

I. SUMMARY

I General information about the CNP

(a) About the operator

Operator Name	METLEN Energy & Metals
Member State	Greece
Emissions trading permit number	member state/CA prefix
Competent Authority	MINISTRY OF ENVIRONMENT AND ENERGY/Directorate of Climate Change and Atmospheric Quality/Department of Market Mec
CNP submitted by	DH company at company level

The operator of this installation confirms that this plan may be used by the competent authority and the European Commission.
The operator of this installation confirms the conformity of the system boundaries of emissions.

(b) About the installation(s)

No.	Installation Name	Registry ID (as in NIMS)	Unique ID	Address	City	State/Province/Region	Postcode/ZIP	Country
1	ALUMINIUM OF GREECE	51	GR0000000000000051	AGIOS NIKOLAOS	DISTOMON	VOTIA	320 03	Greece

II Historical emissions

No.	Product type	Unit	2019	2020	2021	2022	2023	Estimate
1	[Primary] Aluminium	t CO2e / t	2,072	2,171	1,982	1,843	1,868	0,000
2	Pre-bake anode	t CO2e / t	0,480	0,462	0,453	0,483	0,428	0,000
11	Fuel benchmark sub-installation, CL, non-CBAM	TJ	61,38	61,56	61,39	61,59	60,14	0,00
15	Fuel benchmark sub-installation, CL, non-CBAM	TJ	55,78	55,65	56,90	66,46	56,52	0,00
17	Fuel benchmark sub-installation, CBAM	TJ	55,78	55,65	55,63	55,70	55,75	0,00

III Specific targets relative to the relevant benchmark and to the baseline value

(a) Specific targets relative to the relevant benchmark values

No.	Product type	BM value	2025	2030	2035	2040	2045	2050
1	[Primary] Aluminium	1,4640	0%	195%	195%	195%	95%	0%
2	Pre-bake anode	0,3120	0%	147%	145%	143%	109%	0%
11	Fuel benchmark sub-installation, CL, non-CBAM	47,30	0%	117%	107%	15%	12%	0%
15	Fuel benchmark sub-installation, CL, non-CBAM	42,60	0%	137%	137%	109%	34%	0%
17	Fuel benchmark sub-installation, CBAM	42,60	0%	131%	98%	65%	33%	0%

(b) Specific targets relative to the average specific emissions during the baseline

No.	Product type	Baseline	2025	2030	2035	2040	2045	2050
1	[Primary] Aluminium	1,9872	0%	199%	199%	199%	76%	0%
2	Pre-bake anode	0,4632	0%	99%	99%	99%	69%	0%
11	Fuel benchmark sub-installation, CL, non-CBAM	61,21	0%	91%	83%	12%	10%	0%
15	Fuel benchmark sub-installation, CL, non-CBAM	58,26	0%	100%	100%	89%	25%	0%
17	Fuel benchmark sub-installation, CBAM	55,70	0%	100%	75%	59%	25%	0%

III Gantt charts for measures, investments & milestones

(a) Measures

	2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
1 ME1: 2024/IEP001-FO						
2 ME2: 2024/IA0001-OX						
3 ME3: MVR 1.2- Electrification 1						
4 ME4: Electrification 2						
5 ME5: MVR 3 - Electrification 3 - IA 1						
6 ME6: Electrification 4- IA 2						

(b) Investments

	2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
1 IN1: MVR phase1/3						
2 IN2: Electrical Furnace FO phase 1/4						
3 IN3: MVR phase 2/3						
4 IN4: Electrical Furnace OX ph1/3						
5 IN5: Electrical Furnace FO phase 2/4						
6 IN6: Electrical boiler phase 1/2						
7 IN7: Electrical Furnace OX phase 2/3						
8 IN8: Inert Anodes phase 1/2						
9 IN9: Electrical Furnace FO phase 3/4						
10 IN14: Electrical Furnace FO phase 4/4						

(c) Milestones

	<= 2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
1 M1: Completion of action plans to achieve improvements in energy efficiency of casthouse's furnaces.						
2 M2: Completion of action plans to achieve improvements in energy efficiency in alumina production depis.						
3 M3: Dismantling of old furnaces and installation of electric ones. and start of MVR operation						
4 M4: Dismantling of old furnaces and installation of electric ones.						
5 M5: Preparation in order to be able to consume inert anodes in Smelter dept.						
6 M6: Start of inert anodes consumption (Smelter) and dismantling of old furnaces and installation of electric ones.						
7 M7: Total consumption of inert anodes and dismantling of rest old furnaces and installation of electric ones.						
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