

This appendix refers to the EPD MD-22139-EN_rev1, developed according to EN15804+A2:2019. Results in the appendix communicates LCA results in the format described in EN15804+A1:2013, in order to accommodate a need in the transition period between the two standard revisions. The appendix cannot stand alone, as the reference EPD describes the basis of the assessment.

ENVIRONMENTAL IMPACTS PER 1 m ² Viking 280									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	6.37E-01	4.06E-02	4.85E-03	0.00E+00	1.19E-03	7.51E-01	0.00E+00	-3.47E-01
ODP	[kg CFC11-eq.]	8.84E-09	4.84E-15	7.26E-16	0.00E+00	1.42E-16	3.79E-14	0.00E+00	-2.13E-10
AP	[kg SO ₂ -eq.]	2.09E-03	3.57E-05	9.07E-07	0.00E+00	1.05E-06	4.49E-05	0.00E+00	-5.85E-04
EP	[kg PO ₄ ³⁻ -eq.]	4.98E-04	7.42E-06	1.84E-07	0.00E+00	2.17E-07	1.00E-05	0.00E+00	-1.07E-04
POCP	[kg ethene-eq.]	2.42E-04	-1.22E-06	5.07E-08	0.00E+00	-3.59E-08	4.81E-06	0.00E+00	-5.62E-05
ADPE	[kg Sb-eq.]	1.95E-06	4.23E-09	3.38E-11	0.00E+00	1.24E-10	8.13E-10	0.00E+00	-7.12E-08
ADPF	[MJ]	2.06E+01	5.44E-01	3.69E-03	0.00E+00	1.59E-02	7.38E-02	0.00E+00	-3.79E+00
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources								
	The numbers are declared in scientific notation, e.g., 1.95E+02. This number can also be written as: 1.95*10 ² or 195, while 1.12E-11 is the same as 1.12*10 ⁻¹¹ or 0.0000000000112.								

RESOURCE USE PER 1 m ² Viking 280									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	[MJ]	1.48E+00	3.81E-02	5.20E-04	0.00E+00	1.12E-03	2.07E-02	0.00E+00	-3.18E+00
PERM	[MJ]	1.63E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	1.64E+00	3.81E-02	5.20E-04	0.00E+00	1.12E-03	2.07E-02	0.00E+00	-3.18E+00
PENRE	[MJ]	2.16E+01	5.52E-01	3.93E-03	0.00E+00	1.62E-02	8.76E-02	0.00E+00	-5.09E+00
PENRM	[MJ]	9.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.14E+01	5.52E-01	3.93E-03	0.00E+00	1.62E-02	8.76E-02	0.00E+00	-5.09E+00
SM	[kg]	1.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	4.82E-03	4.40E-05	1.30E-05	0.00E+00	1.29E-06	1.62E-03	0.00E+00	-2.16E-03
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water								
	The numbers are declared in scientific notation, e.g., 1.95E+02. This number can also be written as: 1.95*10 ² or 195, while 1.12E-11 is the same as 1.12*10 ⁻¹¹ or 0.0000000000112.								

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 m ² Viking 280									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HWD	[kg]	1.08E-09	2.92E-12	1.54E-13	0.00E+00	8.56E-14	8.24E-12	0.00E+00	-6.98E-10
NHWD	[kg]	3.53E-03	9.00E-05	2.17E-04	0.00E+00	2.63E-06	2.98E-03	0.00E+00	-9.59E-03
RWD	[kg]	1.60E-04	1.02E-06	7.96E-08	0.00E+00	3.00E-08	5.30E-06	0.00E+00	-4.82E-04

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	1.81E-02	0.00E+00	6.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.60E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.85E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy								
	The numbers are declared in scientific notation, e.g., 1.95E+02. This number can also be written as: 1.95*10 ² or 195, while 1.12E-11 is the same as 1.12*10 ⁻¹¹ or 0.0000000000112.								

Checked and approved by

Ninkie Bendtsen

Ninkie Bendtsen
Third party verifier of MD-22139-EN_rev1

Martha Katrine Sørensen

Martha Katrine Sørensen
EPD Danmark