

Útstreymisbókhald 2017



Viðmiðunarár

2017

Upplýsingar um rekstraeininguna

Heiti móðurfélags	Stolt Sea Farm S.A.
heiti rekstraeiningar	Stolt Sea Farm Iceland Holdings hf
Kennitala rekstraeiningar	6109110480
heimilisfang	Vitabraut 7
Bær/staður	Reykjanesbær
Póstnúmer	233
Land	Ísland
Staðsetningarhnit	
Vatnasviðsumdæmi	
Kóði atvinnugreinaflokunar	
Evrópubandalaganna (4 tölustafir)	05.02
Mikilvægasta atvinnustarfsemin, skv. kóða atvinnugreinaflokunar	Fish farming

Valkvæðar upplýsingar

Framleiðslumagn	410.6
Fjöldi stöðva	1
Fjöldi klukkustunda á ári í rekstri	8760
Fjöldi starfsmanna	19
Reitur fyrir textaupplýsingar eða veffang sem vísar á umhverfis- upplýsingar sem rekstraeining eða móðurfélag vill koma á framfæri	

Öll starfsemi rekstrareiningarinnar samkvæmt I. viðauka (samkvæmt skráningarkerfinu í I. viðauka og IPPC-kóðanum, liggi slíkt fyrir)

Númer starf	E-PRTR kóði	IPPC kóði
1	7. b)	-

Upplýsingar um losun rekstrareiningarinnar í andrúmsloft fyrir hvert mengunarefni sem fer yfir viðmiðunargildi (samkvæmt II. viðauka)

Mengunarefni skv. II viðauka		Aðferð		Losun í andrúmsloft	
nr.	nafn	M/C/E	Aðferðarfræði	Heildar [kg/ár]	Óhapp [kg/ár]

Upplýsingar um losun rekstrareiningarinnar í vatn fyrir hvert mengunarefni sem fer yfir viðmiðunargildi (samkvæmt II. viðauka)

Mengunarefni skv. II viðauka		Aðferð		Losun í vatn	
nr.	nafn	M/C/E	Aðferðarfræði	Heildar [kg/ár]	Óhapp [kg/ár]
13	Heildar P	E	Estimation		
12	Heildar N	E	Estimation		

Upplýsingar um losun rekstrareiningarinnar í land fyrir hvert mengunarefni sem fer yfir viðmiðunargildi (samkvæmt II. viðauka)

Mengunarefni skv. II viðauka		Aðferð		Losun í land	
nr.	nafn	M/C/E	Aðferðarfræði	Heildar [kg/ár]	Óhapp [kg/ár]

Flutningur hvers mengunarefnis af staðnum, sem ætlað er til skólphreinsunar, í magni sem er umfram viðmiðunargildi (samkvæmt II. viðauka)

Mengunarefni skv. II viðauka		Aðferð		Losun í aðskilda fráveitu	
nr.	nafn	M/C/E	Aðferðarfræði	Heildar [kg/ár]	Óhapp [kg/ár]

Flutningur hættulegs úrgangs, sem fer yfir viðmiðunargildi (skv. 5. gr.), frá rekstrareiningunni

Innanlands			
Magn [t/ár]	D/R	(M/C/E)	Aðferðarfræði

Til annara landa

Magn [t/ár]	D/R	(M/C/E)	Aðferðarfræði	Heiti og heimilisfang endurnýtis/fargara	Heimilisfang viðtökustöðvar

Flutningur hættulauss úrgangs, sem fer yfir viðmiðunargildi (skv. 5. gr.), frá rekstrareiningunni

Magn [t/ár]	D/R	(M/C/E)	Aðferðarfræði

Lögbært yfirvald sem almenningur getur snúið sér til:

Heiti Umhverfisstofnun
 Heimilisfang Suðurlandsbraut 24
 Bær/staður Reykjavík
 Símanúmer 5912000
 Bréfasímanú 5912020
 Tölvupóstfar ust@ust.is

Árleg samantekt út frá vöktunaráætlun



Niðurstöður mælinga sem ekki koma fram í öðrum bókhaldsgögnum

					2017
				Eining	Magn
1. fóðurstuðull (FCR)				FCR	1.6
2. Niðurstöður mælinga á upphituðum kælisjó					
Parameter	Place	Date	Method	Unit	Volume
Ammonia	Wells	6/30/2017	PEE/4/90	mg/l	<0.13
Nitrogen	Wells	6/30/2017	Mét. 4500-N Standard	mg/l	<1
Conductivity	Wells	6/30/2017	PEE/4/84	µS/cm (20°C)	44900
DBO	Wells	6/30/2017	PEE/4/92	mg O ₂ /l	<12
Bicarbonate	Wells	6/30/2017	Mét.2320 B Standard	mg/l	142
Magnesium	Wells	6/30/2017	ICP-MS	mg/l	1236
chloride	Wells	6/30/2017	Mét. 4500-Cl F Standard	mg/l	<0.1
Calcium	Wells	6/30/2017	ICP-MS	mg/l	438
TOC	Wells	6/30/2017	UNE-EN 1484	mg C/l	7
Stannum	Wells	6/30/2017	ICP-MS	µg/l	0.2
Manganese	Wells	6/30/2017	ICP-MS	µg/l	11.7
Nitrate	Wells	6/30/2017	Mét.4500-NO ₃ Standard	mg/l	2.6
Nitrite	Wells	6/30/2017	PEE/4/88	mg/l	<0.03
Fluoride	Wells	6/30/2017	Electrometría	mg/l	0.54
Ferrum	Wells	6/30/2017	ICP-MS	µg/l	12.4
Phosphate	Wells	6/30/2017	PEE/4/91	mg/l	<0.15
Phosphor	Wells	6/30/2017	UNE-EN-ISO6878	mg/l	<0.3
Oxygen	Wells	6/30/2017	Norma ISO 5814	mg O ₂ /l	7.47
Ph	Wells	6/30/2017	PEE/4/83		7.99
Potassium	Wells	6/30/2017	ICP-MS	mg/l	424
Salinity	Wells	6/30/2017	PEE/4/85	mg NaCl/l	10650
Sulfate	Wells	6/30/2017	Mét.4500-SO ₄ C Standard	mg SO ₄ /l	1869
Mercury	Wells	6/30/2017	ICP-MS	µg/l	<0.010
Cadmium	Wells	6/30/2017	ICP-MS	µg/l	0.55
Lead	Wells	6/30/2017	ICP-MS	µg/l	0.03
Copper	Wells	6/30/2017	ICP-MS	µg/l	7.6
Aluminium	Wells	6/30/2017	ICP-MS	µg/l	<20
Nickel	Wells	6/30/2017	ICP-MS	µg/l	1.8
Zinc	Wells	6/30/2017	ICP-MS	µg/l	47
Chromium	Wells	6/30/2017	ICP-MS	µg/l	<2.5
Arsenic	Wells	6/30/2017	ICP-MS	µg/l	3.2
Boron	Wells	6/30/2017	ICP-MS	µg/l	4613

Árleg samantekt út frá vöktunaráætlun



2. Niðurstöður mælinga á upphituðum kælisjó					
Parameter	Place	Date	Method	Unit	Volume
Ammonia	Wells	12/5/2017	PEE/4/90	mg/l	0.14 ± 0.03
Nitrogen	Wells	12/5/2017	Mét. 4500-N Standard	mg/l	<1
Conductivity	Wells	12/5/2017	PEE/4/84	µS/cm (20°C)	38900 ± 3266
DBO	Wells	12/5/2017	PEE/4/92	mg O ₂ /l	<12
Bicarbonate	Wells	12/5/2017	Mét.2320 B Standard	mg/l	130
Magnesium	Wells	12/5/2017	ICP-MS	mg/l	1143.6
chloride	Wells	12/5/2017	Mét. 4500-Cl F Standard	mg/l	<0.1
Calcium	Wells	12/5/2017	ICP-MS	mg/l	393.6
TOC	Wells	12/5/2017	UNE-EN 1484	mg C/l	7
Stannum	Wells	12/5/2017	ICP-MS	µg/l	<2.0
Manganese	Wells	12/5/2017	ICP-MS	µg/l	< 1.0
Nitrate	Wells	12/5/2017	Mét.4500-NO ₃ Standard	mg/l	2.6
Nitrite	Wells	12/5/2017	PEE/4/88	mg/l	<0.03
Fluoride	Wells	12/5/2017	Electrometría	µg/l	< 200
Ferrum	Wells	12/5/2017	ICP-MS	µg/l	12.4
Phosphate	Wells	12/5/2017	PEE/4/91	mg/l	<0.15
Phosphor	Wells	12/5/2017	UNE-EN-ISO6878	mg/l	<0.3
Oxygen	Wells	12/5/2017	Norma ISO 5814	mg O ₂ /l	7.34
Ph	Wells	12/5/2017	PEE/4/83		7.97 ± 0.08
Potassium	Wells	12/5/2017	ICP-MS	mg/l	344
Salinity	Wells	12/5/2017	PEE/4/85	mg NaCl/l	8618
Sulfate	Wells	12/5/2017	Mét.4500-SO ₄ C Standard	mg SO ₄ /l	2231
Mercury	Wells	12/5/2017	ICP-MS	µg/l	<0.010
Cadmium	Wells	12/5/2017	ICP-MS	µg/l	0.05
Lead	Wells	12/5/2017	ICP-MS	µg/l	0.03
Copper	Wells	12/5/2017	ICP-MS	µg/l	3.6
Aluminium	Wells	12/5/2017	ICP-MS	µg/l	1.9
Nickel	Wells	12/5/2017	ICP-MS	µg/l	2.1
Zinc	Wells	12/5/2017	ICP-MS	µg/l	3.1
Chromium	Wells	12/5/2017	ICP-MS	µg/l	1.3
Arsenic	Wells	12/5/2017	ICP-MS	µg/l	< 1.0
Boron	Wells	12/5/2017	ICP-MS	µg/l	4.74

Árleg samantekt út frá vöktunaráætlun



2. Niðurstöður mælinga á upphituðum kælisjó					
Parameter	Place	Date	Method	Unit	Volume
Ammonia	HS-1	6/30/2017	PEE/4/90	mg/l	0.35
Nitrogen	HS-1	6/30/2017	Mét. 4500-N Standard	mg/l	<1
Conductivity	HS-1	6/30/2017	PEE/4/84	µS/cm (20°C)	34600
DBO	HS-1	6/30/2017	PEE/4/92	mg O ₂ /l	<12
Bicarbonate	HS-1	6/30/2017	Mét.2320 B Standard	mg/l	114
Magnesium	HS-1	6/30/2017	ICP-MS	mg/l	850
chloride	HS-1	6/30/2017	Mét. 4500-Cl F Standard	mg/l	<0.1
Calcium	HS-1	6/30/2017	ICP-MS	mg/l	330
TOC	HS-1	6/30/2017	UNE-EN 1484	mg C/l	6
Stannum	HS-1	6/30/2017	ICP-MS	µg/l	0.1
Manganese	HS-1	6/30/2017	ICP-MS	µg/l	0.7
Nitrate	HS-1	6/30/2017	Mét.4500-NO ₃ Standard	mg/l	2.1
Nitrite	HS-1	6/30/2017	PEE/4/88	mg/l	<0.03
Fluoride	HS-1	6/30/2017	Electrometría	mg/l	0.45
Ferrum	HS-1	6/30/2017	ICP-MS	µg/l	4.9
Phosphate	HS-1	6/30/2017	PEE/4/91	mg/l	<0.15
Phosphor	HS-1	6/30/2017	UNE-EN-ISO6878	mg/l	<0.3
Oxygen	HS-1	6/30/2017	Norma ISO 5814	mg O ₂ /l	7.02
Ph	HS-1	6/30/2017	PEE/4/83		7.94
Potassium	HS-1	6/30/2017	ICP-MS	mg/l	303
Sodium	HS-1	6/30/2017	ICP-MS	mg/l	7395
Sulfate	HS-1	6/30/2017	Mét.4500-SO ₄ C Standard	mg SO ₄ /l	1829
Mercury	HS-1	6/30/2017	ICP-MS	µg/l	<0.010
Cadmium	HS-1	6/30/2017	ICP-MS	µg/l	0.3
Lead	HS-1	6/30/2017	ICP-MS	µg/l	<0.02
Copper	HS-1	6/30/2017	ICP-MS	µg/l	5.1
Aluminium	HS-1	6/30/2017	ICP-MS	µg/l	<20
Nickel	HS-1	6/30/2017	ICP-MS	µg/l	1.2
Zinc	HS-1	6/30/2017	ICP-MS	µg/l	0.3
Chromium	HS-1	6/30/2017	ICP-MS	µg/l	<2.5
Arsenic	HS-1	6/30/2017	ICP-MS	µg/l	2.8
Boron	HS-1	6/30/2017	ICP-MS	µg/l	3537

Árleg samantekt út frá vöktunaráætlun



Parameter	Place	Date	Method	Unit	Volume
Ammonia	HS-1	12/5/2017	PEE/4/90	mg/l	0.13 ±0.03
Nitrogen	HS-1	12/5/2017	Mét. 4500-N Standard	mg/l	<1
Conductivity	HS-1	12/5/2017	PEE/4/84	µS/cm (20°C)	34300 ±2540
DBO	HS-1	12/5/2017	PEE/4/92	mg O ₂ /l	<12
Bicarbonate	HS-1	12/5/2017	Mét.2320 B Standard	mg/l	115
Magnesium	HS-1	12/5/2017	ICP-MS	mg/l	1034.7
chloride	HS-1	12/5/2017	Mét. 4500-Cl F Standard	mg/l	0.1
Calcium	HS-1	12/5/2017	ICP-MS	mg/l	351.7
TOC	HS-1	12/5/2017	UNE-EN 1484	mg C/l	6
Stannum	HS-1	12/5/2017	ICP-MS	µg/l	<2.0
Manganese	HS-1	12/5/2017	ICP-MS	µg/l	<1.0
Nitrate	HS-1	12/5/2017	Mét.4500-NO ₃ Standard	mg/l	1.8
Nitrite	HS-1	12/5/2017	PEE/4/88	mg/l	<0.03
Fluoride	HS-1	12/5/2017	Electrometría	µg/l	<200
Ferrum	HS-1	12/5/2017	ICP-MS	µg/l	<2.0
Phosphate	HS-1	12/5/2017	PEE/4/91	mg/l	<0.15
Phosphor	HS-1	12/5/2017	UNE-EN-ISO6878	mg/l	<0.3
Oxygen	HS-1	12/5/2017	Norma ISO 5814	mg O ₂ /l	7.44
Ph	HS-1	12/5/2017	PEE/4/83		7.95
Potassium	HS-1	12/5/2017	ICP-MS	mg/l	317.4
Sodium	HS-1	12/5/2017	ICP-MS	mg/l	7776.7
Sulfate	HS-1	12/5/2017	Mét.4500-SO ₄ C Standard	mg SO ₄ /l	1934
Mercury	HS-1	12/5/2017	ICP-MS	µg/l	<0.010
Cadmium	HS-1	12/5/2017	ICP-MS	µg/l	<0.05
Lead	HS-1	12/5/2017	ICP-MS	µg/l	<1.0
Copper	HS-1	12/5/2017	ICP-MS	µg/l	1.5
Aluminium	HS-1	12/5/2017	ICP-MS	µg/l	3.1
Nickel	HS-1	12/5/2017	ICP-MS	µg/l	<1.0
Zinc	HS-1	12/5/2017	ICP-MS	µg/l	1.5
Chromium	HS-1	12/5/2017	ICP-MS	µg/l	<1.0
Arsenic	HS-1	12/5/2017	ICP-MS	µg/l	<1.0
Boron	HS-1	12/5/2017	ICP-MS	µg/l	3880

Árleg samantekt út frá vöktunaráætlun



2. Niðurstöður mælinga á upphituðum kælisjó					
Parameter	Place	Date	Method	Unit	Volume
Ammonia	HT-2	6/30/2017	PEE/4/90	mg/l	0.19
Nitrogen	HT-2	6/30/2017	Mét. 4500-N Stand	mg/l	<1
Conductivity	HT-2	6/30/2017	PEE/4/84	µS/cm (20°C)	38200
DBO	HT-2	6/30/2017	PEE/4/92	mg O ₂ /l	<12
Bicarbonat	HT-2	6/30/2017	Mét.2320 B Stand	mg/l	125
Magnesium	HT-2	6/30/2017	ICP-MS	mg/l	1010
chloride	HT-2	6/30/2017	Mét. 4500-Cl F Sta	mg/l	<0.1
Calcium	HT-2	6/30/2017	ICP-MS	mg/l	386
TOC	HT-2	6/30/2017	UNE-EN 1484	mg C/l	6
Stannum	HT-2	6/30/2017	ICP-MS	µg/l	<0.1
Manganese	HT-2	6/30/2017	ICP-MS	µg/l	0.45
Nitrate	HT-2	6/30/2017	Mét.4500-NO ₃ Sta	mg/l	1.9
Nitrite	HT-2	6/30/2017	PEE/4/88	mg/l	<0.03
Fluoride	HT-2	6/30/2017	Electrometría	mg/l	0.46
Ferrum	HT-2	6/30/2017	ICP-MS	µg/l	6
Phosphate	HT-2	6/30/2017	PEE/4/91	mg/l	<0.15
Phosphor	HT-2	6/30/2017	UNE-EN-ISO6878	mg/l	<0.3
Oxygen	HT-2	6/30/2017	Norma ISO 5814	mg O ₂ /l	7.08
Ph	HT-2	6/30/2017	PEE/4/83		7.94
Potassium	HT-2	6/30/2017	ICP-MS	mg/l	350
Sodium	HT-2	6/30/2017	ICP-MS	mg/l	8778
Sulfate	HT-2	6/30/2017	Mét.4500-SO ₄ C St	mg SO ₄ /l	1771
Mercury	HT-2	6/30/2017	ICP-MS	µg/l	<0.010
Cadmium	HT-2	6/30/2017	ICP-MS	µg/l	0.3
Lead	HT-2	6/30/2017	ICP-MS	µg/l	<0.02
Copper	HT-2	6/30/2017	ICP-MS	µg/l	1.7
Aluminium	HT-2	6/30/2017	ICP-MS	µg/l	<20
Nickel	HT-2	6/30/2017	ICP-MS	µg/l	0.8
Zinc	HT-2	6/30/2017	ICP-MS	µg/l	8.7
Chromium	HT-2	6/30/2017	ICP-MS	µg/l	<2.5
Arsenic	HT-2	6/30/2017	ICP-MS	µg/l	3.1
Boron	HT-2	6/30/2017	ICP-MS	µg/l	3760

Árleg samantekt út frá vöktunaráætlun



Parameter	Place	Date	Method	Unit	Volume
Ammonia	HT-2	12/5/2017	PEE/4/90	mg/l	0.23 ±0.05
Nitrogen	HT-2	12/5/2017	Mét. 4500-N Stand	mg/l	< 1
Conductivity	HT-2	12/5/2017	PEE/4/84	µS/cm (20°C)	25000 ±2540
DBO	HT-2	12/5/2017	PEE/4/92	mg O ₂ /l	12
Bicarbonate	HT-2	12/5/2017	Mét.2320 B Stand	mg/l	117
Magnesium	HT-2	12/5/2017	ICP-MS	mg/l	1062.8
Chloride	HT-2	12/5/2017	Mét. 4500-Cl F Sta	mg/l	0.1
Calcium	HT-2	12/5/2017	ICP-MS	mg/l	381.7
TOC	HT-2	12/5/2017	UNE-EN 1484	mg C/l	6
Stannum	HT-2	12/5/2017	ICP-MS	µg/l	<2.0
Manganese	HT-2	12/5/2017	ICP-MS	µg/l	<1.0
Nitrate	HT-2	12/5/2017	Mét.4500-NO ₃ Sta	mg/l	2.3
Nitrite	HT-2	12/5/2017	PEE/4/88	mg/l	<0.03
Fluoride	HT-2	12/5/2017	Electrometría	µg/l	<200
Ferrum	HT-2	12/5/2017	ICP-MS	µg/l	<2.0
Phosphate	HT-2	12/5/2017	PEE/4/91	mg/l	<0.15
Phosphor	HT-2	12/5/2017	UNE-EN-ISO6878	mg/l	<0.3
Oxygen	HT-2	12/5/2017	Norma ISO 5814	mg O ₂ /l	7.72
pH	HT-2	12/5/2017	PEE/4/83		7.90 ± 0.08
Potassium	HT-2	12/5/2017	ICP-MS	mg/l	299.8
Sodium	HT-2	12/5/2017	ICP-MS	mg/l	7367.7
Sulfate	HT-2	12/5/2017	Mét.4500-SO ₄ C Sta	mg SO ₄ /l	1961
Mercury	HT-2	12/5/2017	ICP-MS	µg/l	<0.01
Cadmium	HT-2	12/5/2017	ICP-MS	µg/l	<0.05
Lead	HT-2	12/5/2017	ICP-MS	µg/l	<1
Copper	HT-2	12/5/2017	ICP-MS	µg/l	1.5
Aluminium	HT-2	12/5/2017	ICP-MS	µg/l	3
Nickel	HT-2	12/5/2017	ICP-MS	µg/l	<1
Zinc	HT-2	12/5/2017	ICP-MS	µg/l	1.6
Chromium	HT-2	12/5/2017	ICP-MS	µg/l	<1
Arsenic	HT-2	12/5/2017	ICP-MS	µg/l	<1
Boron	HT-2	12/5/2017	ICP-MS	µg/l	4150

3. Niðurstöður mælinga úr útrás

NB: Það var ákveðið að taka niðurstöður úr útlæði einu sinni á þriggja ára fresti.