

Gileyri

ÁRSYFIRLIT 2025

Inngangur

Í þessu ársyfirliti fyrir eldisstöðina Gileyri fyrir árið 2025 koma fram þær upplýsingar sem Umhverfisstofnun setur fram í klausu 4.1 í starfsleyfum um niðurstöður mælinga og skráninga skv. 3.-5. kafla starfsleyfa.

f.h. seiðaeldisstöðvarinnar á Gileyri,



Silja Baldvinsdóttir, gæðastjóri Arnarlax ehf.

4. Innra eftirlit rekstraraðila

4.1 Skráningar

Framleiðslumagn og afföll

Árið 2025 voru 276 tonn af seiðum framleidd á Gileyri og voru afföll árið 2025 alls 4,6 tonn.

Fóðurnotkun

6.3. Fóðurnotkun	Purrfóður fyrir laxaseiði	252.182,0	kg
6.4. Fóðurgerð	Nutra Lumina 3 3mm	40.500,0	kg
	Nutra Lumina RC 3mm	58.116,0	kg
	Nutra RC 1,2	11.000,0	kg
	Nutra RC 1,5	19.500,0	kg
	Nutra RC 2	73.127,3	kg
	Nutra RC 3	38.000,0	kg
	Nutra Sprint 0,5mm	1.060,0	kg
	Nutra Sprint 0,8mm	2.750,8	kg
	Nutra Sprint 1mm	8.128,2	kg

Magn og gerð hreinsiefna, sótthreinsiefna og lyfja

2.12. Notkun eiturefna & hættulegra efna	Maurasýra 85%	565	lítrar
	Sápa og sótthreinsir	590	lítrar
	Formalin	740	lítrar
	Peracetic Acid	2920	lítrar
6.9. Sundurliðun á notkun lyfja			
	Alpha Ject micro 7 ILA	155,50	lítrar
	Alpha Ject Moritella	78,00	lítrar
	Finquel vet 1000mg/l	21,00	kg

Kvartanir vegna starfseminnar

Árið 2025 bárust engar kvartanir til Arnarlax vegna Eldisstöðvar Gileyri.

Bilanir og óhöpp sem valdið gætu mengun

Engar bilanir árið 2025 sem ollu mengun.

Úrgangur sem verður til í framleiðslunni

3.4. Magn úrgangs til förgunar	Blandaður úrgangur	655	kg
	Grófur úrgangur	4.890	kg
	Gler og óvirkur úrgangur	840	kg
	Heildarmagn:	6.385	kg
3.5. Magn úrgangs til endurvinnslu			
	Bylgjupappi	160	kg
	Plast	50	kg
	Heildarmagn:	210	kg
6.8. Sundurliðun á meðhöndlun úrgangs	Dauðfiskur alls:		kg
	Dauðfiskur til meltugerðar, kat2	4.579	kg
	Annar úrgangur - sjá kafla 3		

Þjálfun og reynsla starfsfólks

Starfsfólk fær þjálfun í meðhöndlun hættulegra efna, öryggi og heils og forvörnum slysasleppinga þegar það hefur störf. Öll námskeið eru kennd í gegnum þjálfunarkerfið Blue Planet Academy sem og af dýralæknum. Öll þjálfun starfsfólks er skráð rafrænt í EQS gæðakerfið. Yfirlit yfir staðfestingu á lestri gæðaskjala má finna í gæðakerfi Arnarlax, EQS. Upplýsingar um aðra menntun má finna í Kjarna mannauðskerfi (stúdentspróf, háskólaprófgráður, diplóma menntun og annað sem ekki tengist innri þjálfun).

Yfirlitsmynd Eldisstöð Gileyrar





Birgðastaða 31.12.2025

40 tonn

Niðurstöður mælinga

Eftirfarandi mælingar voru gerðar á frárennsli Gileyrar á lágmarks lífmassa í stöð:



Syni ehf - Vikurhvarfi 3, 203 Kopavogur
profanir@syni.is Tel: +354 512-3380

Test results



Arnarlax hf.
Strandgötu 1
465 Bíldudalur

Report no. : 43584-25
Sample type: Water
Date of reception : 19.9.2025
Date of analysis : 19.9.2025
Sampling: Arnarlax hf.
Contact: Albert Amer
Establishment : Arnarlax hf. - Strandgötu 1
Approval no. A960

Sample no.	Measurement	Result	Unit	Method
25-13337	Gileyni - StartFeed Outlet sample, 19.09.2025, at: 09:00			
	Total suspended solids (TSS)	5 mg/L +/- 23%		EN 872:2005
	COD	4 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,2 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	4,7 mg/L +/- 18%		HACH - Method 10071
	* pH	8,4		
	* Ammonia NH ₃ -N	0,40 mg/L		HACH - Method 10031
25-13339	Gileyni - EE-17 Borehole water source, 19.09.2025, at: 09:00			
	Total suspended solids (TSS)	2 mg/L +/- 23%		EN 872:2005
	COD	< 3 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,2 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	4,4 mg/L +/- 18%		HACH - Method 10071
	* pH	9,5		
	* Ammonia NH ₃ -N	< 0,02 mg/L		HACH - Method 10031
25-13341	Gileyni - EE-14/15 Borehole water source, 19.09.2025, at: 09:00			
	Total suspended solids (TSS)	< 2 mg/L +/- 23%		EN 872:2005
	COD	< 3 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	4,0 mg/L +/- 18%		HACH - Method 10071
	* pH	9,4		
	* Ammonia NH ₃ -N	< 0,02 mg/L		HACH - Method 10031
25-13342	Gileyni - Fjara Borehole water source, 19.09.2025, at: 09:00			
	Total suspended solids (TSS)	< 2 mg/L +/- 23%		EN 872:2005
	COD	< 3 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	2,2 mg/L +/- 18%		HACH - Method 10071
	* pH	9,2		
	* Ammonia NH ₃ -N	0,02 mg/L		HACH - Method 10031
25-13344	Gileyni - River water source, 19.09.2025, at: 09:00			
	Total suspended solids (TSS)	< 2 mg/L +/- 23%		EN 872:2005
	COD	< 3 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	4,2 mg/L +/- 18%		HACH - Method 10071
	* pH	7,6		
	* Ammonia NH ₃ -N	< 0,02 mg/L		HACH - Method 10031
25-13345	Gileyni - Hatchery Outlet sample, 19.09.2025, at: 09:00			

Information on methods, scope and uncertainty are available at www.syni.is. This report may not be copied other than in full text. Results only relate to the test sample, as received by the laboratory. * Tests with an asterisk * are not accredited.

Test results

Sample no.	Measurement	Result	Unit	Method
	Total suspended solids (TSS)	3	mg/L +/- 23%	EN 872:2005
	COD	< 3	mg/L +/- 15%	HACH - Method 8000
	Total Phosphor P	0,2	mg/L +/- 10%	HACH - Method 8190
	Total Nitrogen N	4,3	mg/L +/- 18%	HACH - Method 10071
*	pH	8,1		
*	Ammonia NH ₃ -N	0,03	mg/L	HACH - Method 10031

Kópavogur, 23.9.2025

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Magnús Snær Árnason
Specialist

* Not accredited measurement

Eftirfarandi mælingar voru gerðar á frárennsli Gileyrar á hámarks lífmassa í stöð:



Sýni ehf - Vikurhvarfi 3, 203 Kopavogur
profanir@sýni.is Tel: +354 512-3380

Test results



Accred. no. 1701
Testing
ISO/IEC 17025
Results published by
accredited laboratory.

Amarlax hf.
Strandgötu 1
465 Bildudalur

Report no. : 41363-25-1
Sample type: Waste water
Date of reception : 30/05/2025
Date of analysis : 30/05/2025
Sampling: Arnarlax hf.
Contact: Albert Amer
Establishment : Seiðaðeldi - Gileyri
Approval no.

Sample no.	Measurement	Result	Unit	Method
25-7566	Gileyri - StartFeed outlet sample 14/05/2025			
	Total suspended solids (TSS)	4 mg/L +/- 23%		EN 872:2005
	COD	6 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	1,7 mg/L +/- 18%		HACH - Method 10071
	* pH	7,3		
	* Ammonia NH ₃ -N	1,33 mg/L		HACH - Method 10031
25-7567	Gileyri - D Tanks outlet sample 28/05/2025			
	Total suspended solids (TSS)	11 mg/L +/- 23%		EN 872:2005
	COD	10 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,3 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	4,0 mg/L +/- 18%		HACH - Method 10071
	* pH	7,2		
	* Ammonia NH ₃ -N	2,58 mg/L		HACH - Method 10031
25-7568	Gileyri - Smolt House outlet sample 28/05/2025			
	Total suspended solids (TSS)	< 2 mg/L +/- 23%		EN 872:2005
	COD	6 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,4 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	2,5 mg/L +/- 18%		HACH - Method 10071
	* pH	6,8		
	* Ammonia NH ₃ -N	1,76 mg/L		HACH - Method 10031

New report:
With corrected establishment.

Kópavogur, 13/06/2025

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Telma Rut Bjargardóttir
Specialist

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Test results

Arnarlax hf.
Strandgötu 1
465 Bıldudalur

Report no. : 41364-25-1
Sample type: Waste water
Date of reception : 30.5.2025
Date of analysis : 30.5.2025
Sampling: Arnarlax hf.
Contact: Albert Amer
Establishment : Seiðaeldi - Gileyri
Approval no.

Sample no.	Measurement	Result	Unit	Method
25-7569	Gileyri - River Water 28/05/2025			
	Total suspended solids (TSS)	< 2 mg/L +/- 23%		EN 872:2005
	COD	< 3 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	< 0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	< 0,5 mg/L +/- 18%		HACH - Method 10071
	* pH	7,3		
	* Ammonia NH ₃ -N	< 0,02 mg/L		HACH - Method 10031
25-7570	Gileyri - BoreHole EE14/15 28/05/2025			
	Total suspended solids (TSS)	< 2 mg/L +/- 23%		EN 872:2005
	COD	< 3 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	0,9 mg/L +/- 18%		HACH - Method 10071
	* pH	9,7		
	* Ammonia NH ₃ -N	< 0,02 mg/L		HACH - Method 10031
25-7571	Gileyri - BoreHole EE17 28/05/2025			
	Total suspended solids (TSS)	< 2 mg/L +/- 23%		EN 872:2005
	COD	< 3 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	0,8 mg/L +/- 18%		HACH - Method 10071
	* pH	9,2		
	* Ammonia NH ₃ -N	< 0,02 mg/L		HACH - Method 10031
25-7572	Gileyri - BoreHole Fjara 28/05/2025			
	Total suspended solids (TSS)	3 mg/L +/- 23%		EN 872:2005
	COD	6 mg/L +/- 15%		HACH - Method 8000
	Total Phosphor P	< 0,1 mg/L +/- 10%		HACH - Method 8190
	Total Nitrogen N	0,7 mg/L +/- 18%		HACH - Method 10071
	* pH	9,0		
	* Ammonia NH ₃ -N	< 0,02 mg/L		HACH - Method 10031

Test results

Sample no.	Measurement	Result	Unit	Method
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New report:

With corrected establishment.

Kópavogur, 13.6.2025

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Magnús Snær Árnason
Specialist

* Not accredited measurement

Niðurstöður botnsýnarannsóknna á Gileyri árið 2025

Key information

Site details and license holder information			
Site name	Gileyri land-based nursery and smolt station	Site coordinates	65°36.830' N 23°48.252' V
County	Tálknafjörður	Municipality	Vesturbyggð
MTB (biomass at date of survey)	193 tonnes	Operations Manager / Contact	Albert Amer Cid
License holder / customer	Arnarlax		

Production status on date of survey			
Biomass at site	193 tonnes	Total feed use	225 tonnes
Farmed species	Salmon	Total biomass produced	258 tonnes
Type/time of survey	Indicated with X	Comments B survey, sea area in front of effluent pipes (west and east) from land-based facility Gileyri (nursery and smolt rearing unit). Timing of sampling around peak biomass in the Gileyri station prior to smolt transfer to sea.	
Maximum organic load cf. chapter 7.9	☐		
Follow-up survey	☐		
Half maximum load	☐		
Pre-stock	☐		
Required by the state administrator - baseline survey	☐		
Other	☒		
Last following period:			

Results from B-survey in accordance with NS 9410:2016 (main results)			
Parameter group and index		Parameter group and status	
Gr. II. pH/Eh	0.25	Gr. II. pH/Eh	1
Gr. III. Sensory	0.42	Gr. III. Sensory	1
GR. II + III	0.33	GR. II+ III	1
Date of fieldwork	21.05.2025	Date of report	30.06.2025
Environmental status (NS 9410:2016):			1

Losun næringarefna

Losun fosfórs í viðtaka má ekki fara fram úr 10 kg/tonn af lífmassaaukingu á ári. Árið 2025 var losun fosfórs 8,0 kg/tonn.

Tæming olfugildra

Ekki kom til þess árið 2025 að efni láku í olfugildrur samkvæmt svæðisstjóra.