## Sewage discharge report 2021

## Ananaust

The sewage discharge report for the treatment plant in Ananaust in Reykjavik provide information on the outflow of pollutants exceeding the reference values in Annex II of Regulation (EC) no. 166/2006. Calculations are based on the results of analyses on samples collected from treated sewage four times a year regarding measurements of nitrogen and phosphorus and twice a year for trace elements and the average flow of the plant, which was 1,094 l/sec.

REFERE	ENCE YEAR			2021			
INFROM	ATION ON THE	E OPERATIONAL UNIT					
	of parent comp				Reykjavik Energy		
Name of operational unit				Veitur Utilities - Ananaust sewage treatment plant			
National ID of the operational unit				501213-1870			
Address				Ananaust 10			
Town/location				Reykjavik			
Postal code				101			
Country				Iceland			
Local coordinates				354,566.305/412,477.62			
Catchment area district				004,000.000/412,477.02			
Code for occupational category under EC/EU law				90.01			
Most important occupational activity				Collection	and treatment of sewage		
	NAL INFORMAT	•					
Product	tion quantity						
	r of plants				1		
	•	l hours per year					
	r of employees						
		ation or web address refe	U				
environ	mental informa	ition that the operational u	unit or parent				
ALL OP	PERATION OF T	HE OPERATIONAL UNIT A	ACCORDING TO AN	INEX i (according to the system in	n Annex I and the IPPC code, if a	vailable).	
OPERA	TION NO.	OPERATI	ON	IPPC-CODE			
5.(f)		Sewage treatment plant	s for urban areas	-			
	SAL OF EACH P	OLLUTANT EXCEEDING	THE QUANTITY OF	THE CRITERION VALUE (in accord	dance with Annex II)		
DISPOS		ORDING TO ANNEX II	THE QUANTITY OF	THE CRITERION VALUE (in accord PROCEDURE	dance with Annex II) DISPOSAL IN WA	TER	
DISPOS			THE QUANTITY OF	-			
DISPOS	UTANTS ACC	ORDING TO ANNEX II		PROCEDURE	DISPOSAL IN WA	TER Incident [kg/yr]	
DISPOS POLL no.	UTANTS ACC	ORDING TO ANNEX II Name	WC/E	PROCEDURE Procedure	DISPOSAL IN WA Total [kg/yr]		
DISPOS POLL no. 12	UTANTS ACC	ORDING TO ANNEX II Name otal nitrogen	M/C/E M	PROCEDURE Procedure ALT - EN ISO 11905-1	DISPOSAL IN WA Total [kg/yr] 432,562		
POLL no. 12 13	UTANTS ACC To Tota As ar	ORDING TO ANNEX II Name otal nitrogen I phosphorus	M/C/E M M	PROCEDURE Procedure ALT - EN ISO 11905-1 ALT - EN 1189	DISPOSAL IN WA           Total [kg/yr]           432,562           62,322		
DISPOS POLL no. 12 13 17	UTANTS ACC To Tota As ar Cd ar	ORDING TO ANNEX II Name otal nitrogen I phosphorus ad compounds	M/C/E M M M	PROCEDURE Procedure ALT - EN ISO 11905-1 ALT - EN 1189 EPA 200.8 K(ICP-MS)	DISPOSAL IN WA Total [kg/yr] 432,562 62,322 Below the detection limit		
DISPOS           POLL           no.           12           13           17           18	UTANTS ACC To Tota As ar Cd ar Cr ar	ORDING TO ANNEX II Name otal nitrogen I phosphorus ad compounds ad compounds	M/C/E M M M M M	PROCEDURE Procedure ALT - EN ISO 11905-1 ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	DISPOSAL IN WA Total [kg/yr] 432,562 62,322 Below the detection limit Below the detection limit		
DISPOS           POLL           no.           12           13           17           18           19	UTANTS ACC To Tota As ar Cd ar Cr ar Cu ar	ORDING TO ANNEX II Name otal nitrogen Il phosphorus ad compounds ad compounds ad compounds	M/C/E M M M M M M	PROCEDURE Procedure ALT - EN ISO 11905-1 ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	DISPOSAL IN WA Total [kg/yr] 432,562 62,322 Below the detection limit Below the detection limit Below the detection limit Below the detection limit Below or near the detection		
DISPOS           POLL           no.           12           13           17           18           19           20	UTANTS ACC Tota As ar Cd au Cr ar Cu au Hg au	ORDING TO ANNEX II Name otal nitrogen Il phosphorus ad compounds ad compounds ad compounds ad compounds	M/C/E M M M M M M M M	PROCEDURE Procedure ALT - EN ISO 11905-1 ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	DISPOSAL IN WA Total [kg/yr] 432,562 62,322 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit		
DISPOS           POLL           no.           12           13           17           18           19           20           21	UTANTS ACC Tota Tota As ar Cd aı Cr ar Cu aı Hg aı Ni ar	ORDING TO ANNEX II Name otal nitrogen Il phosphorus ad compounds ad compounds ad compounds ad compounds ad compounds ad compounds	M/C/E M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           ALT - EN ISO 11905-1           ALT - EN 1189           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           ALT - EN ISO 17852:2006	DISPOSAL IN WA         Total [kg/yr]         432,562         62,322         Below the detection limit		
DISPOS           POLL           no.           12           13           17           18           19           20           21           22           23           24	UTANTS ACCO Tota As ar Cd ar Cd ar Cr ar Cu ar Hg ar Ni ar Pb ar Zn ar	ORDING TO ANNEX II         Name         otal nitrogen         Il phosphorus         nd compounds         nd compounds	M/C/E M M M M M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           ALT - EN ISO 11905-1           ALT - EN 1189           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           ALT - EN ISO 17852:2006           EPA 200.8 K(ICP-MS)	DISPOSAL IN WA         Total [kg/yr]         432,562         62,322         Below the detection limit		
DISPOS           POLL           no.           12           13           17           18           19           20           21           22           23           24	UTANTS ACCO Tota As ar Cd ar Cd ar Cr ar Cu ar Hg ar Ni ar Pb ar Zn ar	ORDING TO ANNEX II         Name         ntal nitrogen         Il phosphorus         nd compounds	M/C/E M M M M M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           ALT - EN ISO 11905-1           ALT - EN ISO 11905-1           EPA 200.8 K(ICP-MS)	DISPOSAL IN WA         Total [kg/yr]         432,562         62,322         Below the detection limit		
DISPOS           POLL           no.           12           13           17           18           19           20           21           22           23           24	UTANTS ACCO Tota As ar Cd ar Cd ar Cr ar Cu ar Hg ar Ni ar Pb ar Zn ar	ORDING TO ANNEX II         Name         otal nitrogen         Il phosphorus         nd compounds         nd compounds	M/C/E M M M M M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           ALT - EN ISO 17852:2006           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)	DISPOSAL IN WA         Total [kg/yr]         432,562         62,322         Below the detection limit		
DISPOS           POLL           no.           12           13           17           18           19           20           21           22           23           24           COMPE	UTANTS ACC Tota Tota As ar Cd ar Cd ar Cr ar Cu ar Hg ar Ni ar Pb ar Zn ar	ORDING TO ANNEX II         Name         otal nitrogen         Il phosphorus         nd compounds         nd compounds	M/C/E M M M M M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           ALT - EN 1189           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           ALT - EN ISO 17852:2006           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           The Environ	DISPOSAL IN WA         Total [kg/yr]         432,562         62,322         Below the detection limit         1,569		
DISPOS           POLL           no.           12           13           17           18           19           20           21           22           23           24           COMPE           Name	UTANTS ACCO Tota As ar Cd ar Cd ar Cr ar Cu ar Hg ar Ni ar Pb ar Zn ar <b>ETENT AUTHOR</b>	ORDING TO ANNEX II         Name         otal nitrogen         Il phosphorus         nd compounds         nd compounds	M/C/E M M M M M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           ALT - EN 1189           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           ALT - EN ISO 17852:2006           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           The Environ	DISPOSAL IN WA Total [kg/yr] 432,562 62,322 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit Below the detection limit Below the detection limit 1,569		
DISPOS           POLL           no.           12           13           17           18           19           20           21           22           23           24           COMPEE           Name           Address	UTANTS ACCO Tota Tota As ar Cd ar Cd ar Cr ar Cu ar Hg ar Ni ar Pb ar Zn ar <b>ETENT AUTHOR</b>	ORDING TO ANNEX II         Name         otal nitrogen         Il phosphorus         nd compounds         nd compounds	M/C/E M M M M M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           ALT - EN 1189           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           ALT - EN ISO 17852:2006           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           The Environ	DISPOSAL IN WA         Total [kg/yr]         432,562         62,322         Below the detection limit         Udurlandsbraut 24	1	
DISPOS           POLL           no.           12           13           17           18           19           20           21           22           23           24           COMPE           Name           Address           Town/dd	UTANTS ACCO Tota Tota As ar Cd ar Cd ar Cr ar Cu ar Hg ar Ni ar Pb ar Zn ar <b>ETENT AUTHOR</b>	ORDING TO ANNEX II         Name         otal nitrogen         Il phosphorus         nd compounds         nd compounds	M/C/E M M M M M M M M M M M M M	PROCEDURE           Procedure           ALT - EN ISO 11905-1           ALT - EN 1189           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           ALT - EN ISO 17852:2006           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           EPA 200.8 K(ICP-MS)           The Environ	DISPOSAL IN WA Total [kg/yr] 432,562 62,322 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit Below the detection limit Below the detection limit 1,569 mmental Agency of Iceland udurlandsbraut 24 Reykjavik		

## Klettagardar

The sewage discharge report for the treatment plant in Klettagardar in Reykjavik provide information on the outflow of pollutants exceeding the reference values in Annex II of Regulation (EC) no. 166/2006. Calculations are based on the results of analyses on samples collected from treated sewage four times a year regarding measurements of nitrogen and phosphorus and twice a year for trace elements and the average flow of the plant, which was 1,494 l/sec.

	NCE YEAR			2021			
INFROM	IATION ON THE OP	ERATIONAL UNIT					
	of parent company				Reykjavik Energy		
	of operational unit			Veitur Utilities - Klettagardar sewage treatment plant			
National ID of the operational unit				501213-1870			
Address				Ananaust 10			
Town/location				Reykjavik			
Postal code				101			
Country				Iceland			
Local coordinates				357,634.866/413,556.416			
Catchm	ent area district						
Code fo	or occupational cate	gory under EC/EU law		90.01			
Most important occupational activity				Collection and treatment of sewage			
OPTION		•			, , , , , , , , , , , , , , , , , , ,		
Producti	ion quantity						
Number	r of plants				1		
	r of operational hou	irs per year					
	r of employees						
		or web address referring	,				
environn	mental information	that the operational unit o	or parent				
ALL OPI	ERATION OF THE C	PERATIONAL UNIT ACCO	ORDING TO ANNE	K i (according to the system in	n Annex I and the IPPC code, if avai	ilable).	
OPERA	TION NO.	OPERATIO	NC	IPPC-CODE			
5.(f)		Sewage treatment plants	s for urban areas	-			
DISPOS	SAL OF EACH POLL	UTANT EXCEEDING THE	QUANTITY OF THE	CRITERION VALUE (in accord	dance with Annex II)		
PO	LLUTANTS ACCO	RDING TO ANNEX II	F	PROCEDURE	DISPOSAL IN WATE	R	
no.		Name	M/C/E	Procedure	Total [kg/yr]	اسم منام معلم الدمير السا	
12					· • • • • • • • • • • • • • • • • • • •	Incident [kg/yr]	
	Tota	ll nitrogen	М	ALT - EN ISO 11905-1	454,893	Incident [kg/yr]	
13		Il nitrogen bhosphorus	M	ALT - EN ISO 11905-1 ALT - EN 1189		inclaent [kg/yr]	
13 17	Total p	-			454,893		
	Total p As and	phosphorus	М	ALT - EN 1189	454,893 64,043		
17	Total p As and Cd and	phosphorus compounds	M	ALT - EN 1189 EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit		
17 18	Total p As and Cd and Cr and	ohosphorus compounds compounds	M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit		
17 18 19	Total p As and Cd and Cr and Cu and	compounds compounds compounds compounds	M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit		
17 18 19 20	Total p As and Cd and Cr and Cu and Hg and	compounds compounds compounds compounds compounds	M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit		
17 18 19 20 21	Total p As and Cd and Cr and Cu and Hg and Ni and	compounds compounds compounds compounds compounds compounds	M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit		
17       18       19       20       21       22       23       24	Total p As and Cd and Cr and Cu and Hg and Ni and Pb and Zn and	ohosphorus compounds compounds compounds compounds compounds compounds compounds compounds	M M M M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006 EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit		
17       18       19       20       21       22       23       24	Total p As and Cd and Cr and Cu and Hg and Ni and Pb and Zn and	ohosphorus compounds compounds compounds compounds compounds compounds compounds	M M M M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit		
17       18       19       20       21       22       23       24	Total p As and Cd and Cr and Cu and Hg and Ni and Pb and Zn and	ohosphorus compounds compounds compounds compounds compounds compounds compounds compounds	M M M M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit		
17       18       19       20       21       22       23       24	Total p As and Cd and Cr and Cu and Hg and Ni and Pb and Zn and	ohosphorus compounds compounds compounds compounds compounds compounds compounds compounds	M M M M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit 2,078		
17       18       19       20       21       22       23       24       COMPET       Name	Total p As and Cd and Cr and Cu and Hg and Ni and Pb and Zn and <b>TENT AUTHORITY</b>	ohosphorus compounds compounds compounds compounds compounds compounds compounds compounds	M M M M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit 2,078		
17       18       19       20       21       22       23       24       COMPE       Name       Address	Total p As and Cd and Cr and Cu and U and Hg and Ni and Pb and Zn and Zn and Zn and Ctent AUTHORITY	ohosphorus compounds compounds compounds compounds compounds compounds compounds compounds	M M M M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit Below the detection limit 2,078 vironmental Agency of Iceland Sudurlandsbraut 24		
17       18       19       20       21       22       23       24       COMPE       Name       Address       Town/loor	Total p As and Cd and Cr and Cu and U and Hg and Ni and Pb and Zn and Zn and Zn and Ctent AUTHORITY	ohosphorus compounds compounds compounds compounds compounds compounds compounds compounds	M M M M M M M M M	ALT - EN 1189 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS) ALT - EN ISO 17852:2006 EPA 200.8 K(ICP-MS) EPA 200.8 K(ICP-MS)	454,893 64,043 Below the detection limit Below the detection limit Below the detection limit Below or near the detection limit Below the detection limit Below the detection limit Below the detection limit 2,078 vironmental Agency of Iceland Sudurlandsbraut 24 Reykjavik		