	Compliant				
		c. Obtain a declaration from the supplier stating their intent to comply with the OIE code and copies of the smolt suppliers policies and procedures that are relevant to demonstrate compliance with the OIE Aquatic Animal Health Code.	Karl Fredrik Ottem.					
Footnote	[149] Compliance is defined as farm practices consists		ooses of this standard, this includes an aggressive response to detection of an exotic OIE-notifial sthogen. Exotic signifies not previously found in the area or had been fully eradicated (area decl			ntation of		
Footnote		[150] OIE 2011. Ac	quatic Animal Health Code. http://www.oie.int/index.php?id=171.					
			Standards related to Principle 6					
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):					
8.19	Indicator : Evidence of company-level policies and procedures in line with the labor standards under 6.1 to 6.11	a. Obtain copies of smolt supplier's company-level policies and procedures and a declaration of compliance with the labor standards under $6.1\mathrm{to}~6.11$.	A.B. Dyping Smolt is an internal supplier. The site is operated in accordance with the Cermaq	Compliant				
0.13	Requirement: Yes	b. Review the documentation and declaration from 8.19a to verify that smolt supplier's policies and procedures are in compliance with the requirements of labor standards under 6.1 to 6.11.	policy and procedures concerning compliance with the labor standards	Compilant				
I	Applicability: All Smolt Producers Standards under 6.1 to 6.11.		l					

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 46 of 51

			Standards related to Principle 7							
		Compliance Criteria (Required Client Actions):	Auditor Evaluation (Required CAB Actions):							
8.20	Indicator: Evidence of regular consultation and engagement with community representatives and organizations	Instruction to Clients for Indicator 8.20 - Consultation and Engagement with Community Representatives Farms must comply with Indicator 7.1.1 which requires that farms engage in regular consultation and engagement with community representatives and organizations. Under Indicator 8.20, farms must show how each of their smolt suppliers complies with an equivalent requirement. Farms are obligated to maintain evidence that is sufficient to show their suppliers remain in full compliance. Evidence shall be documentary (e.g. meeting agenda, minutes, report) and will substantiate the following: - the smolt supplier engaged in "regular" consultations with the local community at least twice every year (bi-annually); - the supplier's consultations were effective (e.g. using participatory Social Impact Assessment (pSIA) or similar methods); and - the supplier's consultations included participation by elected representatives from the local community who were asked to contribute to the agenda.								
	Requirement: Yes Applicability: All Smolt Producers	From each smolt supplier obtain documentary evidence of consultations and engagement with the community.	A. Stakeholder meeting for Forsan, Dyping and Holmvåg performed date 19.2.2019, 2 stakeholders og Forsan, Dyping, Holmvåg and Nordlaks 4.10.2018 12 stakeholders participated. Hopen 16.11.2018, 7 stakeholders participated in the meeting. List of	Compliant						
		b. Review documentation from 8.20a to verify that the smolt supplier's consultations and community engagement complied with requirements.	stakeholders seen and minutes from the meetings. The stakeholders askes some technical questions. No complaints were received.							
8.21	Indicator: Evidence of a policy for the presentation, treatment and resolution of complaints by community stakeholders and organizations Requirement: Yes Applicability: All Smolt Producers	Obtain a copy of the smolt supplier's policy for presentation, treatment and resolution of complaints by community stakeholders and organizations.	Dyping Smolt is an internal supplier. The site is operated in accordance with the Cermaq policy and prcedures concerning presentation, treatment and resolution of complaints by community stakeholders and organizations. No compliants has been received.	Compliant						
	Indicator: Where relevant, evidence that indigenous groups were consulted as required by relevant local and/or national laws and regulations	a. Obtain documentary evidence showing that the smolt supplier does or does not operate in an indigenous territory (to include farms that operate in proximity to indigenous or aboriginal people (see Indicator 7.2.1). If not then the requirements of 8.22 do not apply.	NA. The issue of indigenous groups is addressed in the license issued by Nordland Fylkeskommune date 19.04.2016							
8.22	Requirement: Yes Applicability: All Smolt Producers	b. Obtain documentation to demonstrate that, as required by law in the jurisdiction: smolt supplier consulted with indigenous groups and retains documentary evidence (e.g. meeting minutes, summaries) to show how the process complies with 7.2.1b; OR smolt supplier confirms that government-to-government consultation occurred and obtains documentary evidence.								
	Indicator: Where relevant, evidence that the farm has undertaken proactive consultation with indigenous communities	a. See results of 8.22a (above) to determine whether the requirements of 8.23 apply to the smolt supplier.	NA. The issue of indigenous groups is addressed in the license issued by Nordland							
8.23	Requirement: Yes Applicability: All Smolt Producers	b. Where relevant, obtain documentary evidence that smolt suppliers undertake proactive consultations with indigenous communities.	Fylkeskommune date 19.04.2016	Compliant						

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 47 of 51

ADDITIONAL REQUIREMENTS FOR OPEN (NET-PEN) PRODUCTION OF SMOLT In addition to the requirements above, if the smolt is produced in an open system, evidence shall be provided that the following are met: Instruction to Clients for Indicators 8.24 through 8.31 - Requirements for Smolt Produced in Open Systems Client shall provide documentary evidence to the CAB about the production system(s) from which they source smolt. If smolt used by the farm are produced, for part or all of the growth phase from alevin to smolt, in open (net-pen) systems, indicators 8.24 - 8.31 are applicable. a. Obtain a declaration from the farm's smolt supplier stating whether the supplier Indicator: Allowance for producing or holding smolt operates in water bodies with native salmonids. in net pens in water bodies with native salmonids b. Request smolt suppliers to identify all water bodies in which they operate net pens for producing smolt and from which facilities they sell to the client. N/A Requirement: None NA. The smolt are not produced in open systems Applicability: All Smolt Producers Using Open c. For any water body identified in 8.24b as a source of smolt for the farm, determine if native salmonids are present by doing a literature search or by consulting with a reputable authority. Retain evidence of search results. Indicator: Allowance for producing or holding smolt in net pens in any water body a. Take steps to ensure that the farm does not source smolt that was produced or held NA. The smolt are not produced in open systems N/A 8 25 Requirement: Yes in net pens. Applicability: All Smolt Producers Using Open Systems a. For the water body(s) where the supplier produces smolt for the client (see 8.24b), obtain a copy of the most recent assessment of assimilative capacity. Indicator: Evidence that carrying capacity b. Identify which entity was responsible for conducting the assessment (8.26a) and (assimilative capacity) of the freshwater body has obtain evidence for their reliability. been established by a reliable entity [151] within the past five years [152] and total biomass in the water . Review the assessment (8.26a) to confirm that it establishes a carrying capacity for body is within the limits established by that study the water body, it is less than five years old, and it meets the minimum requirements 8.26 (see Appendix VIII-5 for minimum requirements) NA. The smolt are not produced in open systems N/A presented in Appendix VIII-5. Requirement: Yes d. Review information to confirm that the total biomass in the water body is within the limits established in the assessment (8.26a). Applicability: All Smolt Producers Using Open Systems e. If the study in 8.26a is more than two years old and there has been a significant increase in nutrient input to the water body since completion, request evidence that an updated assessment study has been done. [151] E.g., Government body or academic institution. Footnote [152] If the study is older than two years, and there has been a significant increase in nutrient input to the water body since the completion of the study, a more recent assessment is required. Footnote

8.27	Indicator: Maximum baseline total phosphorus concentration of the water body (see Appendix VIII-6) 7 Requirement: ≤ 20 µg/l [153] Applicability: All Smolt Producers Using Open Systems	Farms must confirm that any smolt supplier using an open (net-pen) system is also e briefly here. Monitoring shall sample total phosphorus (TP) and dissolved oxygen (DO) laboratory for analysis of - a - stations are - sam - sam	Instruction to Clients for Indicator 8.27 and 8.28 - Monitoring TP and DO in Receiving Water for Open Smolt Systems Farms must confirm that any smolt supplier using an open (net-pen) system is also engaged in monitoring of water quality of receiving waters. Requirements for the supplier's water quality monitoring program are presented in detail in Appendix VIII-6 and only re-stated ricely here. Monitoring shall sample total phosphorus (TP) and dissolved oxygen (DO). TP is measured in water samples taken from a representative composite sample through the water column to a depth of the bottom of the cages. Samples are submitted to an accredited laboratory for analysis of TP to a method detection limit of < 0.002 mg/L. DO measurements will be taken at 50 centimeters from the bottom sediment. The required sampling regime is as follows: - all stations are identified with GPS coordinates on a map of the farm and/or available satellite imagery; - stations are at the limit of the farm management zone on each side of the farm, roughly 50 meters from the edge of enclosures; - the spatial arrangement of stations is shown in the table in Appendix VIII-6; - sampling is done at least quarterly (1X per 3 months) during periods without ice, including peak biomass; and - samples are also collected at two reference stations located ~ 1-2 km upcurrent and downcurrent from the farm. Note: Some flexibility on the exact location and method of sampling is allowed to avoid smolt suppliers needing to duplicate similar sampling for their local regulatory regime.								
		a. Obtain documentary evidence to show that smolt suppliers conducted water quality monitoring in compliance with the requirements of Appendix VIII-6. b. Obtain from smolt suppliers a map with GPS coordinates showing the sampling locations. c. Obtain from smolt suppliers the TP monitoring results for the past 12 months and calculate the average value at each sampling station. d. Compare results to the baseline TP concentration established below (see 8.29) or determined by a regulatory body. e. Confirm that the average value for TP over the last 12 months did not exceed 20 ug/l at any of the sampling stations nor at the reference station.	NA. The smolt are not produced in open systems	N/A							
Footnote		[153] This concentration is equivalent to the	upper limit of the Mesotrophic Trophic Status classification as described in Appendix VIII-7.	<u> </u>							
	Indicator: Minimum percent oxygen saturation of		Note: see instructions for Indicator 8.27.								
	water 50 centimeters above bottom sediment (at all oxygen monitoring locations described in Appendix VIII-6)	Obtain evidence that smolt supplier conducted water quality monitoring in compliance with the requirements (see 8.27a).									
8.28	Requirement: ≥ 50%	b. Obtain from smolt suppliers the DO monitoring results from all monitoring stations for the past 12 months.	NA. The smolt are not produced in open systems	N/A							
	Applicability: All Smolt Producers Using Open Systems	c. Review results (8.28b) to confirm that no values were below the minimum percent oxygen saturation.									

		a. Obtain documentary evidence from the supplier stating the trophic status of water body if previously set by a regulator body (if applicable).						
8.29	remains unchanged from baseline (see Appendix VIII-	b. If the trophic status of the waterbody has not been classified (see 8.29a), obtain evidence from the supplier to show how the supplier determined trophic status based on the concentration of TP.	NA. The smolt are not produced in open systems	N/A				
0.23	Requirement: Yes Applicability: All Smolt Producers Using Open Systems	c. As applicable, review results from 8.29b to verify that the supplier accurately assigned a trophic status to the water body in accordance with the table in Appendix VIII-7 and the observed concentration of TP over the past 12 months.	tes. The smort are not produced in open systems	N/A				
		d. Compare the above results (8.29c) to trophic status of the water body as reported for all previous time periods. Verify that there has been no change.						
	Indicator: Maximum allowed increase in total phosphorus concentration in lake from baseline (see	a. Determine the baseline value for TP concentration in the water body using results from either 8.29a or 8.29b as applicable.	S					
8.30	Appendix VIII-7) Requirement: 25%	b. Compare the baseline TP concentration (result from 8.30a) to the average observed TP concentration over the past 12 months (result from 8.27e).	NA. The smolt are not produced in open systems	N/A				
	Applicability: All Smolt Producers Using Open Systems	c. Verify that the average observed TP concentration did not increase by more than 25% from baseline TP concentration.						
8.31	Indicator: Allowance for use of aeration systems or other technological means to increase oxygen levels in the water body	Obtain a declaration from the farm's smolt supplier stating that the supplier does not use aeration systems or other technological means to increase oxygen levels in the	NA. The smolt are not produced in open systems					
0.51	Requirement: None Applicability: All Smolt Producers Using Open Systems	water bodies where the supplier operates.						
			TS FOR SEMI-CLOSED AND CLOSED PRODUCTION OF SMOLTS bugh or recirculation) that discharges into freshwater, evidence shall be provided that the follow	ving are met [1	57]:			
-If the	Instructions to Client for Indicators 8.32-8.35 - Requirement for smolts produced in open systems Client shall provide documentary evidence to the CAB about the production system(s) from which they source smolt. -If smolt used by the farm are not produced, for part or all of the growth phase from alevin to smolt, in open (net-pen) systems, indicators 8.32 - 8.35 are applicable. -If the production system is closed or semi-closed and does not discharge into freshwater, Indicators 8.32 - 8.35 are not applicable to smolt producers as per [154]. For such an exemption, farms must provide documentary evidence to the CAB. Auditors shall fully document their rationale for awarding exemptions in the audit report.							
Footnote		[154] Production system:	s that don't discharge into fresh water are exempt from these standards.					
	indicator: Water quality monitoring matrix completed and submitted to ASC (see Appendix VIII-2)	a. Obtain records from smolt suppliers showing that water quality monitoring was conducted at least quarterly (i.e. once every 3 months) over the last 12 months.						
8.32		b. Obtain water quality monitoring matrix from smolt suppliers and review for completeness.	NA. The smolt are not produced in open systems	N/A				
				l		.		

[155] See Appendix VI for transparency requirements for 8.32.

c. Submit the smolt supplier's water quality monitoring matrix to ASC as per Appendix

VIII-2 and Appendix VI at least once per year.

Footnote

	Indicator: Minimum oxygen saturation in the	a. Obtain the water quality monitoring matrix from each smolt supplier (see 8.32b).				
8.33	outflow (methodology in Appendix VIII-2) Requirement: 60% [156,157]	b. Review the results (8.33a) for percentage dissolved oxygen saturation in the effluent to confirm that no measurements fell below 60% saturation.	NA. The smolt are not produced in open systems	N/A		
	Applicability: All Smolt Producers Using Semi-Closed or Closed Production Systems	c. If a single DO reading (as reported in 8.33a) fell below 60%, obtain evidence that the smolt supplier performed daily continuous monitoring with an electronic probe and recorder for a least a week demonstrating a minimum 60% saturation at all times (Appendix VIII-2).				
Footnote		[156] A single oxygen reading below 60 percent would require daily continuous m	onitoring with an electronic probe and recorder for at least a week demonstrating a minimum (60 percent satu	ration at all times.	
Footnote		[157] Se	ee Appendix VI for transparency requirements for 8.33.			
	benefic ficular that is similar of better than surveys	a. Obtain documentation from smolt supplier(s) showing the results of macro-invertebrate surveys.				
8.34	upstream from the discharge (methodology in Appendix VIII-3) Requirement: Yes	b. Review supplier documents (8.34a) to confirm that the surveys followed the prescribed methodology (Appendix VIII-3).	NA. The smolt are not produced in open systems	N/A		
	Applicability: All Smolt Producers Using Semi-Closed or Closed Production Systems	c. Review supplier documents (8.34a) to confirm the survey results show that benthic health is similar to or better than upstream of the supplier's discharge.				
	Indicator: Evidence of implementation of biosolids	a. Maintain a copy of smolt supplier's biosolids (sludge) management plan and confirm that the plan addresses all requirements in Appendix VIII-2.				
8.35	(sludge) Best Management Practices (BMPs) (Appendix VIII-4)	b. Obtain from smolt suppliers a process flow diagram (detailed in Appendix VIII-2) showing how the farm is dealing with biosolids responsibly.	NA. The smolt are not produced in open systems	N/A		
	Requirement: Yes Applicability: All Smolt Producers Using Semi-Closed	c. Obtain a declaration from smolt supplier stating that no biosolids were discharged into natural water bodies in the past 12 months.	ver. The amore the produced in open systems	N/A		
	or Closed Production Systems	d. Obtain records from smolt suppliers showing monitoring of biosolid (sludge) cleaning maintenance, and disposal as described in Appendix VIII-2.				

Audit Manual - ASC Salmon Standard v1.1 - April 2017 Page 51 of 51

11 Findings

11.5 Add new rows as needed





- 11.1 DO NOT DELETE ANY COLUMN
- 11.2 Columns B/C/D/E (in black) are automatically populated from the species checklist/audit manual
- 11.3 Each NC is raised against a standard indicator or a CAR requirement
- 11.4 Use the "sort" function for presenting the list to your liking (e.g. grading, status, closure deadline, etc.)

r	NC eferenc e	Indicator	Grade of NC	Description of NC	Evidence	Date of detection	Status	Related VR (#)	Root cause (by client)	Corrective/ preventive actions proposed by UoC and accepted by CAB		Evaluation by CAB (including evidence)	Actual date of close- out	Date request for delay received	Justification for delay	Next deadline	Request evaluation by CAB	Date request approved
1		2.1.1	Minor	measuring of redox potential or sulphide concentration	a. A map has been prepared. B N/A c. No information on the option chosen. D/E/F/G The last sampling of sediments were done on 23.01.2018 (on 17 G). No values for this cycle. Site not in compliance with the requirement.	22.05.2019	Delayed		1 1	The site will be sampled during maximum biomass now in september.	21.08.2019				sediment samples can not be taken until september		Request approved. The plan for sampling is reasonable.	19-08-2019
2			Minor	No sampling has been performed by the site. Last were performed 23.01.2018 (on 17 G).	performed by the site. Last were performed 23.01.2018 (on 17 G). This is not in compliance with the requirements.		Delayed		planning. The site Hamnefjorden was	The site will be sampled during maximum biomass now in september.	21.08.2019				sediment samples can not be taken until september		The plan for sampling is reasonable.	19-08-2019
3		2.1.3		performed by the site. The last Mom-C analysis was performed	a),b),c),d),e) f): NC: No mom analyses has been performed by the site. The last Mom-C analysis was performed 30.10.2013 and Mom B performed 23.01.2018 (on 17 G). This is not in compliance with the requirements.	22.05.2019	Delayed		planning. The site Hamnefjorden was	The site will be sampled during maximum biomass now in september.	21.08.2019				sediment samples can not be taken until september		Request approved. The plan for sampling is reasonable.	19-08-2019

CAR v.2.0 - Audit report - Closing 1/2

														Council
4	2.1.4	Minor	the site specific AZE is robust	An analysis has determined a site specific AZE. NC: No records to show analysis for the site specific AZE is robust.	22-05-2019	ŕ	planning. The site Hamnefjorden was only used for a short period in the previous generation, and Mom C was therefore not carried out, omnly MOM B.	The site will be sampled during maximum biomass now in september.			16-08-2019	sediment samples can not be taken until september	Request approved. The plan for sampling is reasonable.	19-08-2019
5	6.5.2	Minor	internal procedure "Prosedyre for bruk av arbeidsutstyr", doc no 1065 dated 23.11.2018 and Norwegian regulation "Forskrift om utførelse av arbeid §10-2" related to documented training in use of tools and work equipment are not implemented at site. Non of the operators interviewed had received training according to this, and no records were	A procedure is developed for use of PPE, doc no. 82, dated 02.01.2019, and distributed in Intelex together with a log for control of PPE, doc no. 83 dated 06.03.2019. Training in use of PPE is performed and signed of as part of HSE introduction course. All training are recorded. PPE is provided to all employees, free of charge. A separate procedure "Prosedyre for bruk av arbeidsutstyr", doc no 1065 dated 23.11.2018 for training in use of tools and work equipment is developed to ensure compliance with Norwegian regulation "Forskrift om utførelse av arbeid §10-2", including templates for recording such training. None of the operators interviewed on site had received training according to this, and no records were available to confirm compliance	21-05-2019	Closed		Site manager has now done a "SJA" for small tools with the employees. One emplyee is on vacation and will get the training when tey have returned. Attached documentation.	Documentation for performed training with description of the content of the course received on 16.08.2019	16-08-2019				
6	6.5.3	Minor	were found missing during site inspection at Hamnefjord barge 20.05.2019: - Missing eye shower kit by all cabinets and containers where chemicals are stored - Safety data sheets for chemicals in chemical cabinet in workshop missing - Formic acid tank not locked	A. The procedure for risk assessment, doc no 366 dated 28.05.2018 is implemented. Last review of risks assessment at site Hamnefjord took place in 20.02 2019 where two operators and site manager participated. B. Employees are trained and annual refreshment trainings are organised during risk analysis. Training records are maintained. Last evaluation of the H&S risks and the training for employees took place 20.02.2019. The safe job analysis is done prior to all major works on the site with definitions of risks and their management measures. C. Monthly H&S committee meetings are discussing the need to update the procedures based on practices or OHS incidents accidents. Minutes of meetings are maintained. The site manager has possibility to suggest changes to procedure. The following topics were covered during last Risk assessment at site: Work on boat and ponds, Work on fleet, Lice treatment operations, Maintenence, workshop activities and handling of chemicals During site visit at Hamnefjord barge there were found that some mandatory preventive actions were not implemented	21-05-2019	Closed	lead to lack of maintenance of working area	The site manager has updated the safetysheet og replaced where it was missing. The chemical storage is now locked. Eyewash has been purchased. See attached documentation.	Foto documentation as evidence of replacement of missing eye showers, the missing safety data sheets and the missing lock on formic acid tank received on 16.08.2019	16-08-2019				

CAR v.2.0 - Audit report - Closing



ASC Audit Report - Traceablity

10	Traceability Factor	Description of risk factor if present.	Describe any traceability, segregation, or other systems in place to manage the risk.		
10.1	The possibility of mixing or substitution of certified and non-certified product, including product of the same or similar appearance or species, produced within the same operation.	The UoC is the entire Hamnefjord site	N/A		
10.2	certified and non-certified product, including product of the same or similar appearance or species, present during production, harvest,	There is a very limited risk of mixing non-certified fish with certified fish because of the well implemented traceasbility system and because Cermaq Norway does not currently sell all ASC certified salmon as certified.	The possibility of mixing certified and non-certfied product is low because Slaughterhouse Rypefjord is certified according to the ASC- CoC standard (ASC-C-00687).		
10.3	handle, transport, store, or process certified products.	Cermaq Norway are only using internally producers for primary processing. Traceability during transport by wellboat from Hamnefjord to the slaughterhouse is included in the slaughterhouse CoC certification.	Cermaq Norway site Hamnefjord plan to use the internally Rypefjord (ASC-C-00687) for the next production cycle.		
10.4		From harvest during transport by wellboat to the slaughterhouse. The slaughterhouse is located 3-4 hours from the site.	Hamnefjord has implemented full traceability through production software Fish-talk. One cage is harvested at the time. The transport of fish from the cages to the slaughterhouse will be audited as part of the slaughterhouse CoC certification.		

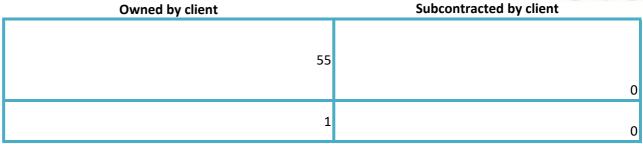


10.4.a Total number of sites owned/subcontracted by client producing the same species that is included in the scope of certification

Number of sites included in the unit of certification

10.4.b Site(s) within UoC that has product to be excluded from entering the chain of custody

10.5 Detail description of the flow of certified product within the operation and the associated traceability system which allows product to be traced from final sale back to the unit of certification



Site name(s) Reason(s)

Sites documents describes a satisfactory control with incoming products, from own freshwater sites and external suppliers, and corresponding documentation of production sites and suppliers. Digital information is handled in FishTalk and Intelex for phase in freshwater and for sea water stage.



10.6 Traceablity Determination:

- 10.6.1 The traceability and segregation systems in the operation are sufficient to ensure all products identified and sold as certified by the operation originate from the unit of
- 10.6.2 The traceability and segregation systems are not sufficient and a separate chain of custody certification is required for the operation before products can be sold as ASC-certified or can be eligible to carry the ASC logo.
- 10.6.3 The point from which chain of custody is required to begin
- 10.6.4 If a sepearate chain of custody certificate is required for the unit of certification

The traceability and segregation system is ASC compliant.

N/A

From the point where the fish is harvested at the cages. During transport from the cages to the slaughterhouse the fish will be covered by the slaughterhouse CoC certification.

No.

For Multi-site clients



ASC Audit Report - Closing

12 Evaluation Results

12.1 A report of the results of the audit of the operation against the specific elements in the standard and guidance documents

A report containing the results of the audit has been developed. The evaluation of the company's compliance to the requirements in the ASC Salmon Standard and all references and findings is described in detail in the report section II Audit template and section IV Audit Report Closing.

The principles where full compliance was found: 1, 3, 4, 5, 7 and 8. For the rest of the principles, 2 and 6, full compliance was not found, although most of these indicators were compliant.

The audit resulted in 6 minor non-Conformities. Reference is made to ASC Farm certification and Accreditation Requirement 17.4.2 and 17.4.3: As the fish were not at harvest size during the audit, harvest was not overseen by the auditor.

VR used during audit: VR nr.39 approved 15.09.2014 by ASC on phosphorus release from smolt producer. Rationale for use of VR 39 during audit is that as for accepted VR 39 the smolt producers effluent is seawater not freshwater.

VR nr. 179 approved 24.08.16 by ASC for translation of reports into local language (Norwegian). Reports will be accepted in English.

VR nr. 97 approved 20.08.2015 by ASC for calculation of PTI based on biomass. If necessary stakeholders can get in touch with DNVGL and we can translate necessary information.

VR list and updated documentation for VR can be found on the ASC website: http://www.asc-aqua.org

12.2 A clear statement on whether or not the audited unit of certification has the capability to consistently meet the objectives of the relevant standard(s)

12.2 A clear statement on whether or Site Hamnefjord has the capability to meet the objectives of the ASC salmon not the audited unit of standard.

CAR v.2.1 - Audit report - Closing



123	In cases where BEIA or PSIA is
	available, it shall be added in full
	to the audit report. IF these
	documents are not in English,
	then a synopsis in English shall
	be added to the report.

NA

13 Decision

13.1 Has a certificate been issued? (yes/no)

Yes

13.2 The Eligiblity Date (if applicable) 29-11-2018

13,3 Is a separate CoC certificte required for the producer? (yes/no)

No

13.4 If a certificate has been issued this section shall include:

This is an initial audit

13.4.1 The date of issue and date of expiry of the certificate.

No - this is a draft report.

13.4.2 The scope of the certificate

ASC Salmon Standard Version 1.2. Aquaculture species: Salmon (Salmon salar)

CAR v.2.1 - Audit report - Closing 2/3



13.4.3 Instructions to stakeholders that any complaints or objections to the CAB decision are to be subject to the CAB's complaints procedure. This section shall include information on where to review the procedure and where further information on complaints can be found.

13.4.3 Instructions to stakeholders that any complaints or objections to the CAB decision are to be subject to the CAB's complaints or objections or objections or objections or objections to the CAB's complaints or objections or o

14 Surveillence

14.1 Next planned Surveillance

14.1.1 Planned date

14.1.2 Planned site

Hamnefjord

maj-20

14.2 Next audit type

14.2.1 Surveillence 1

14.2.2 Surveillance 2

14.2.3 Re-certification

14.2.4 Other (specify ty

CAR v.2.1 - Audit report - Closing