

APPENDICE 2

Trends emissivi Camini Area a caldo

Dati di produzione e emissioni diffuse totali nello stabilimento

TAVOLA 1: Cokerie (Camini E424, E425, E428, E435, E437)

TAVOLA 2: Agglomerato (E312, E314b, E315b, E324 e E325)

TAVOLA 3: Acciaierie (E525, E525b, E551b e E551c)

TAVOLA 4: Altoforni (E102b, E103b, E109, E111, E112, E114, E134, E 135 e E137)

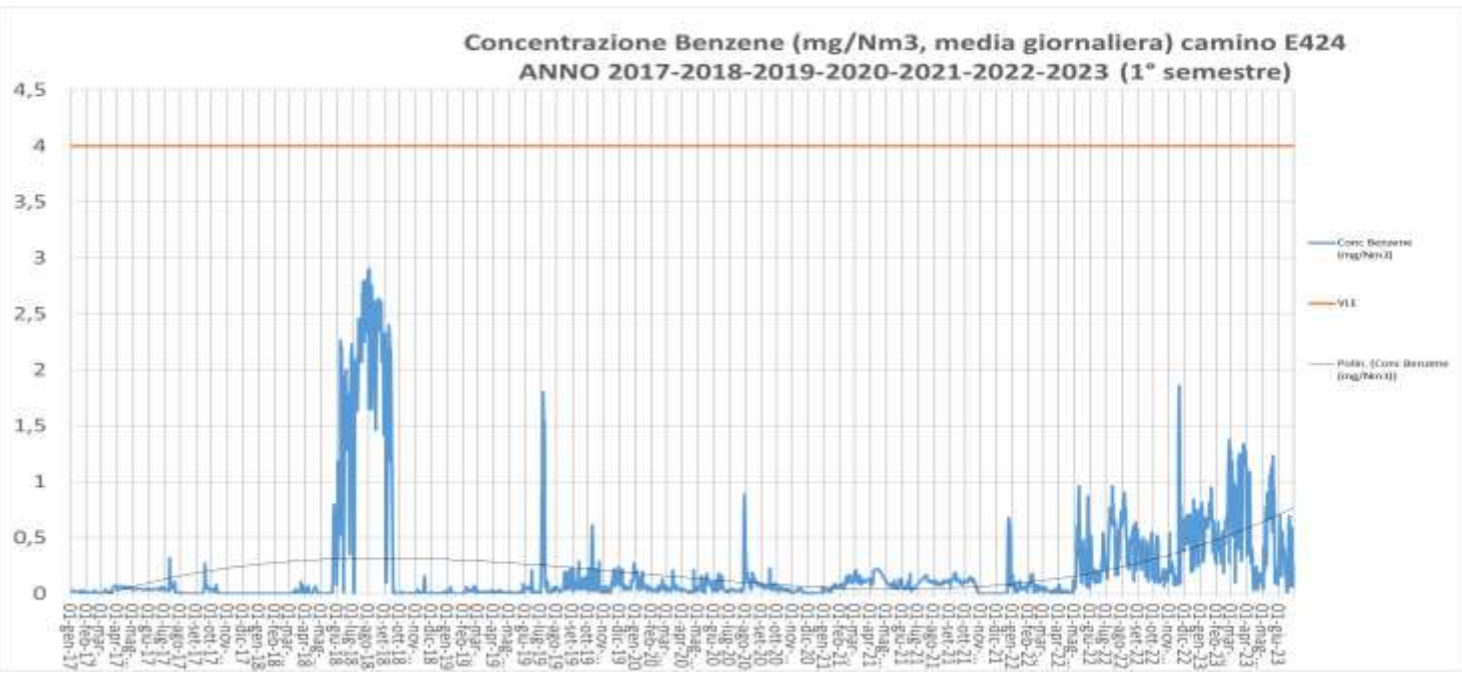
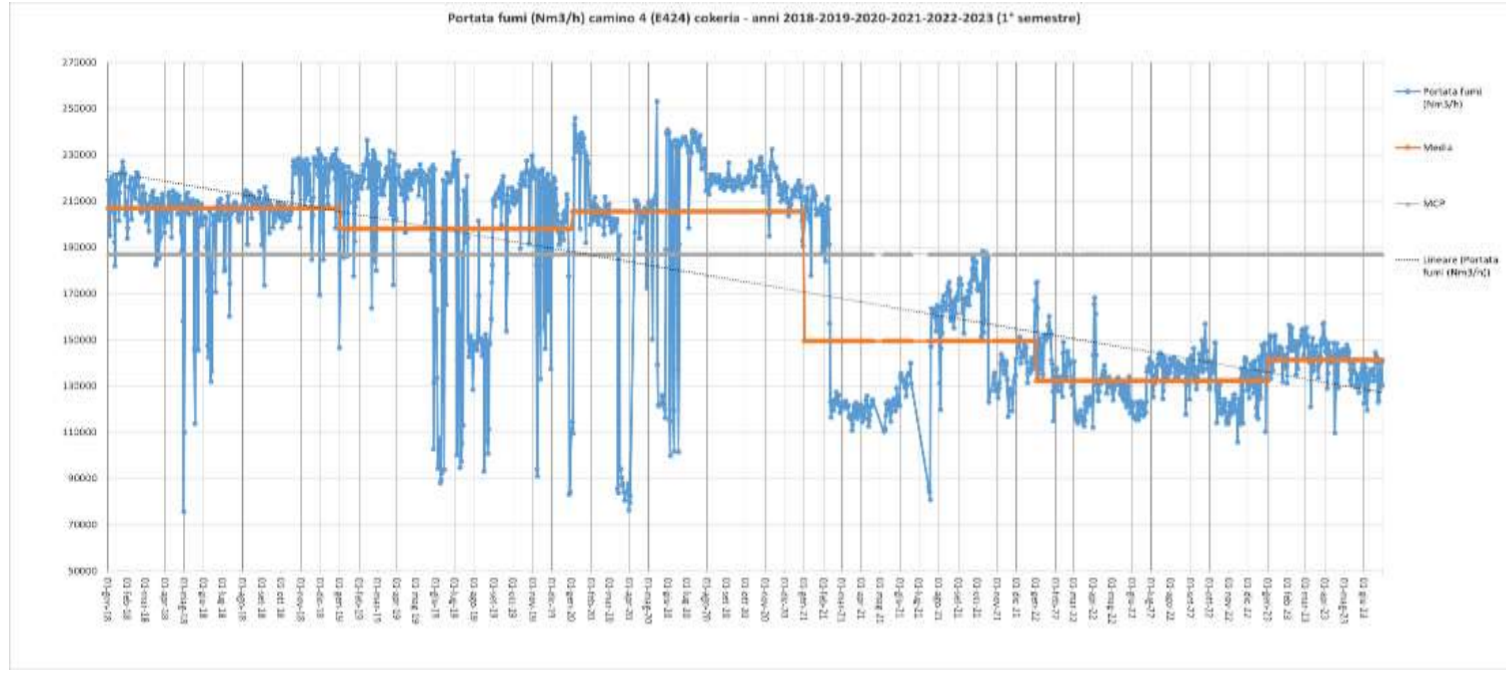
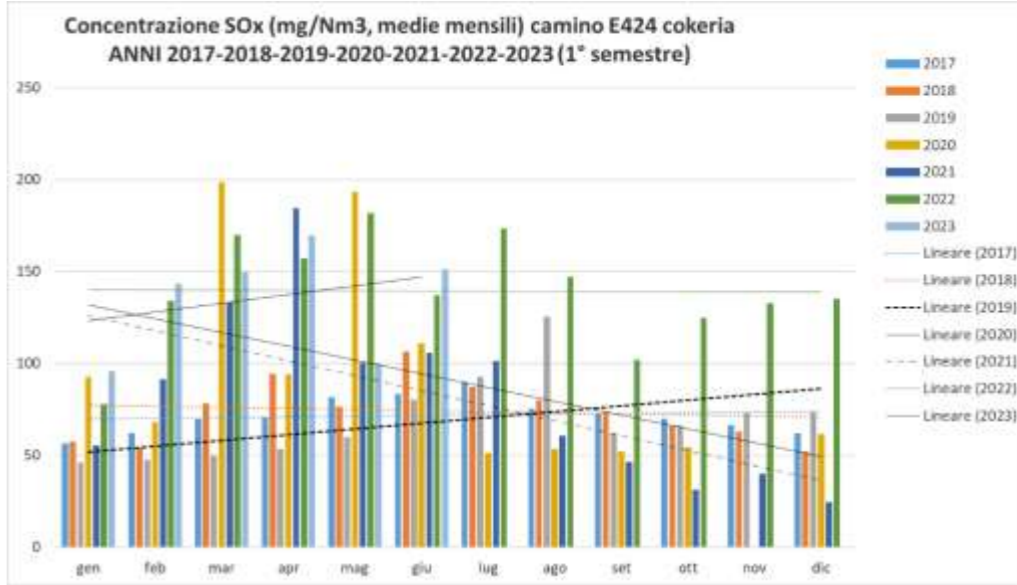
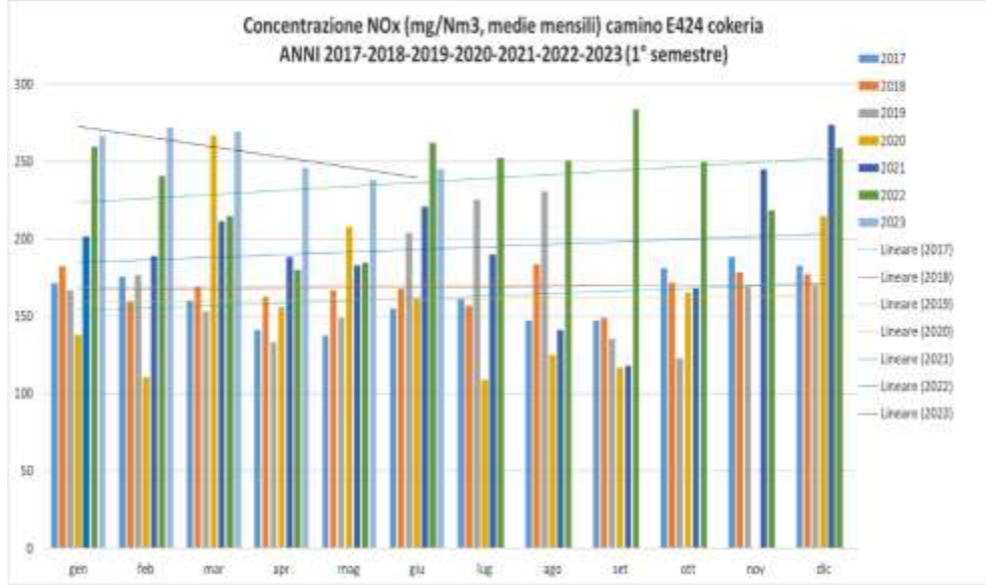
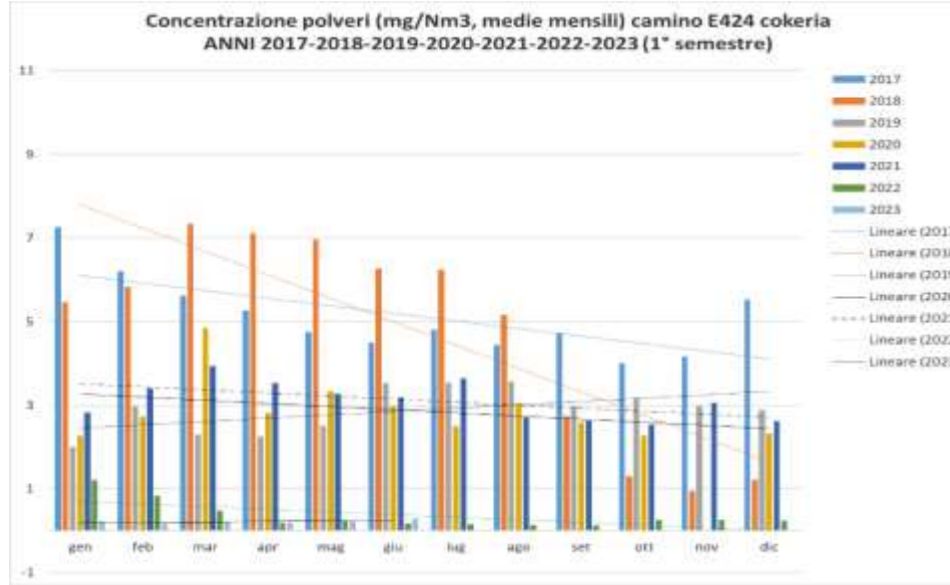
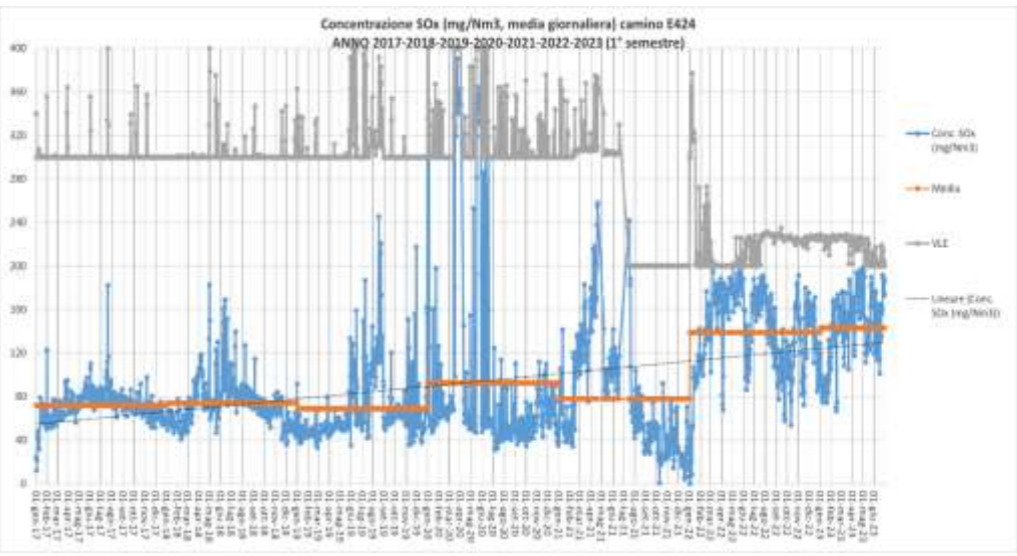
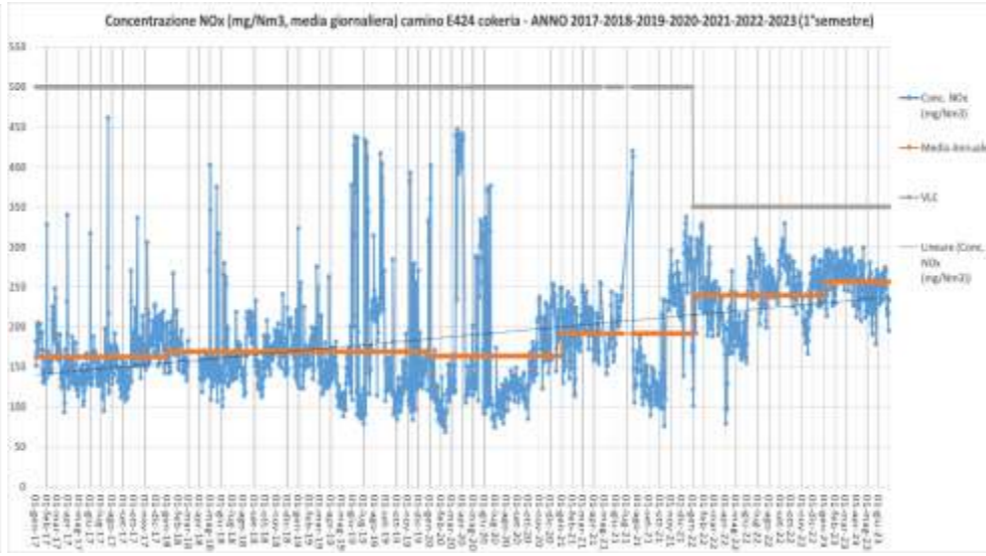
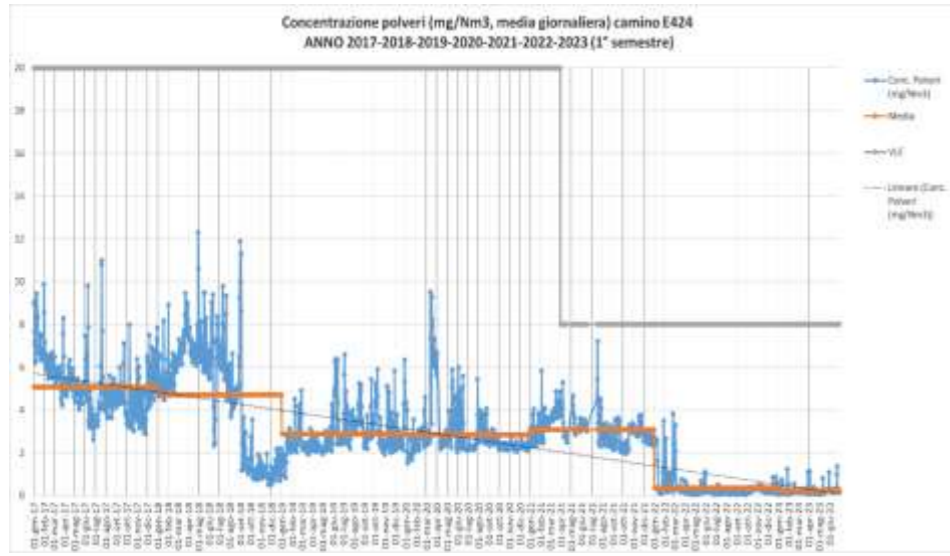
TAVOLA 5: Produzione di acciaio e emissioni diffuse totali nello stabilimento

TAVOLA 6: Produzione Agglomerato e Cokeria

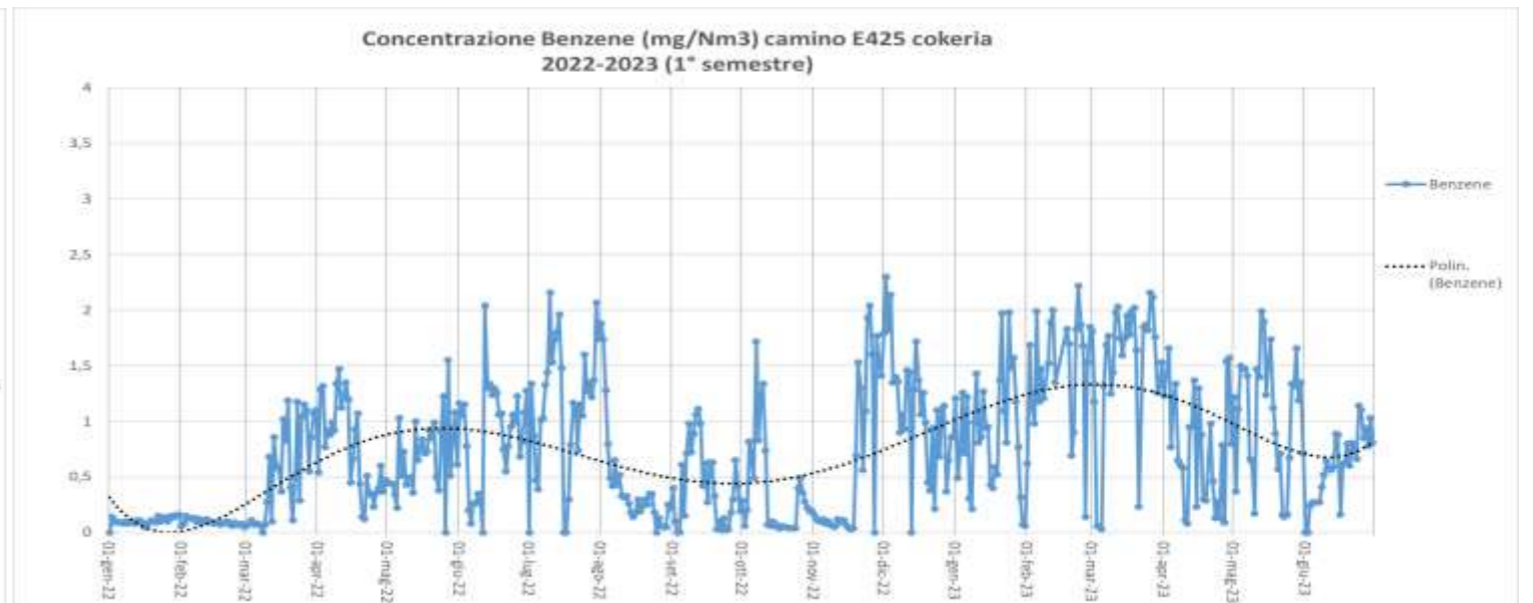
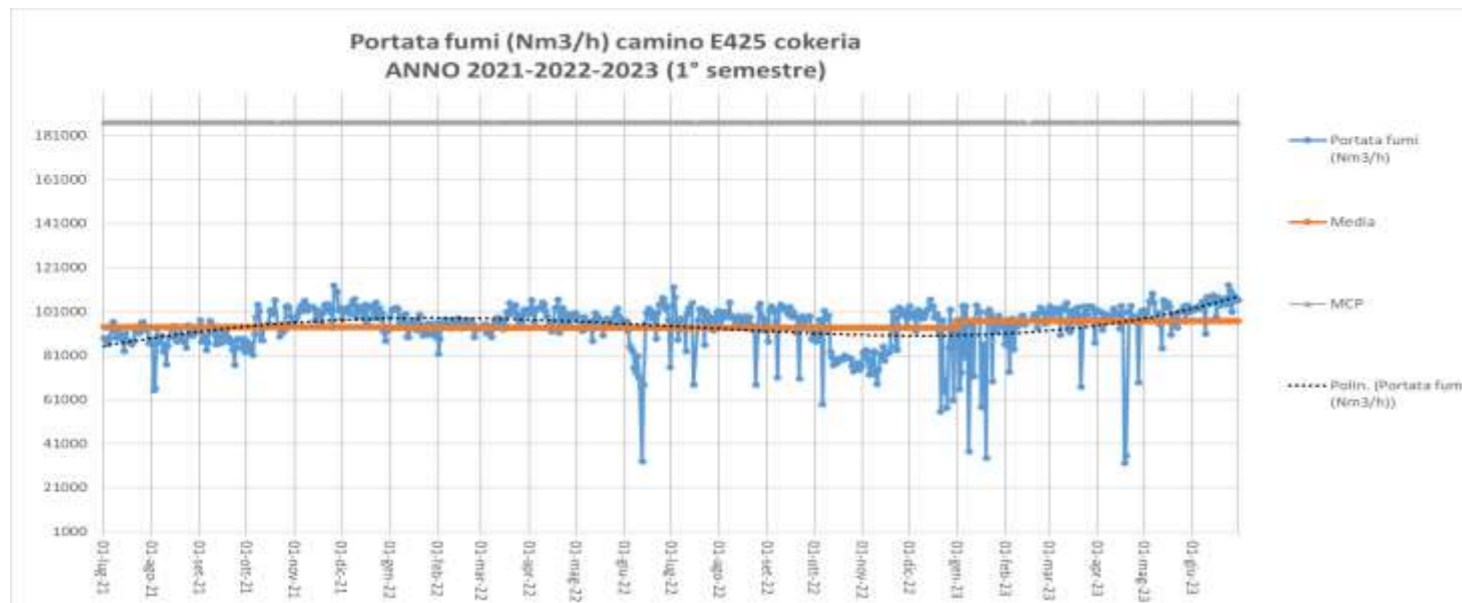
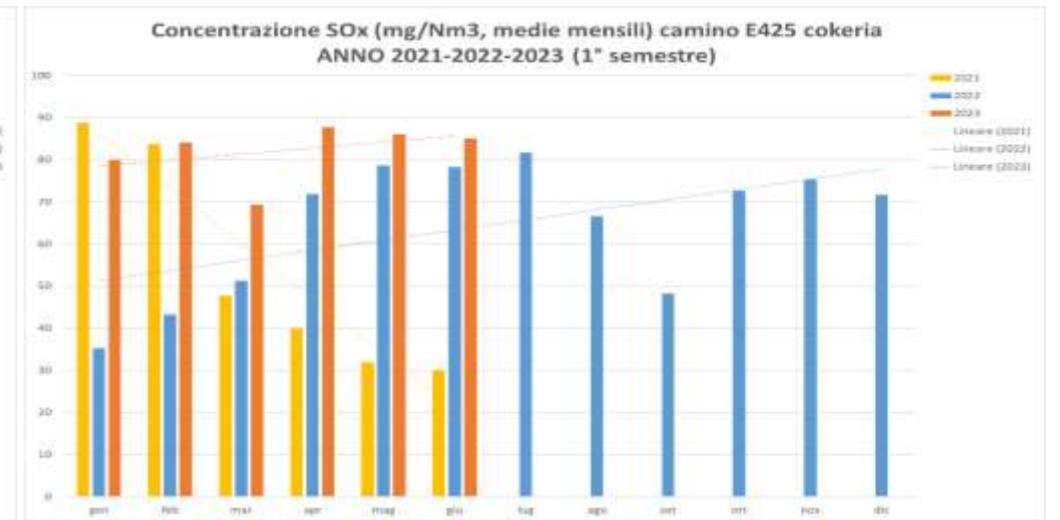
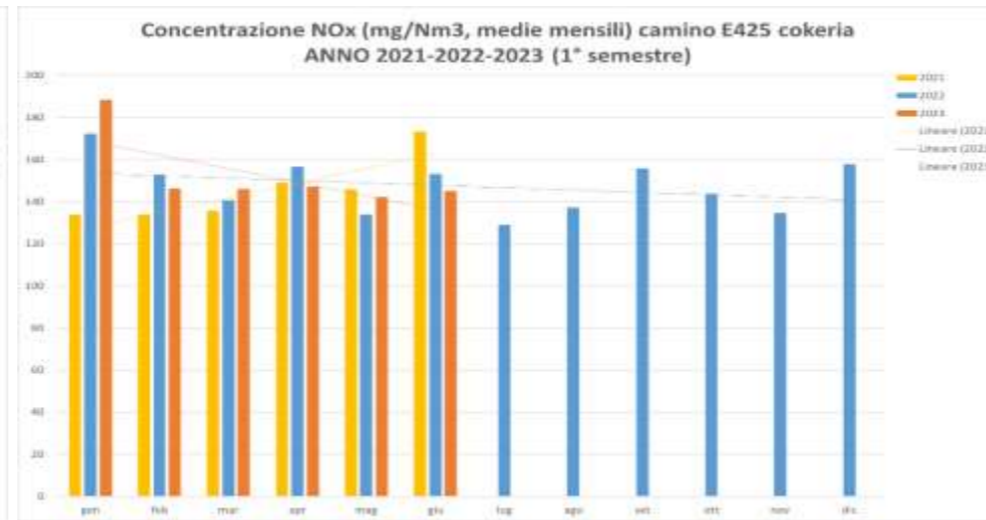
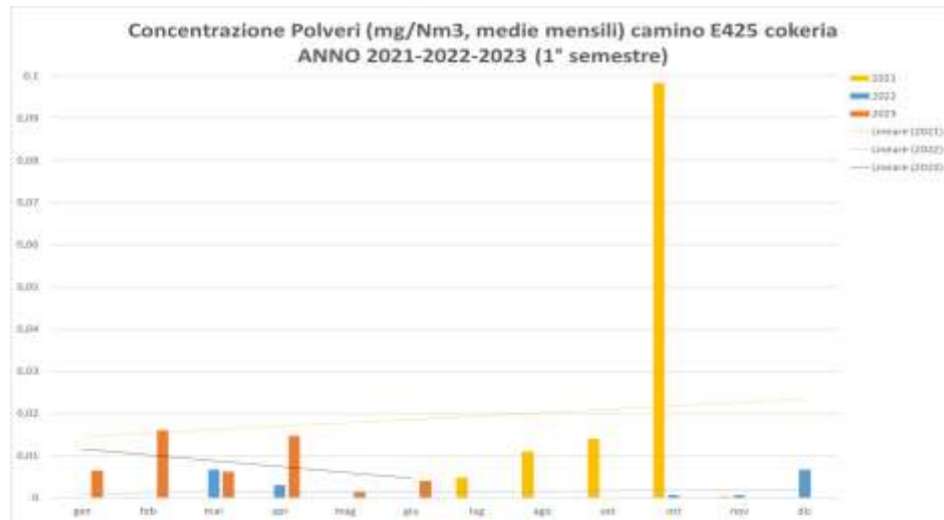
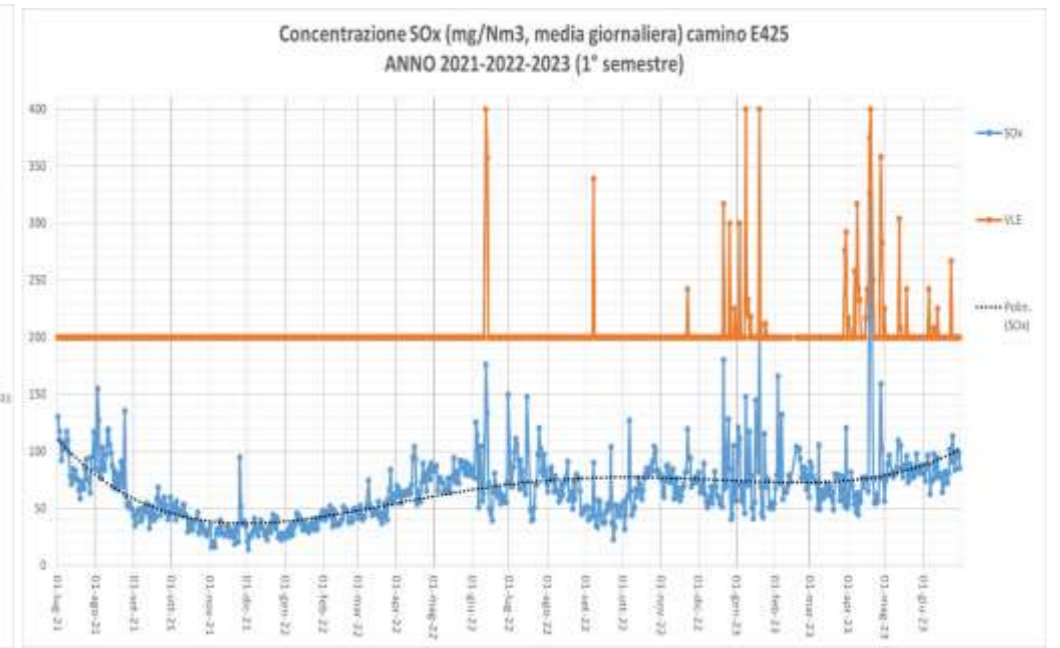
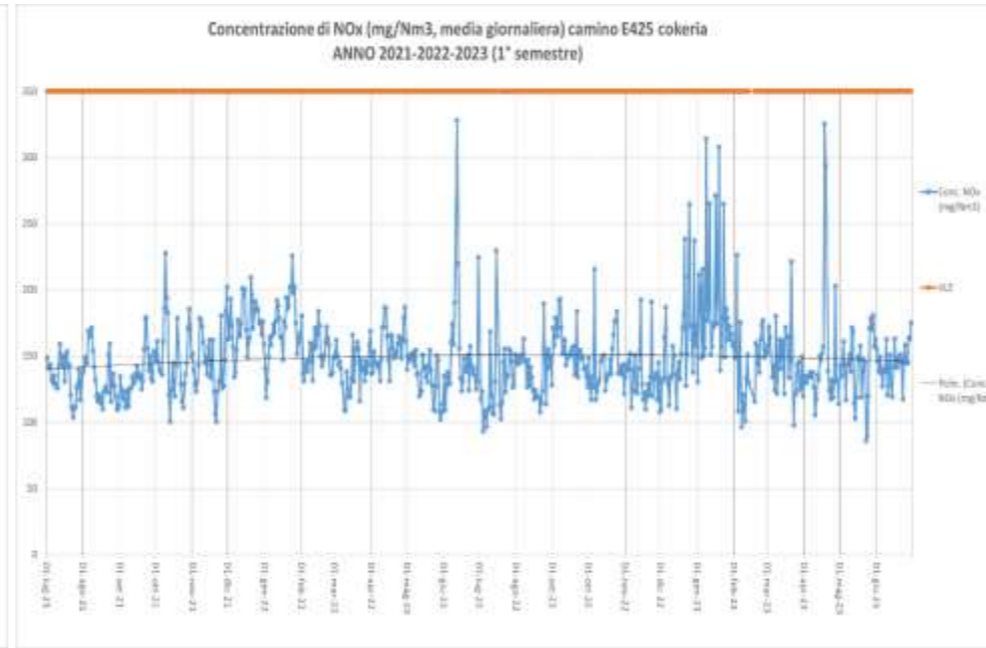
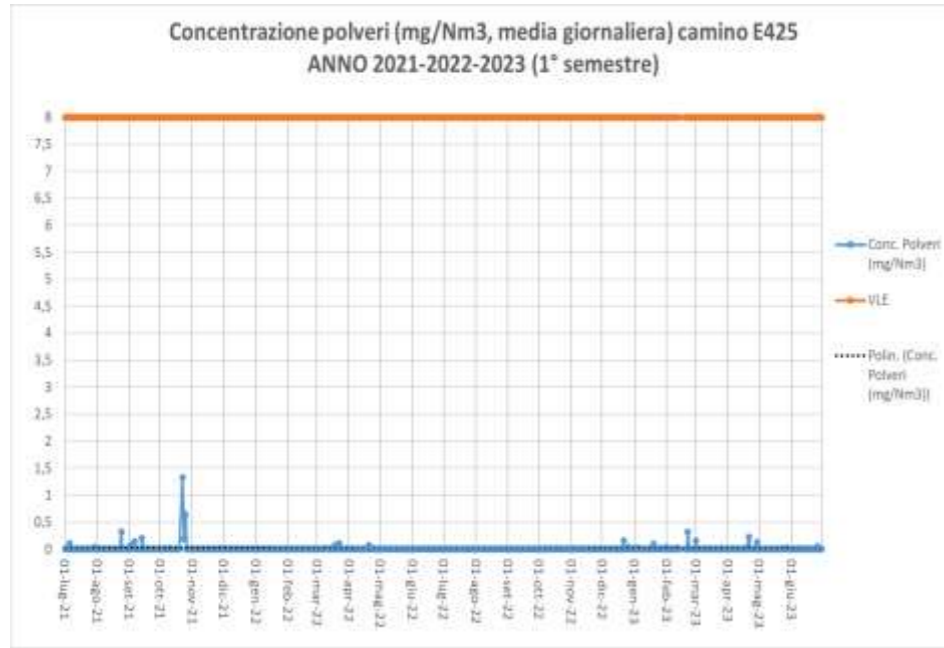
TAVOLA 1 - Camini cokeria (COK)

E424, E425, E428, E435, E437

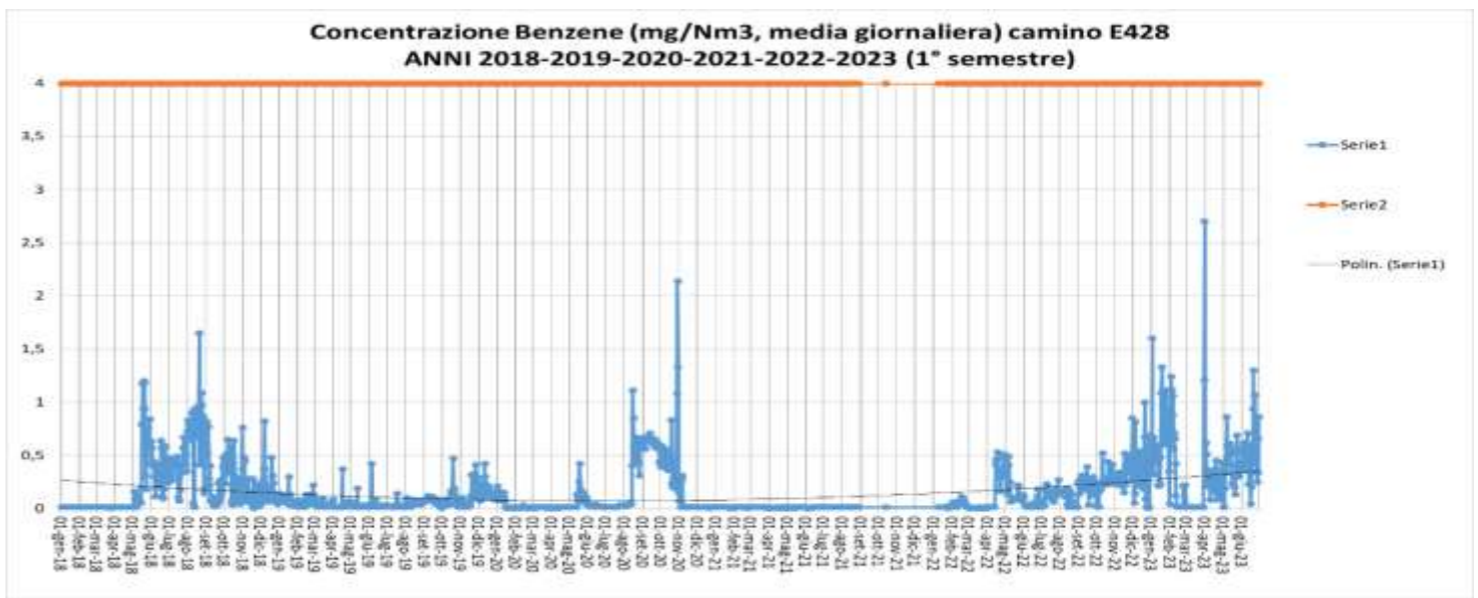
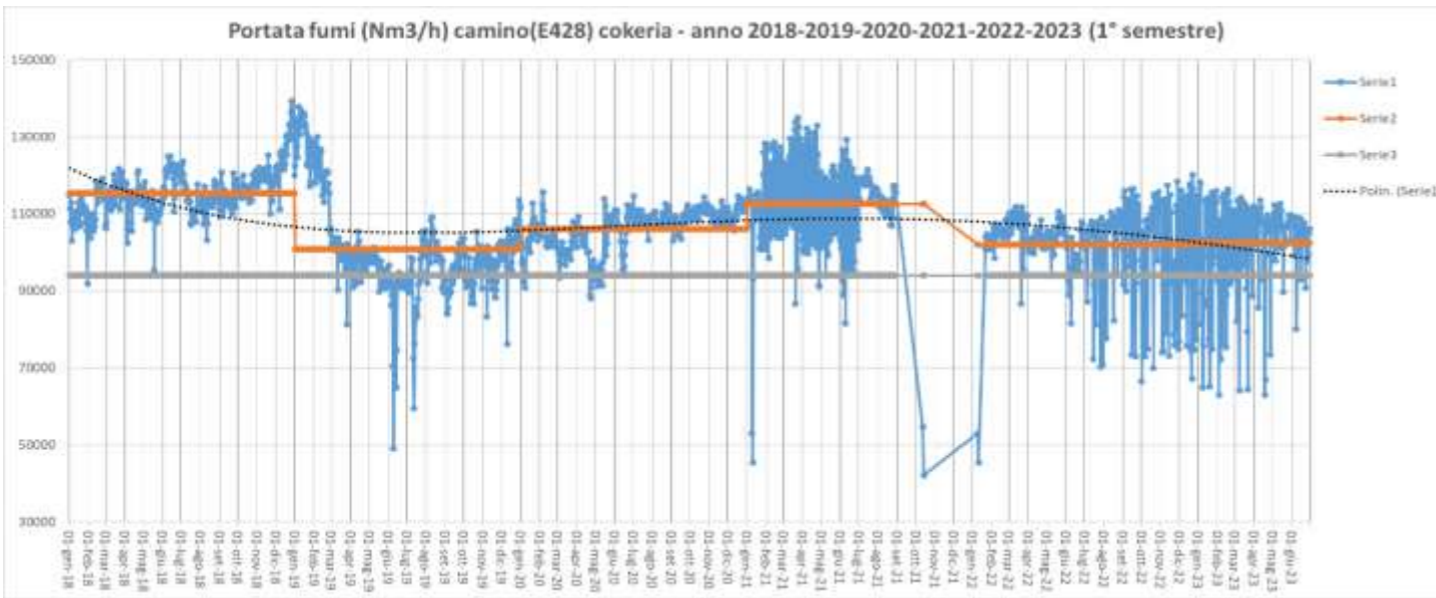
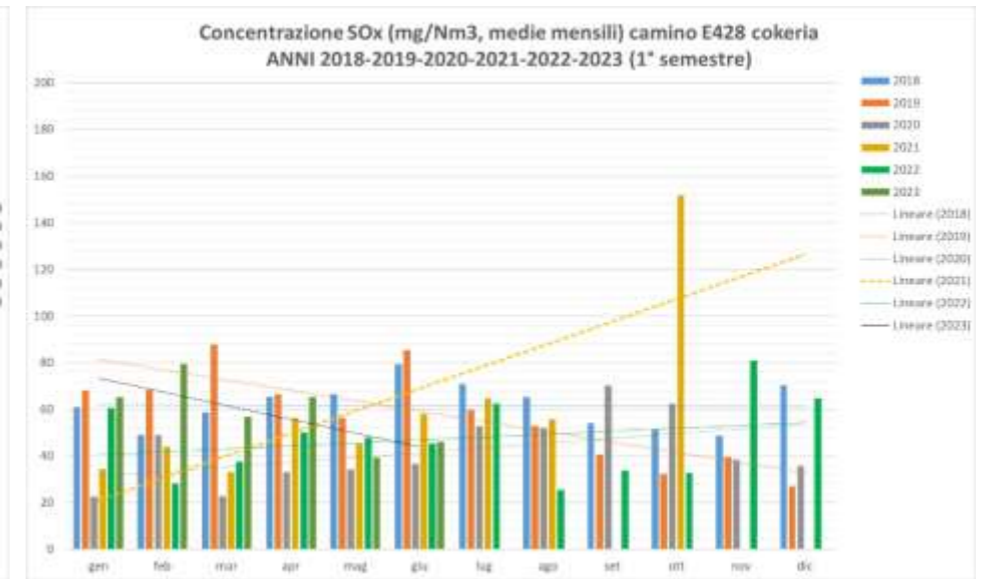
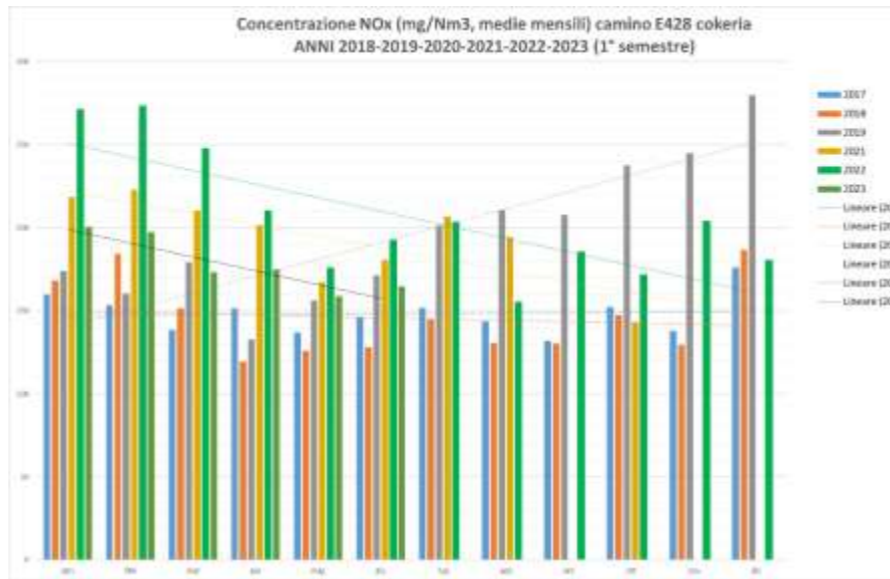
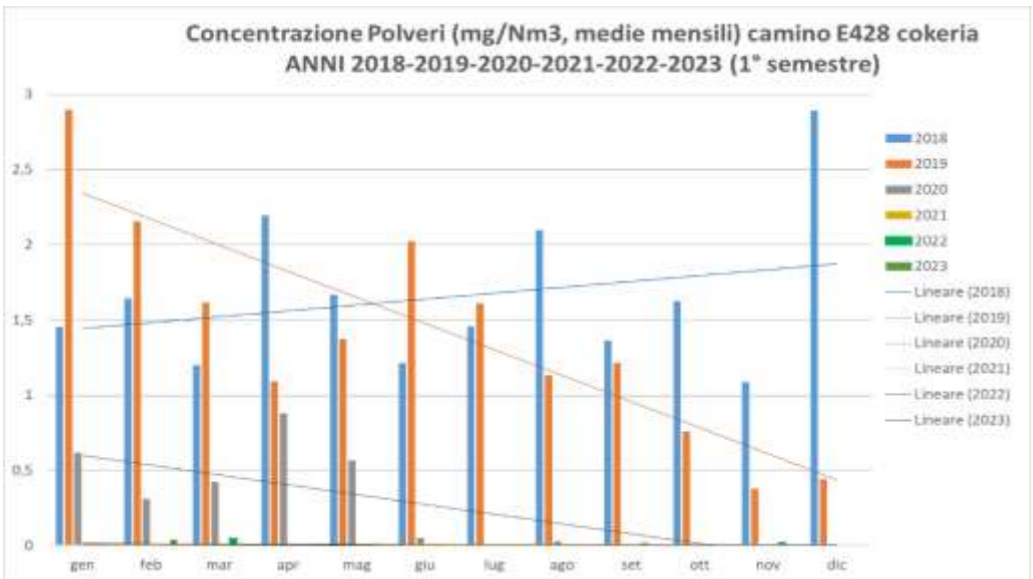
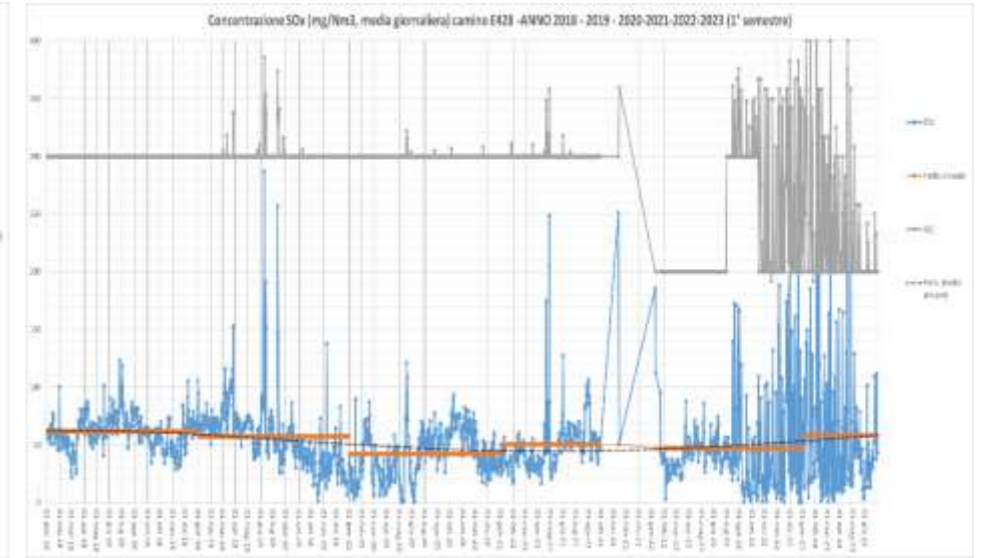
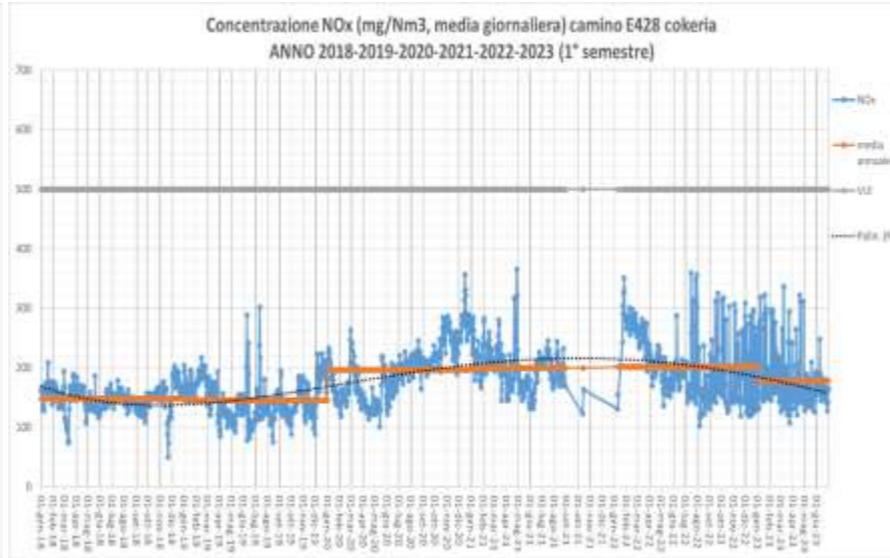
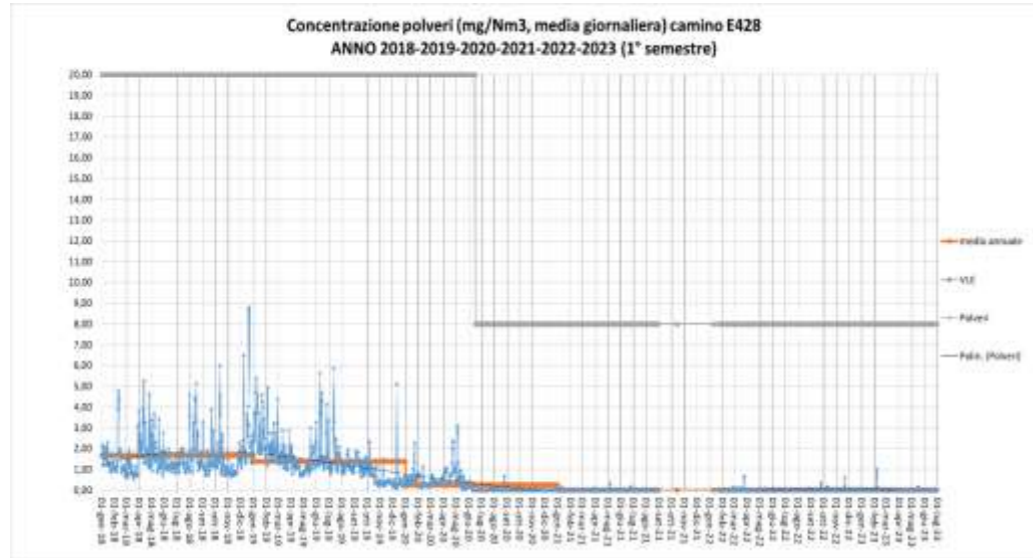
Camino E424



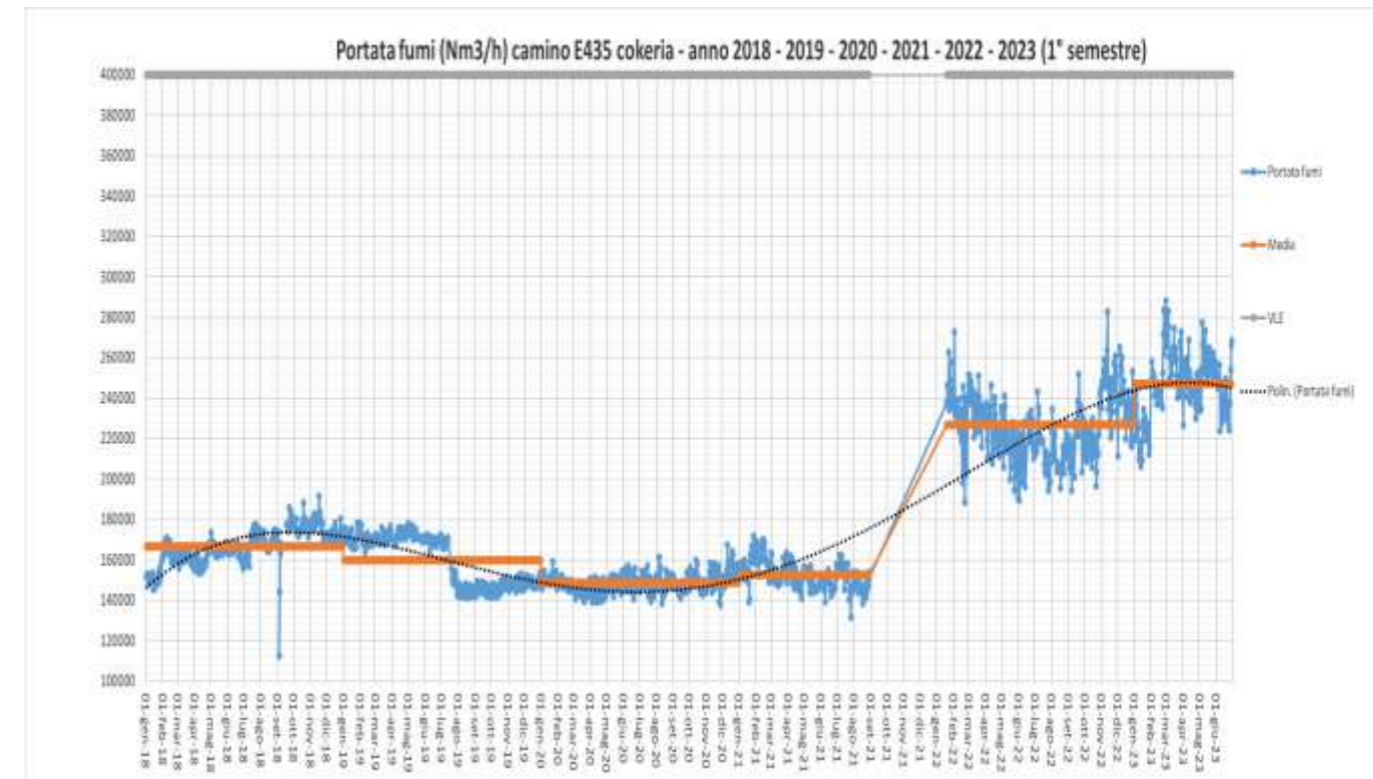
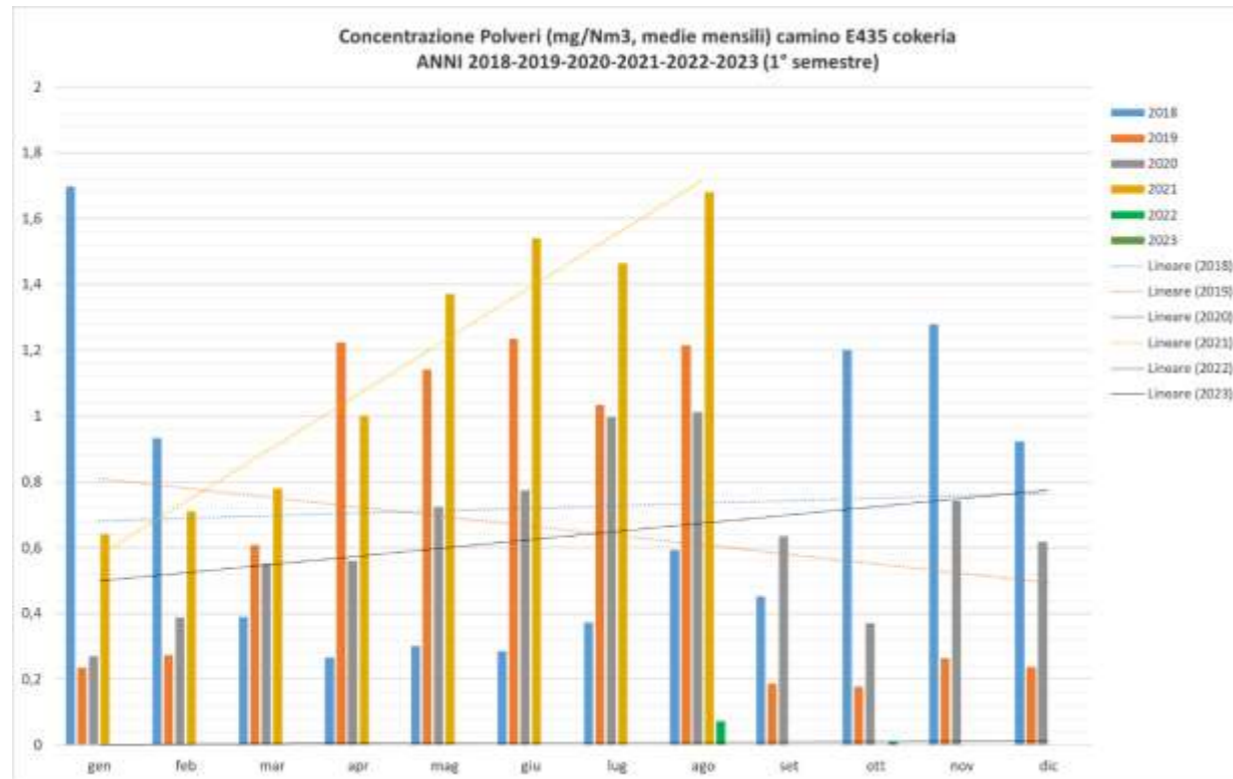
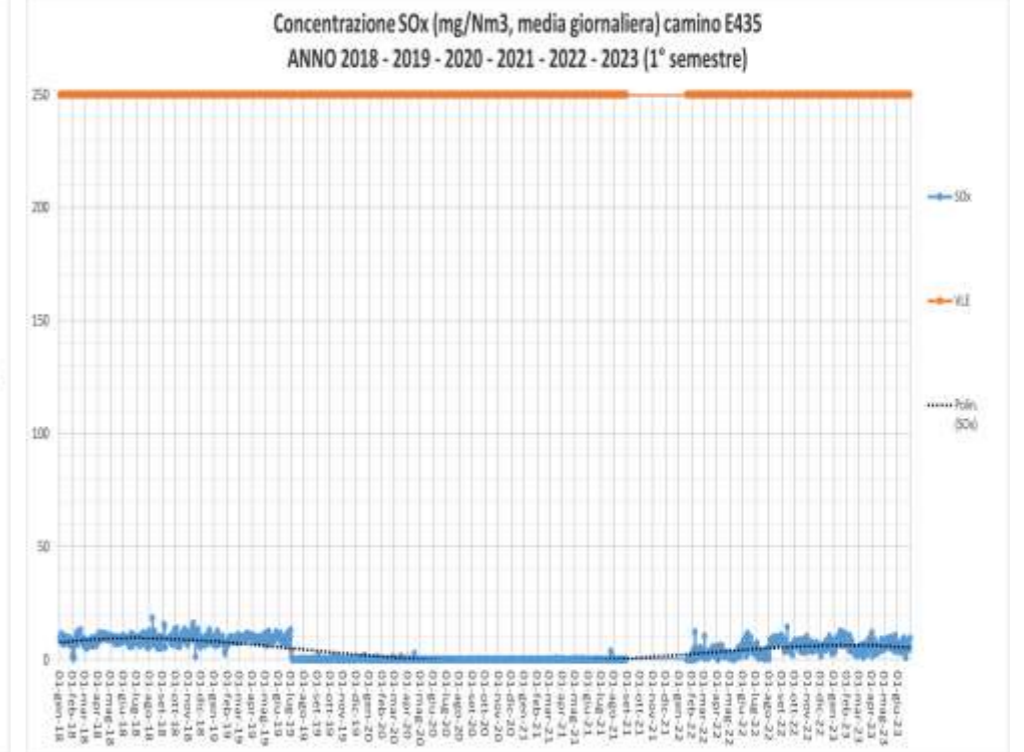
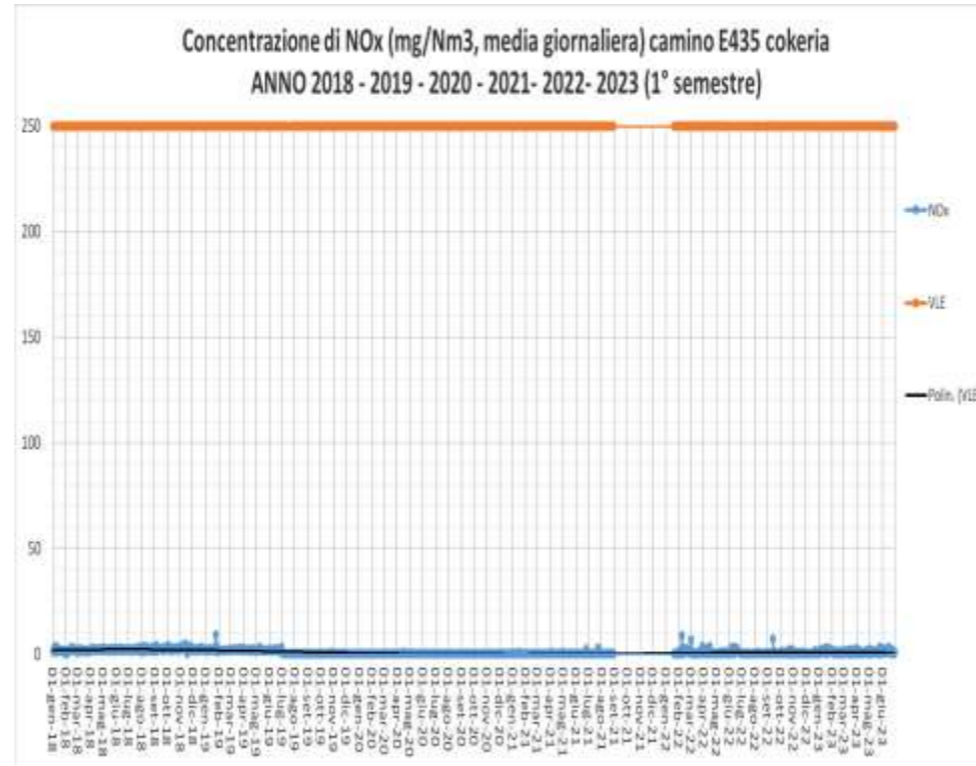
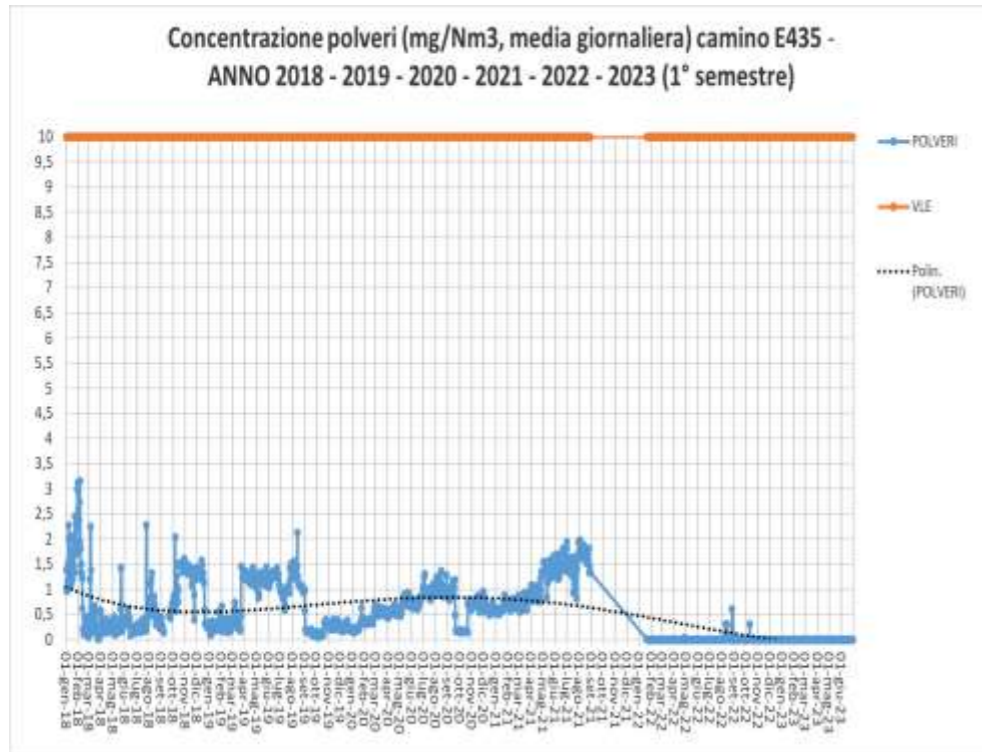
Camino E425



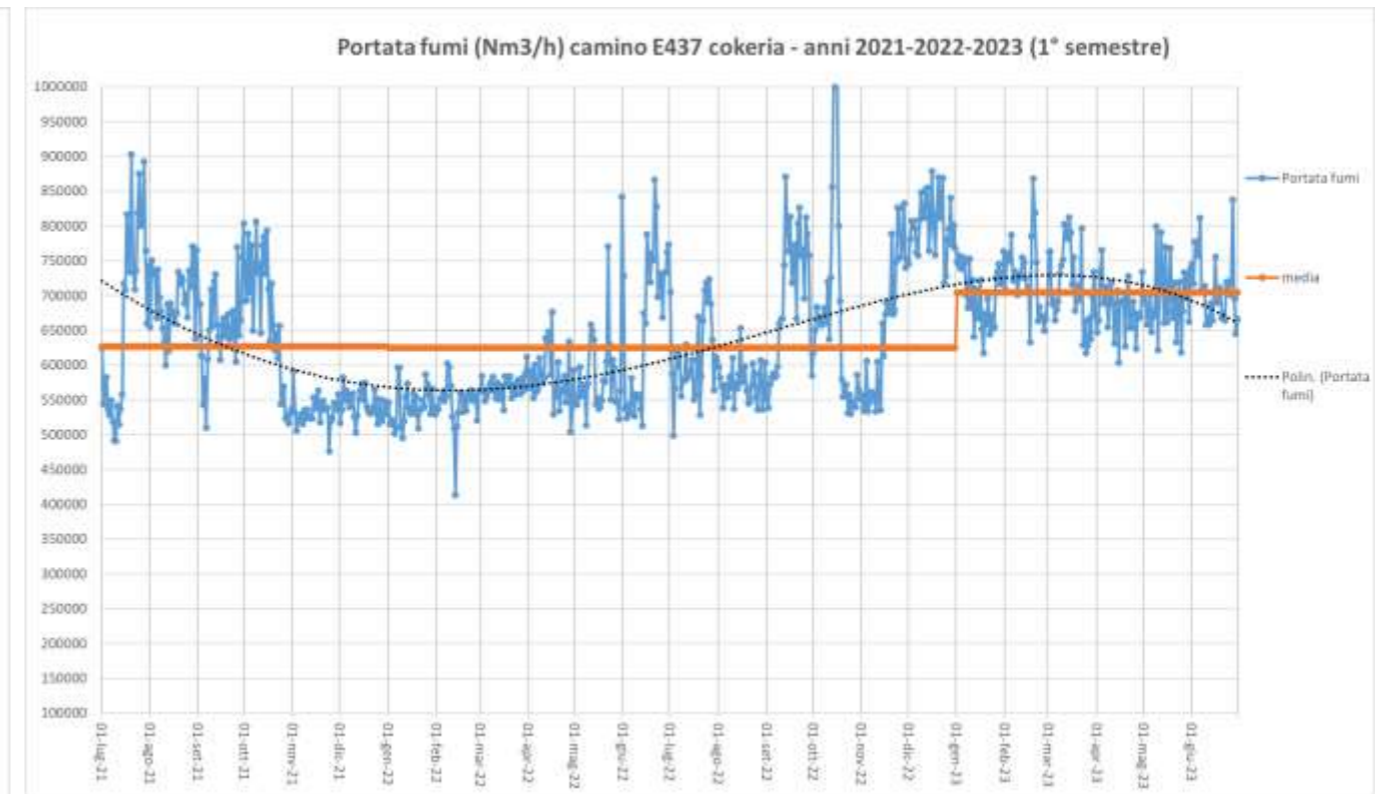
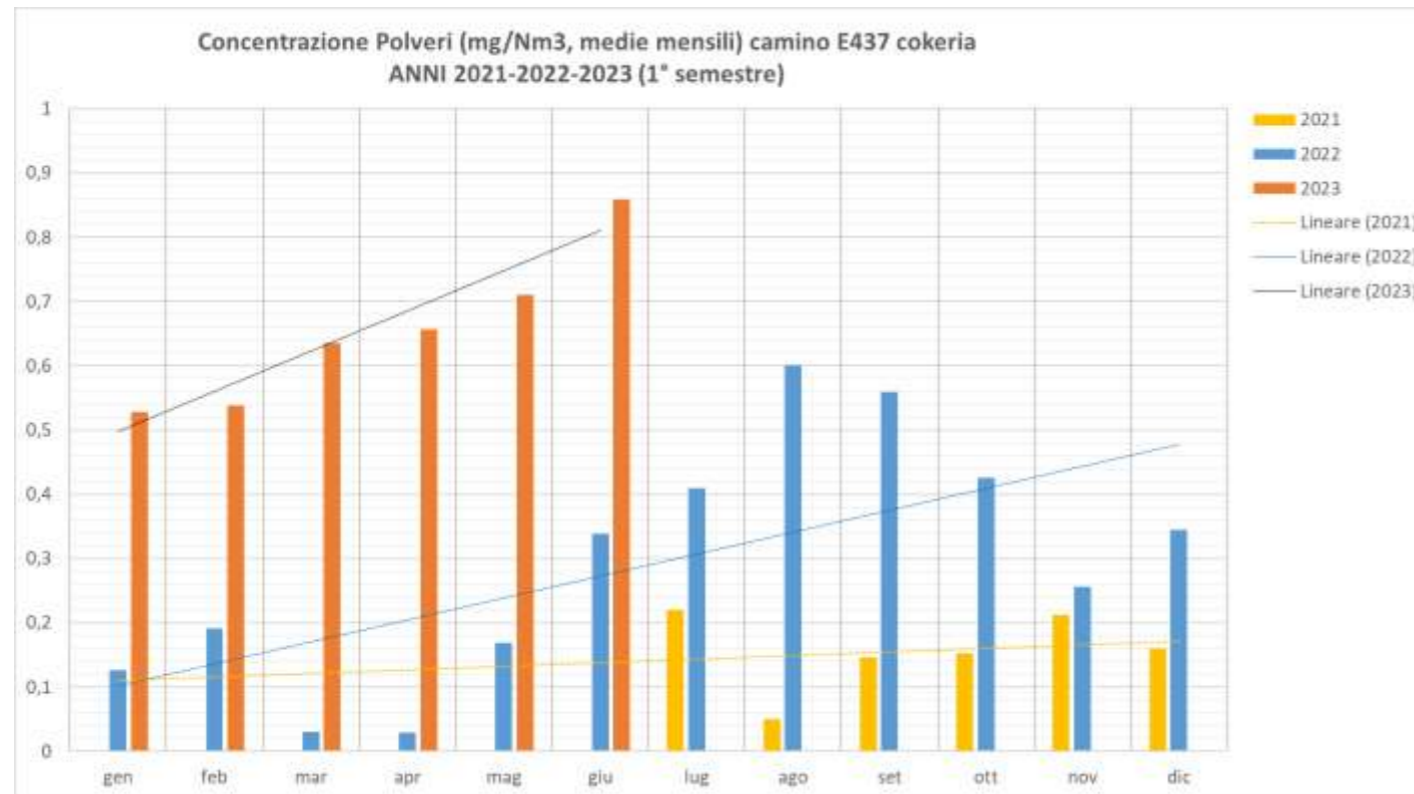
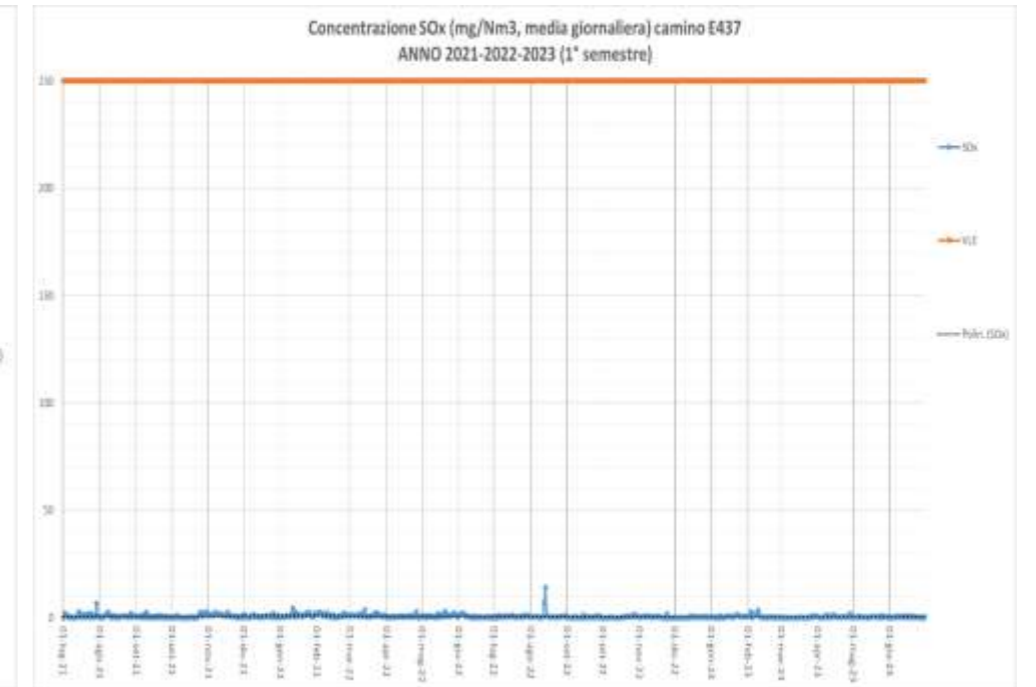
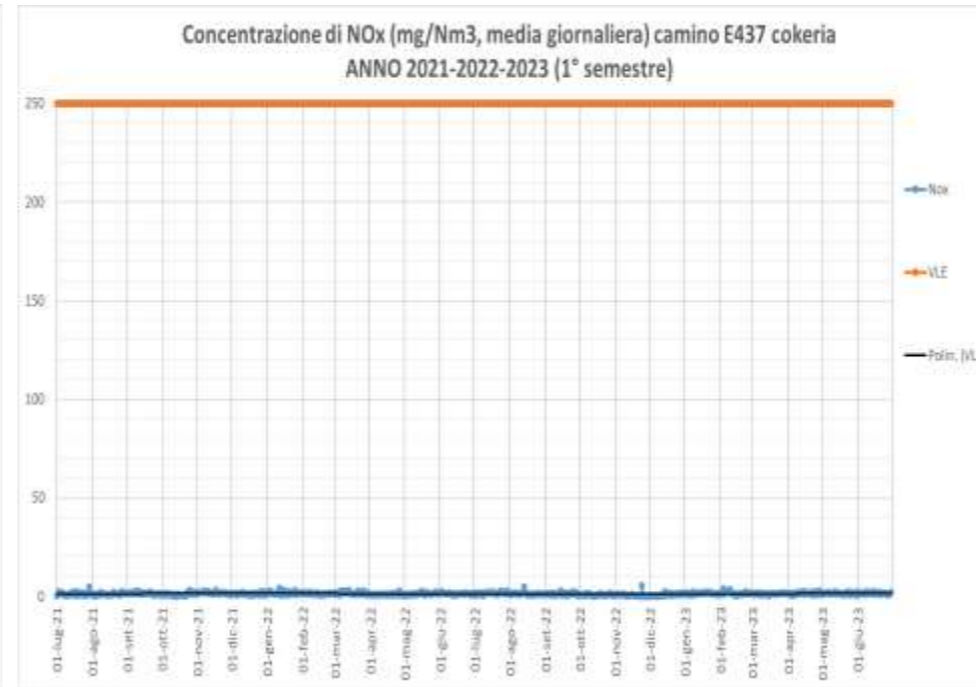
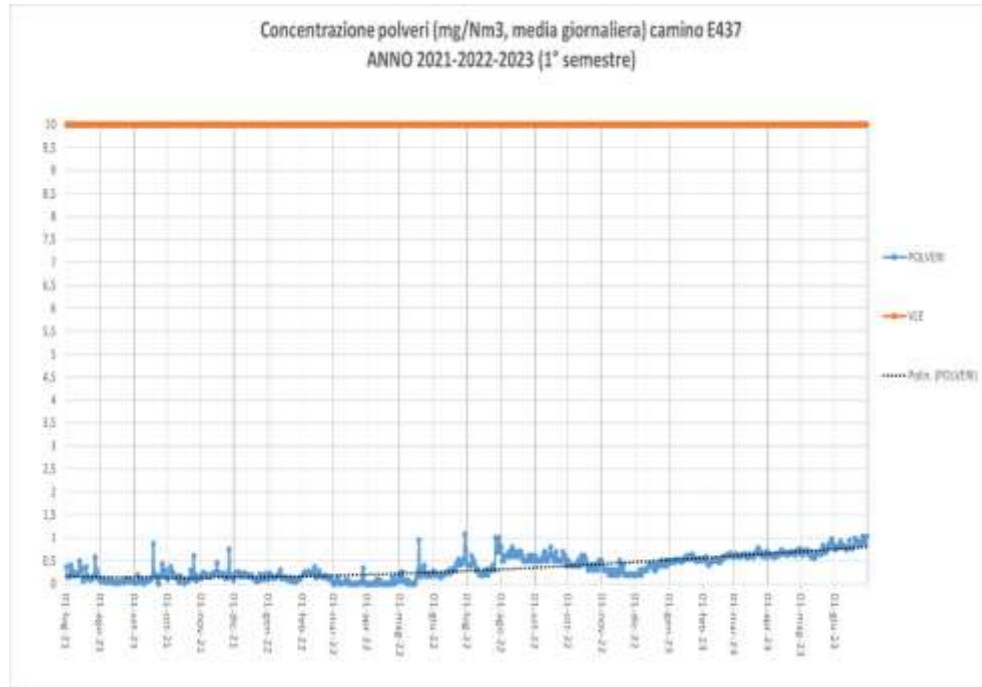
Camino E428



Camino E435

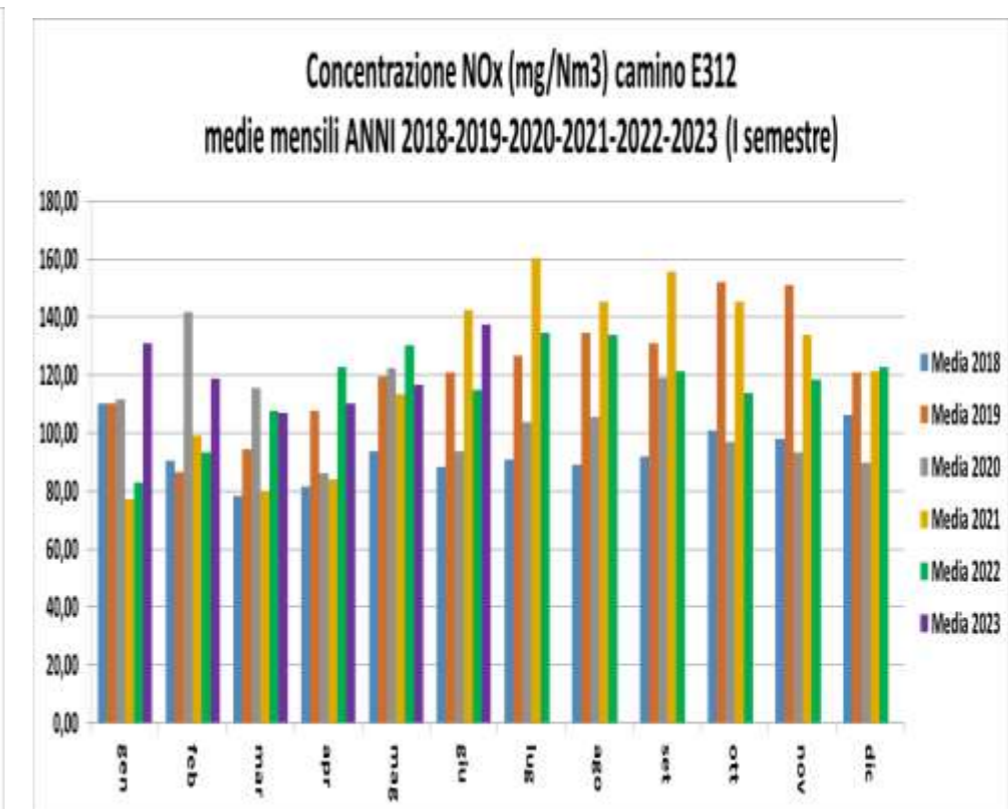
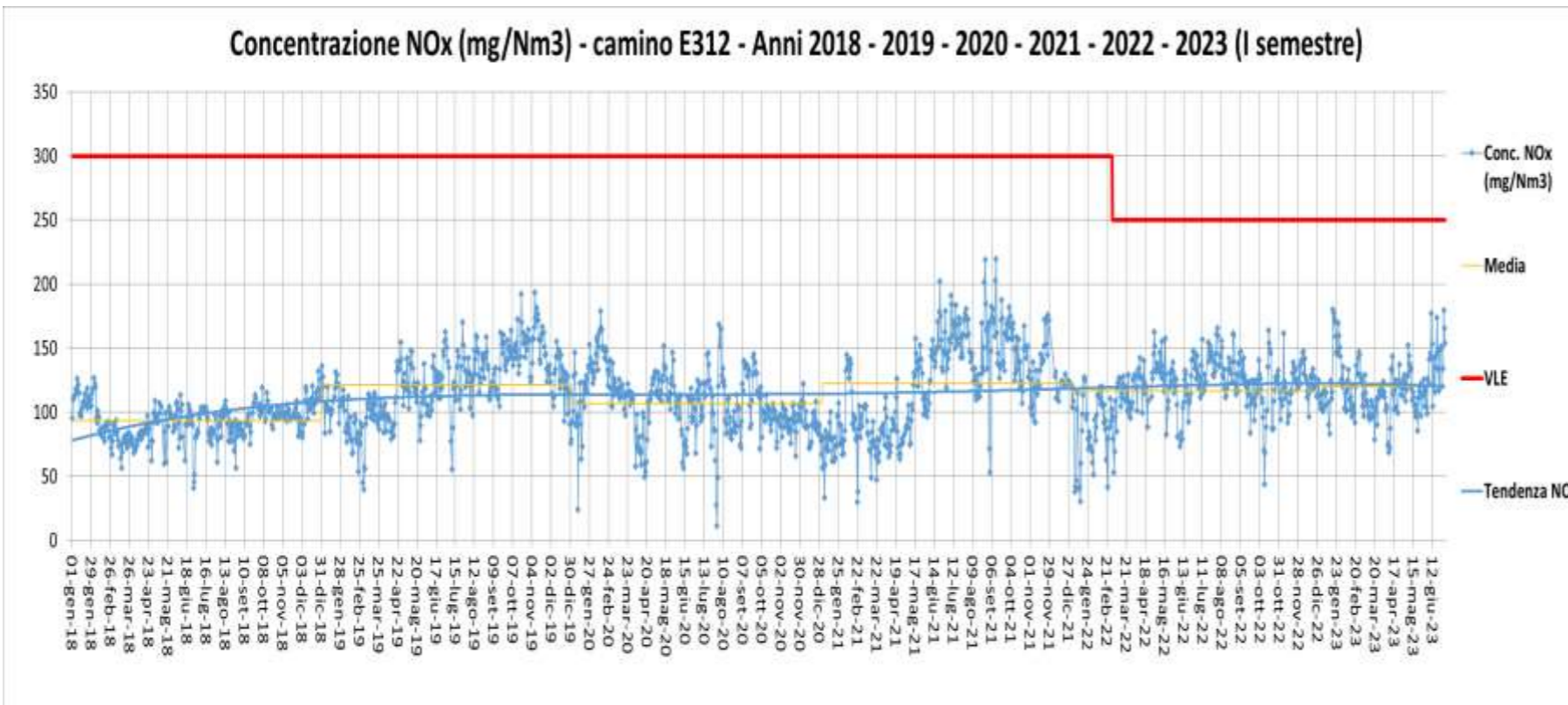
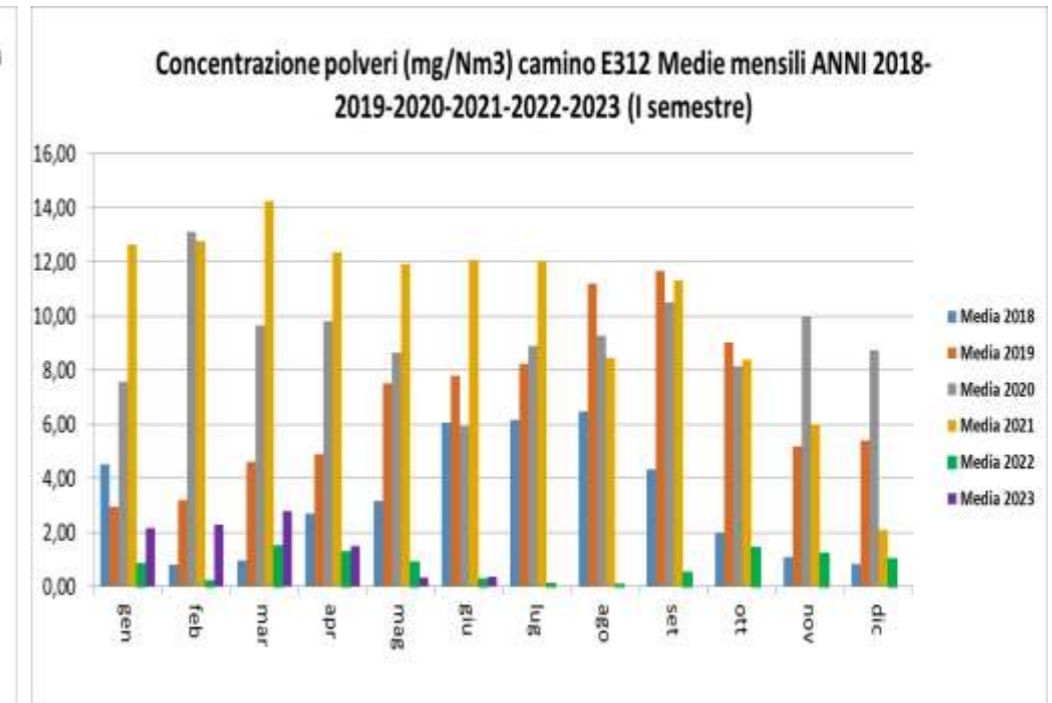
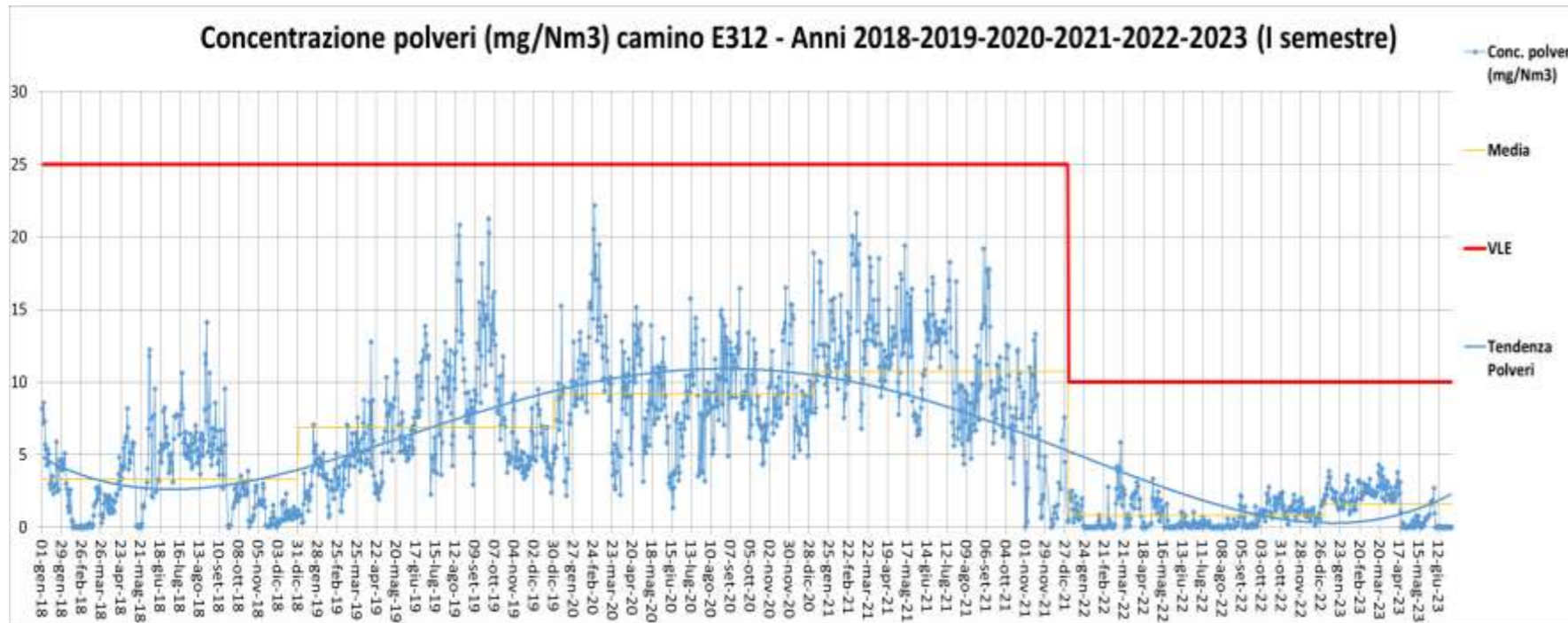


Camino E437

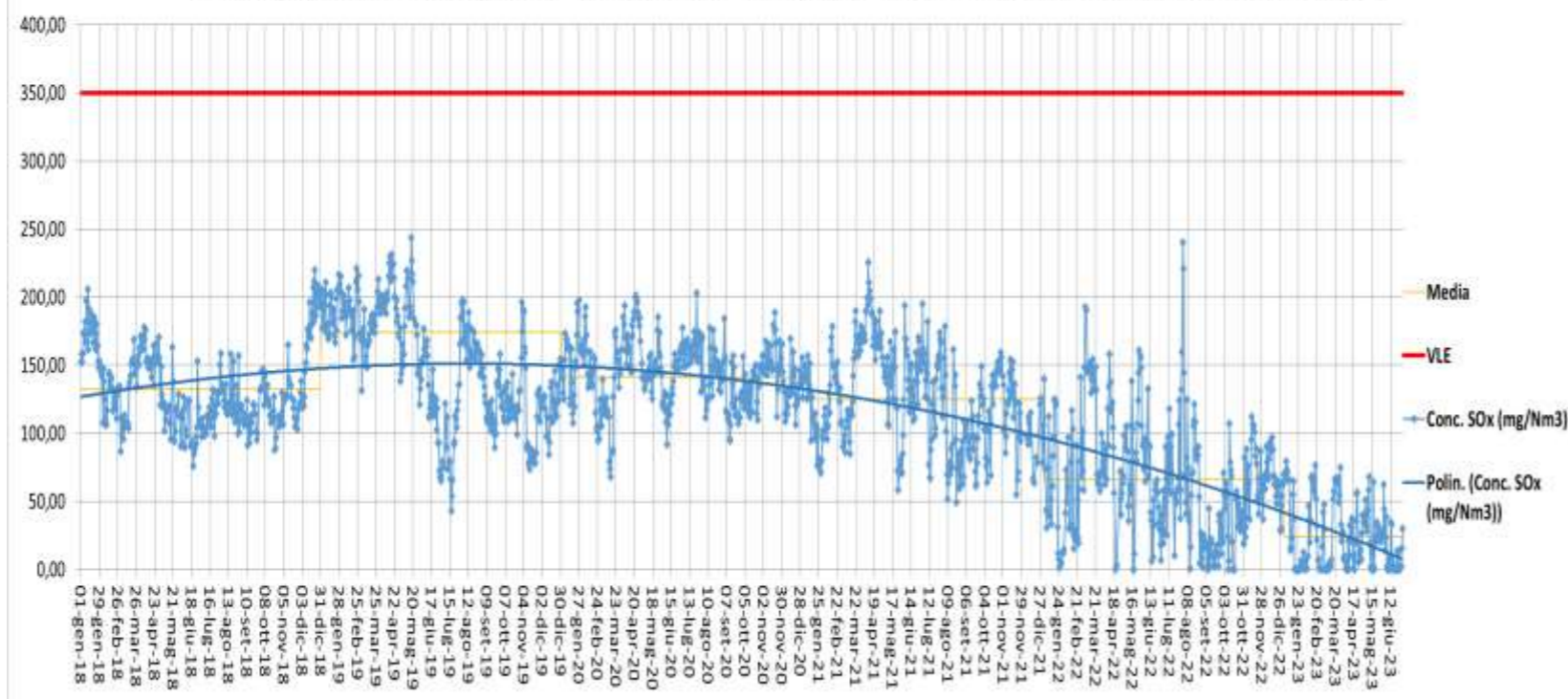


**TAVOLA 2 Camini area Agglomerato (AGL)
E312, E314b, E315b, E324 e E325**

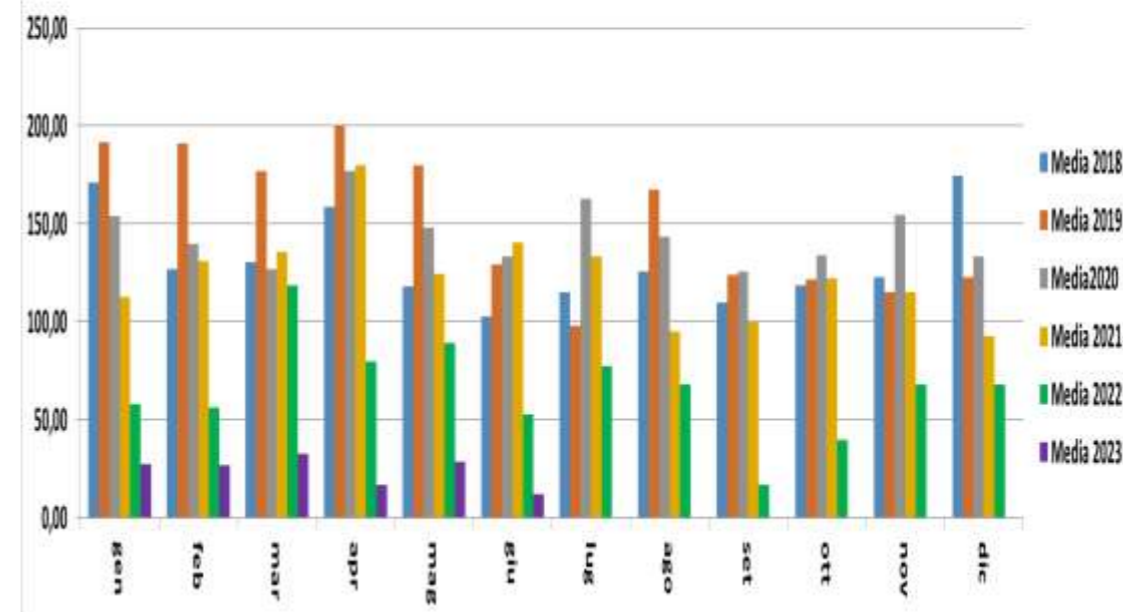
Camino E312



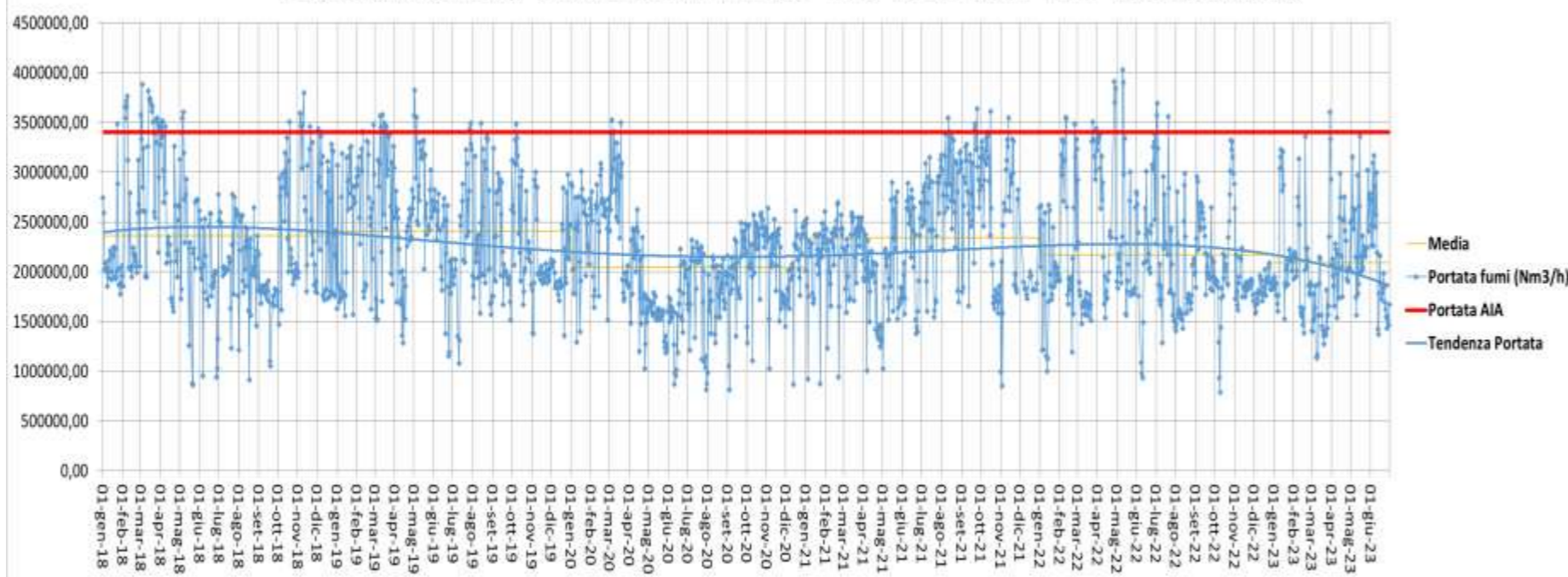
Concentrazione SOx (mg/Nm3) - Camino E312 - Anni 2018 - 2019 - 2020 - 2021 - 2022 - 2023 (I semestre)



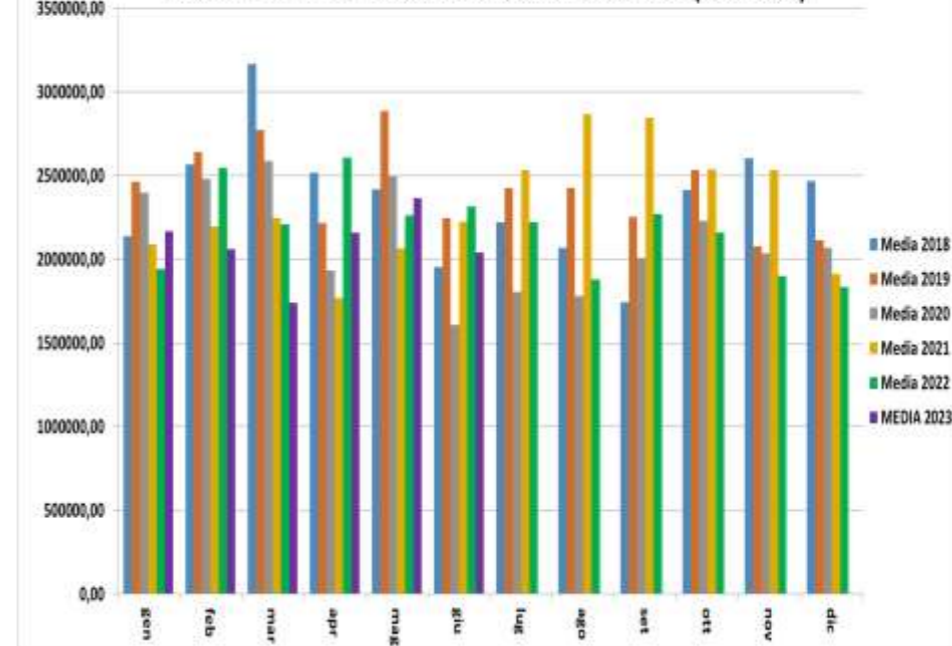
Concentrazione SOx (mg/Nm3) camino E312
medie mensili ANNI 2019-2020-2021-2022-2023 (I semestre)



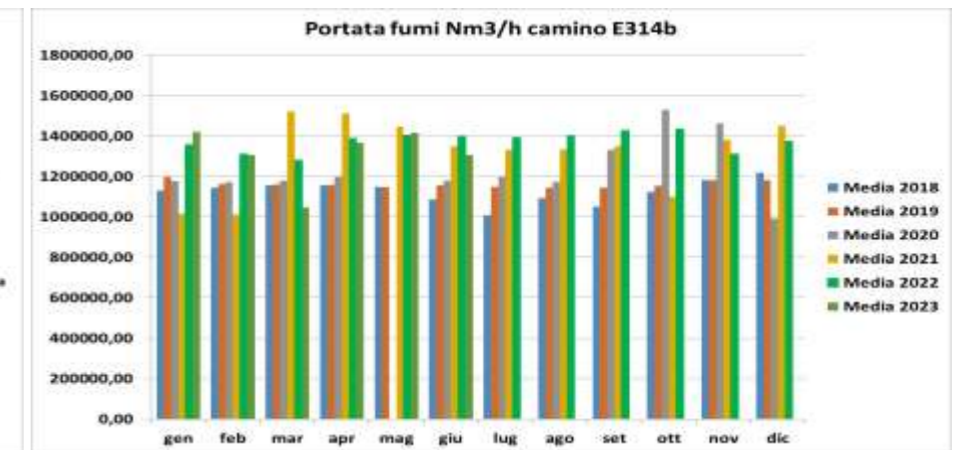
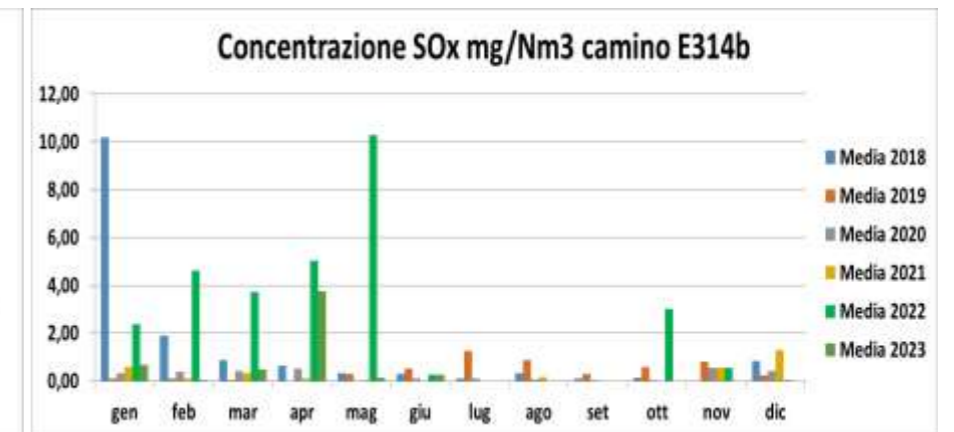
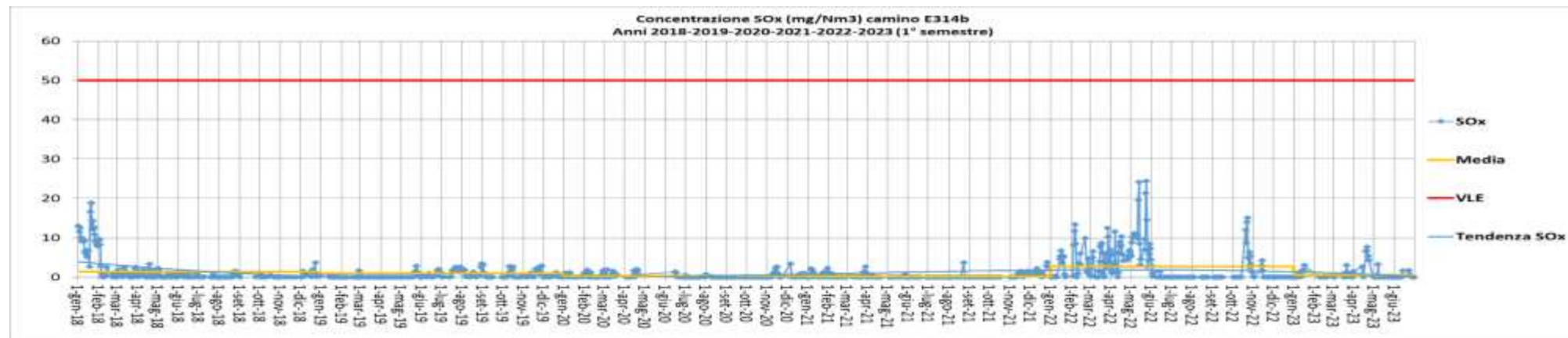
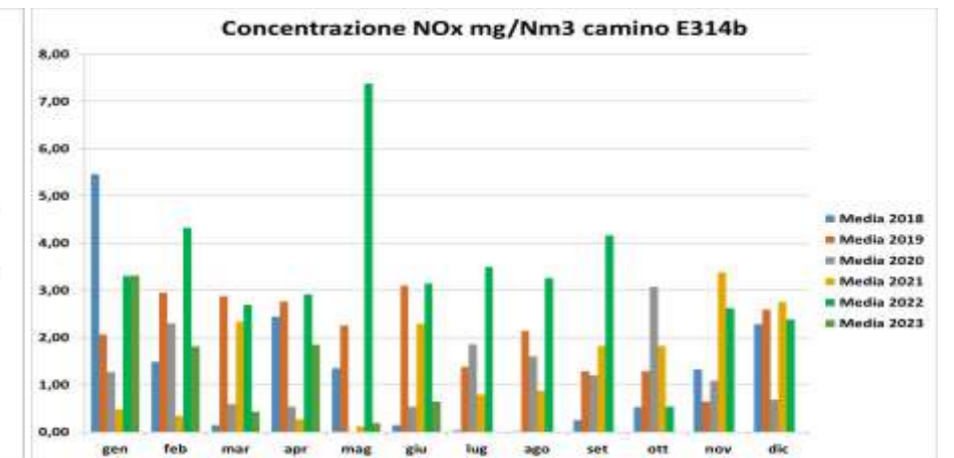
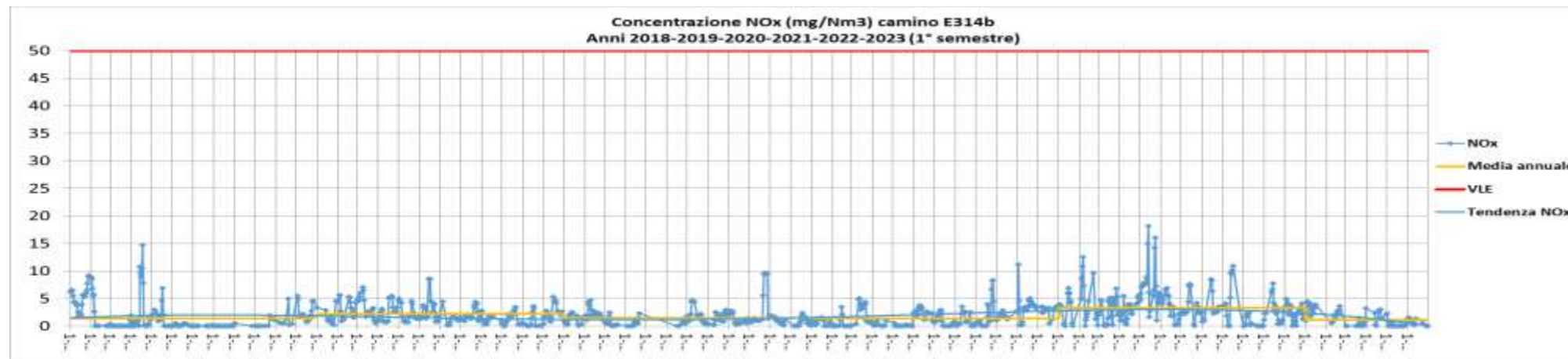
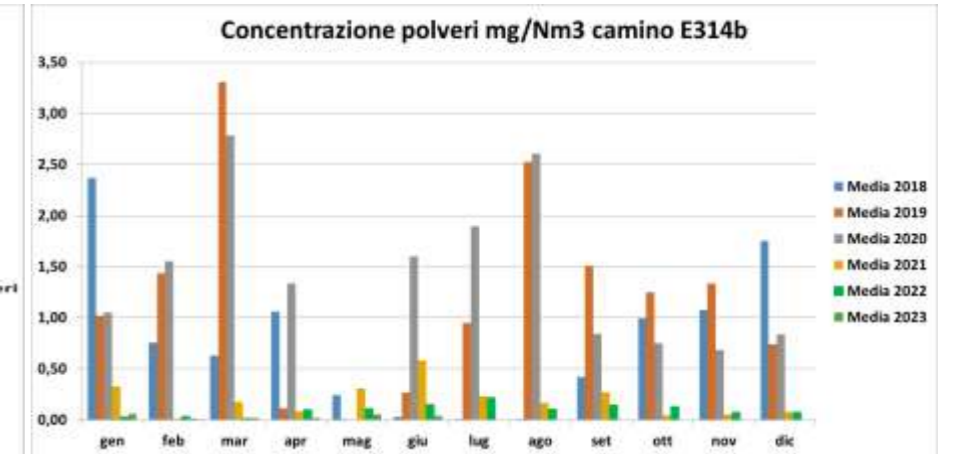
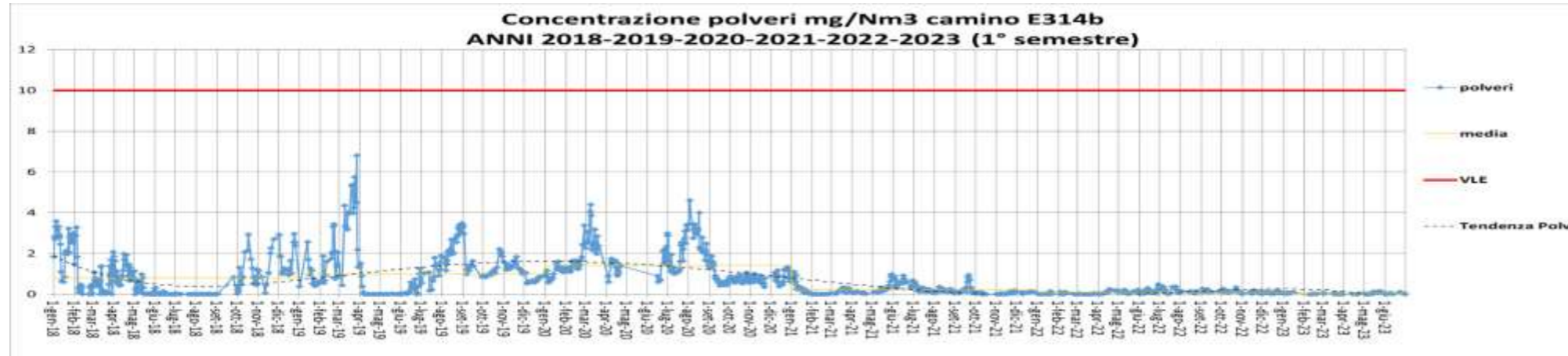
Portata fumi (Nm3/h) - Camino E312 - Anni 2018 - 2019 - 2020 - 2021 - 2022 - 2023 (I semestre)



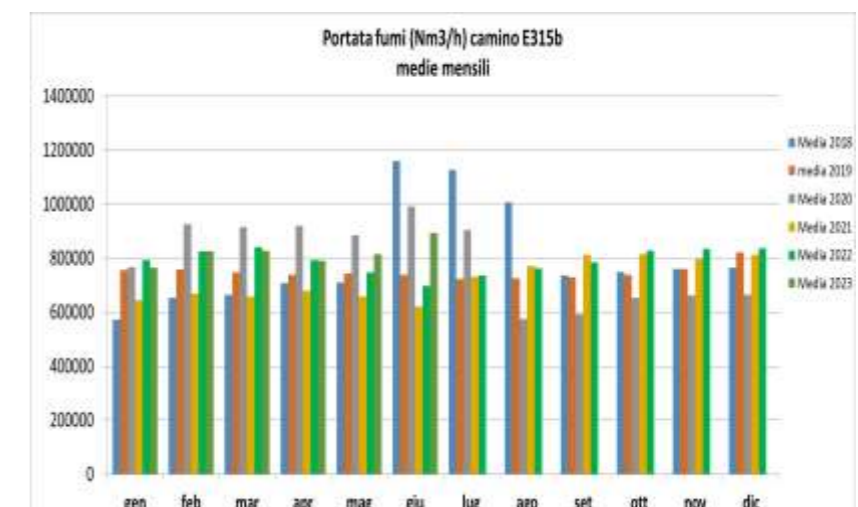
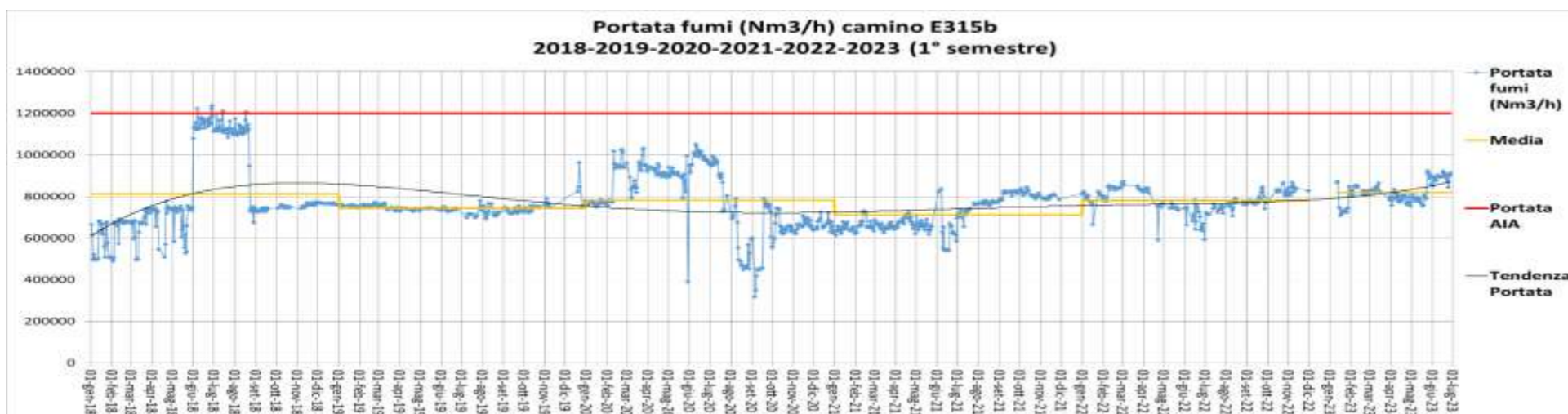
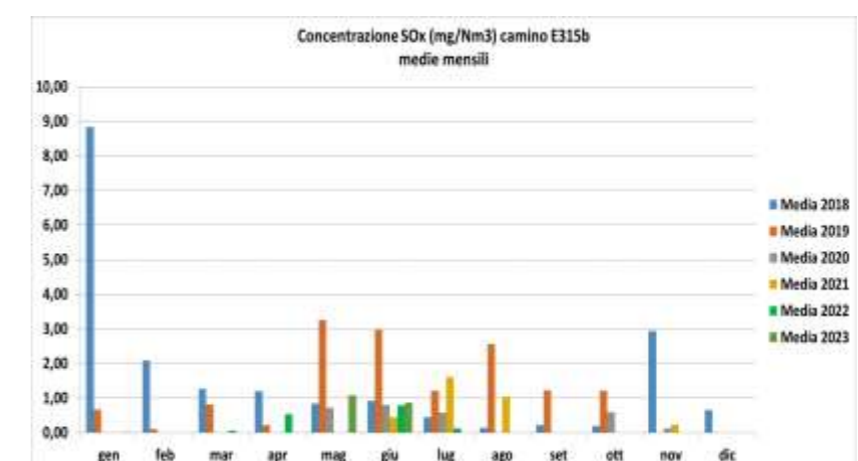
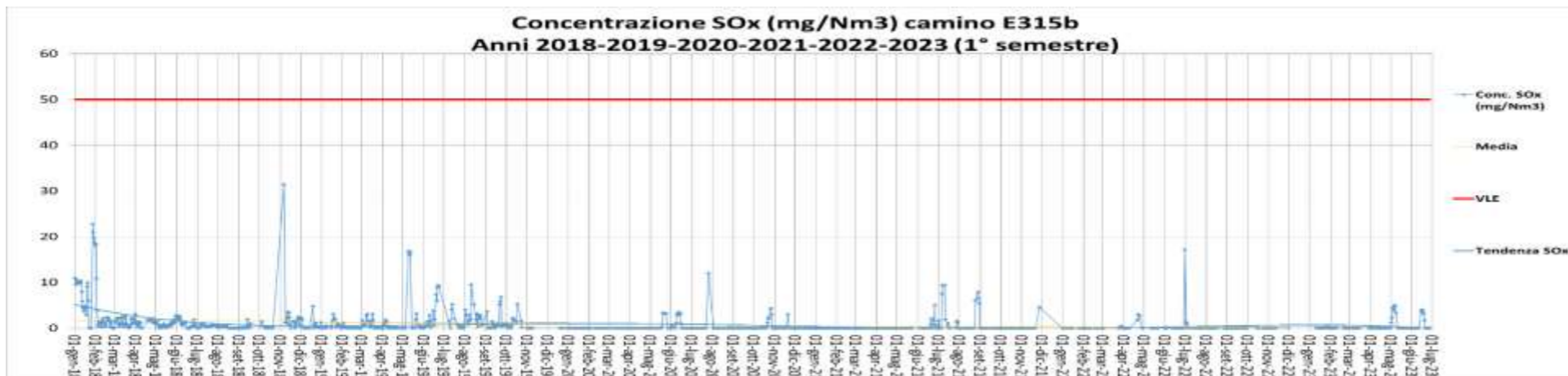
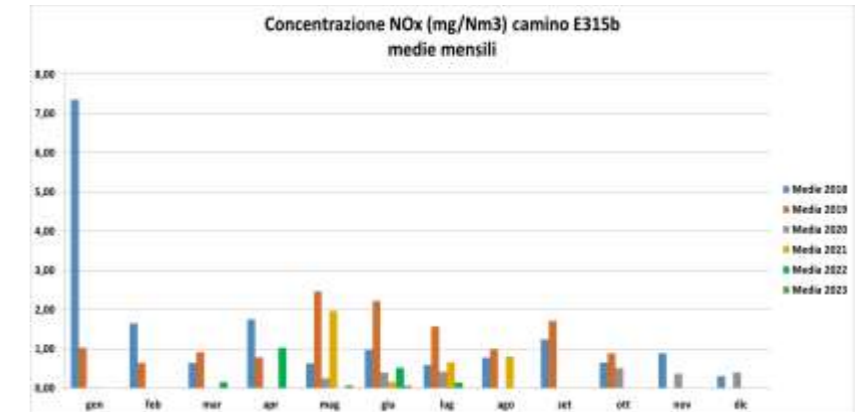
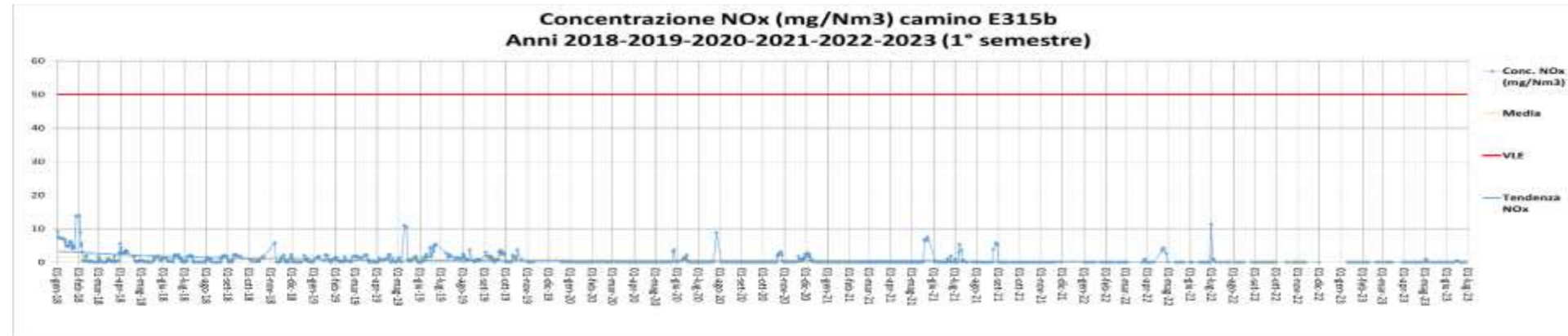
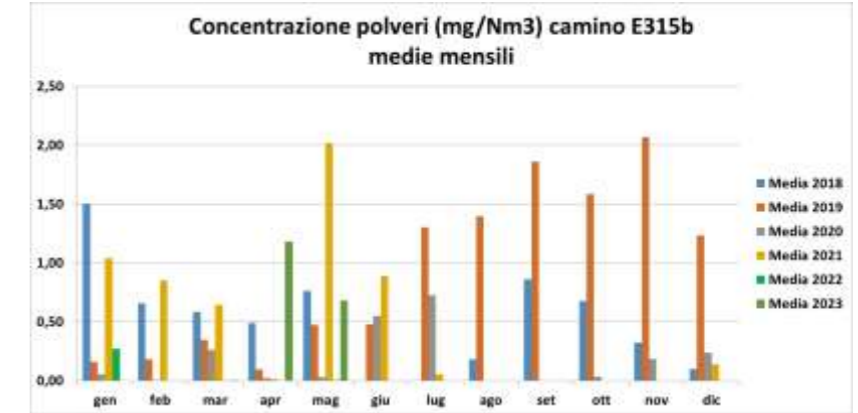
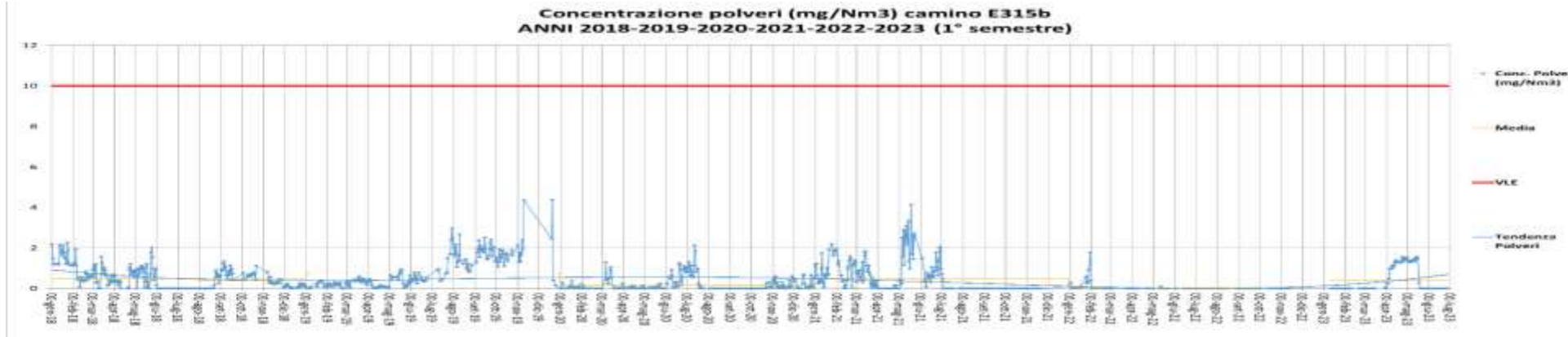
Portata fumi (Nm3/h) camino E312
medie mensili ANNI 2018-2019-2020-2021-2022-2023 (I semestre)



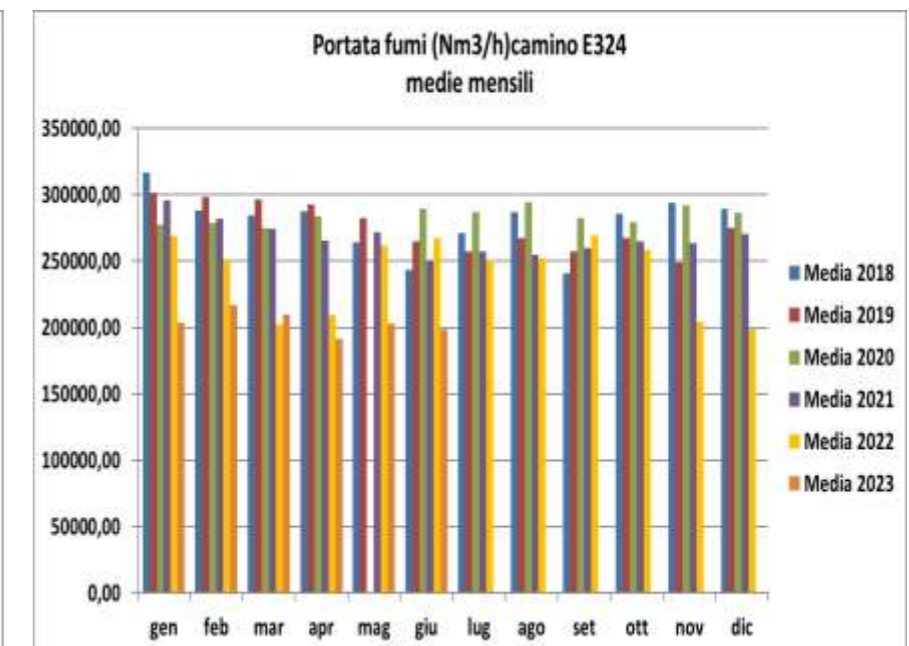
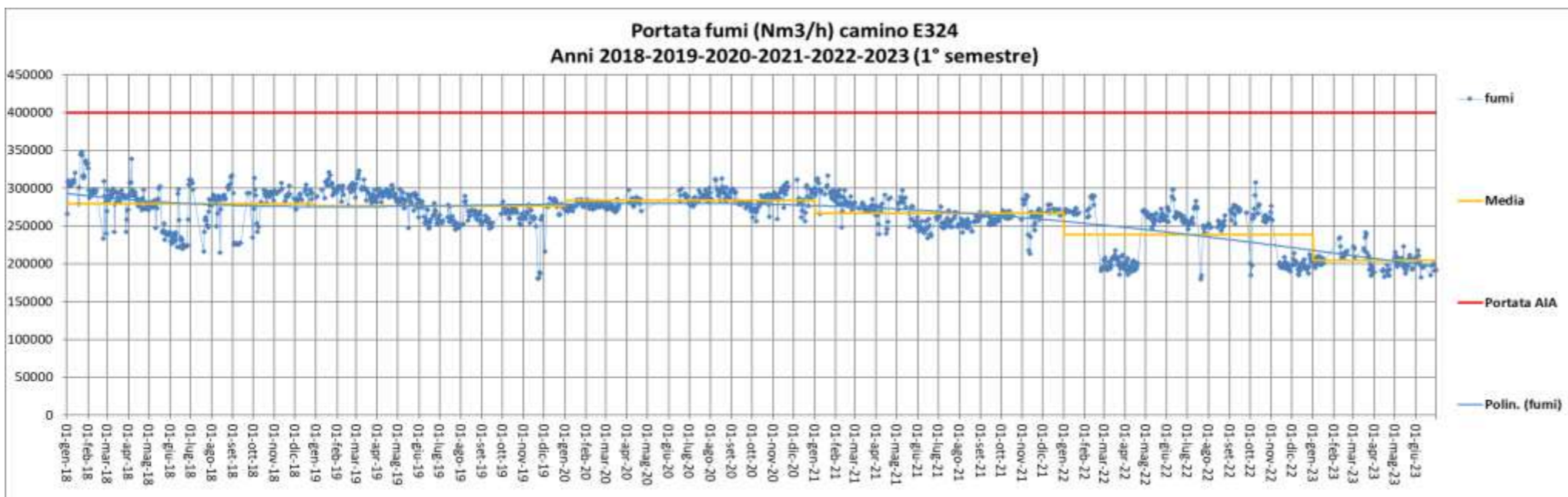
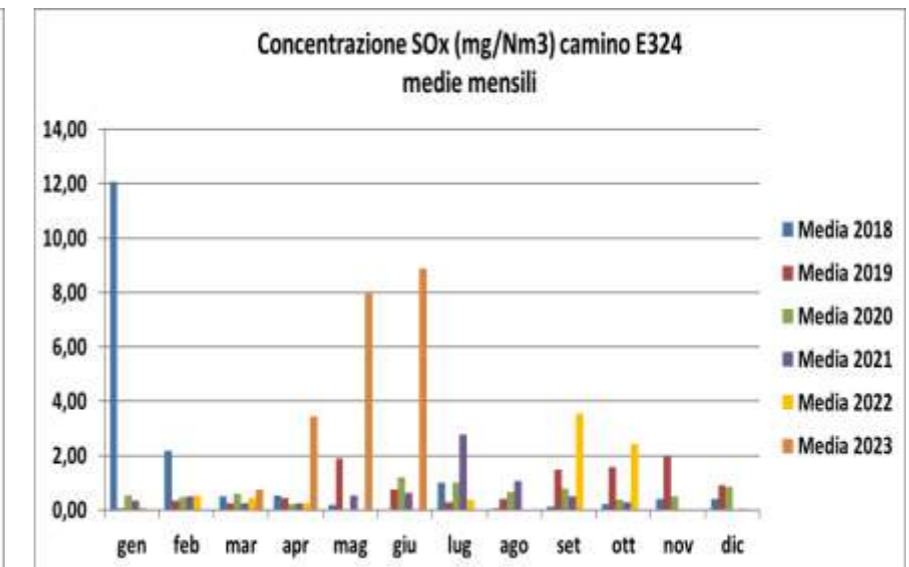
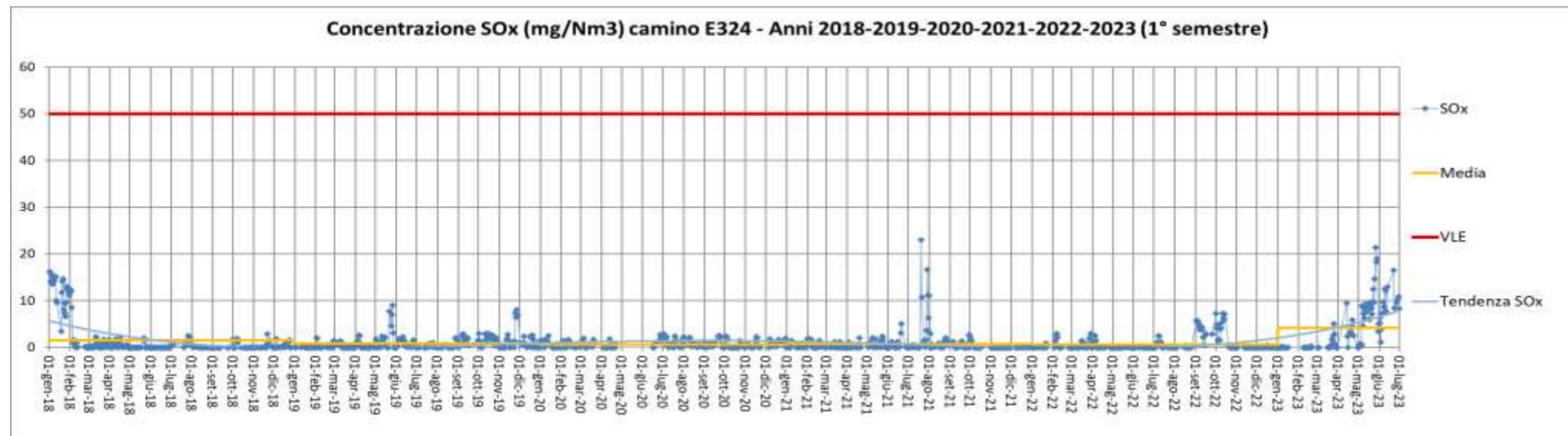
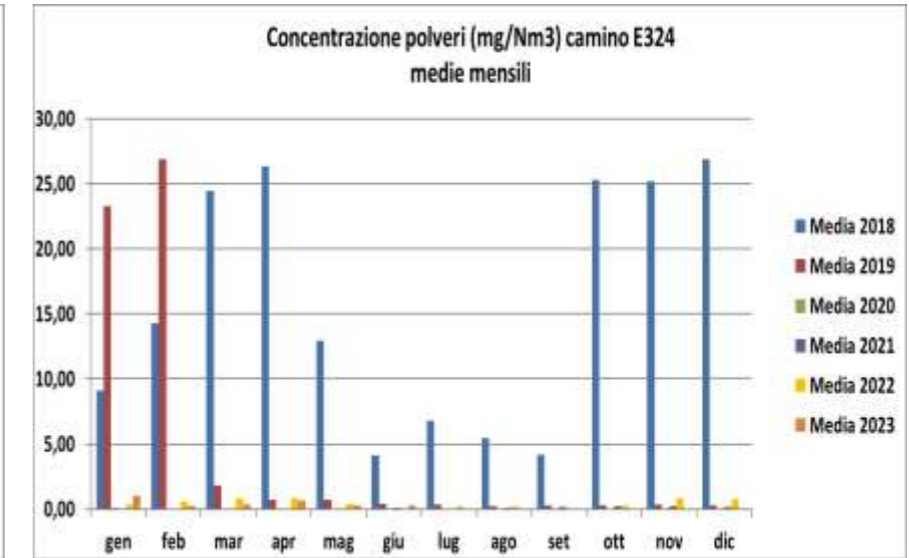
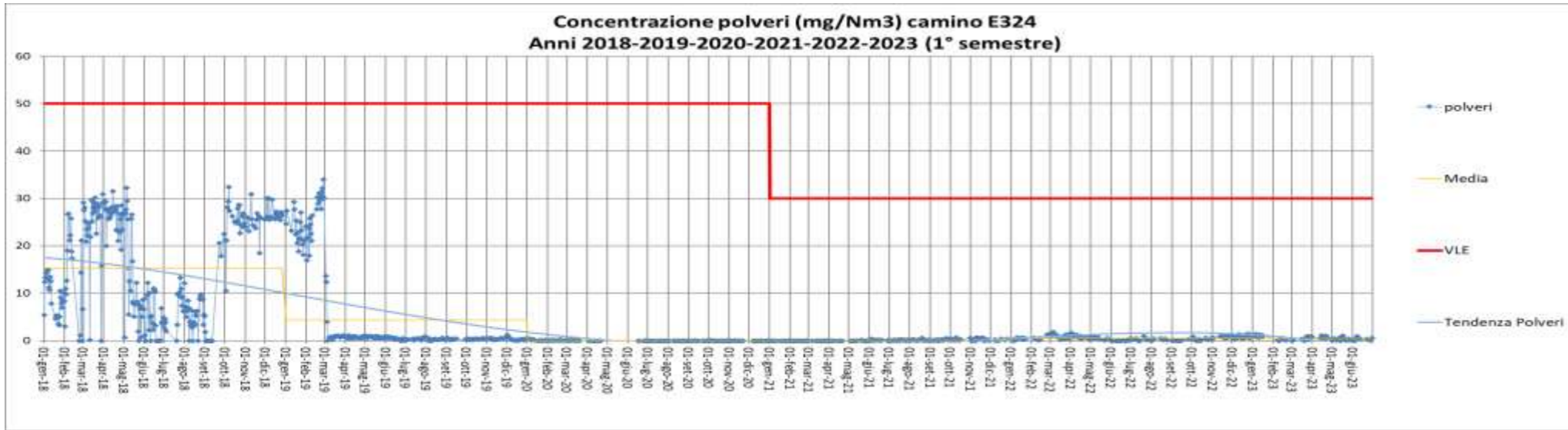
Camino E314b



Camino E315b



Camino E324



Camino E325

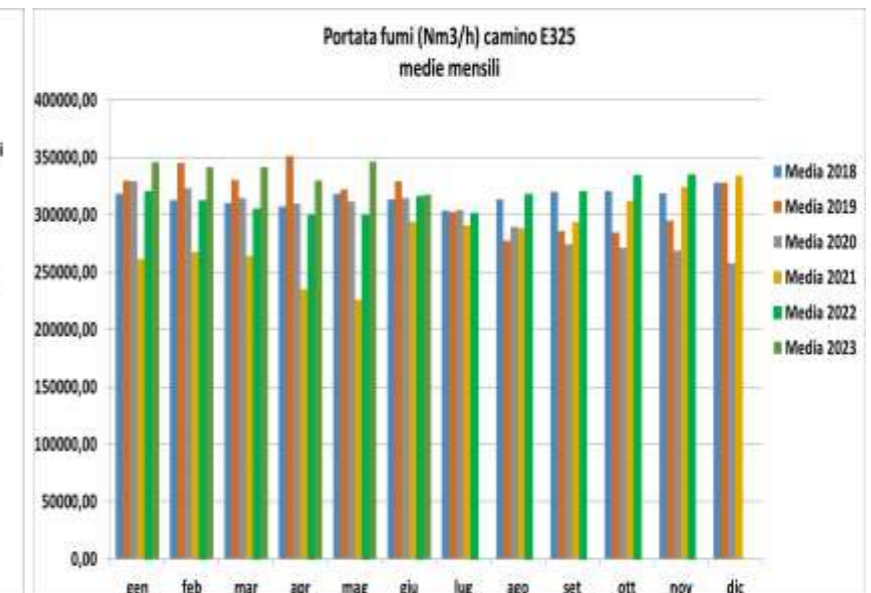
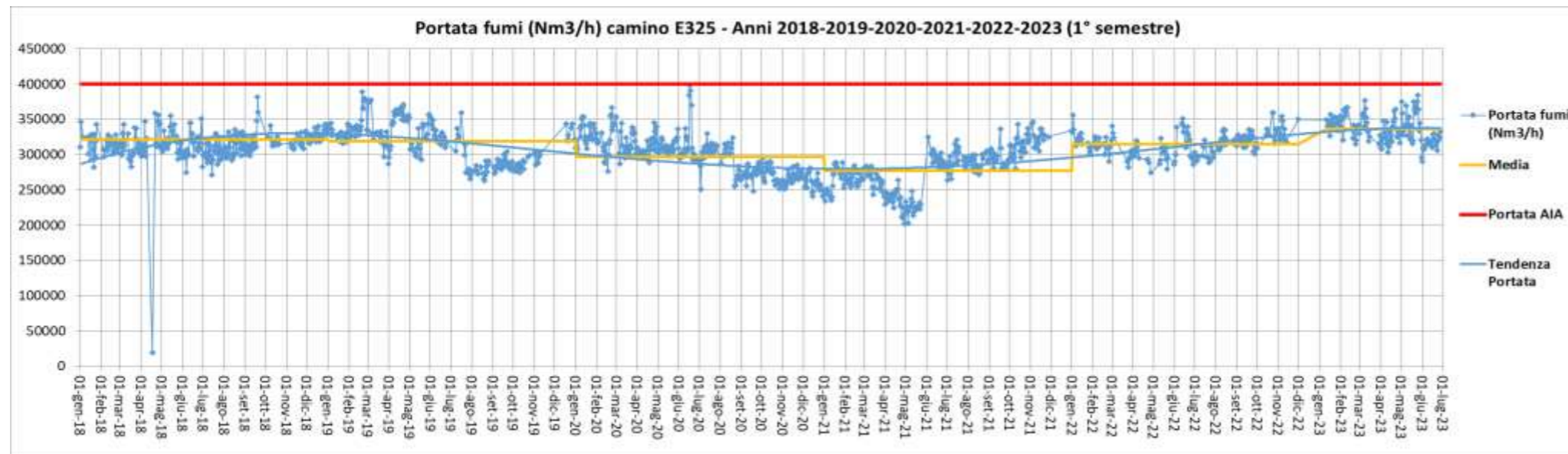
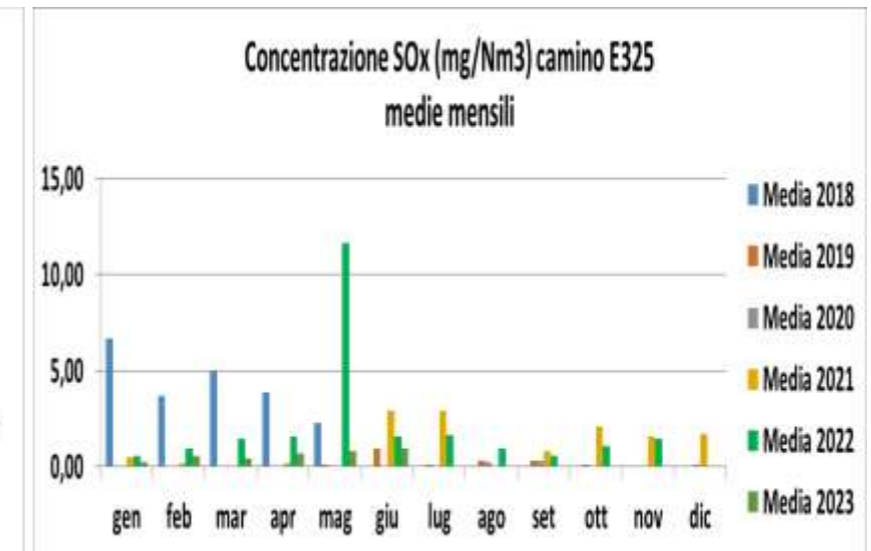
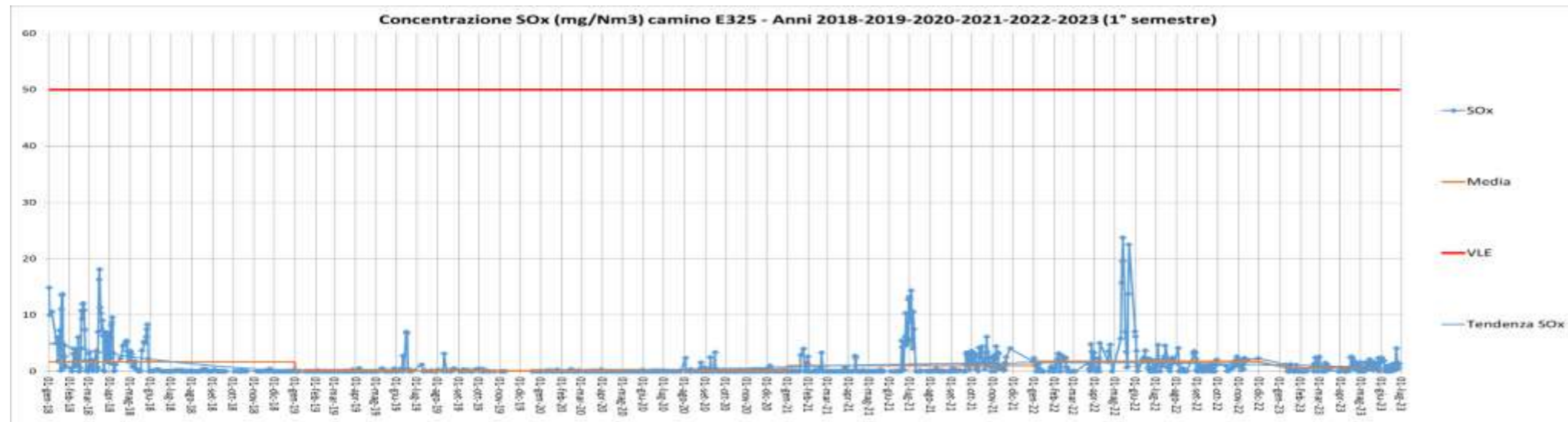
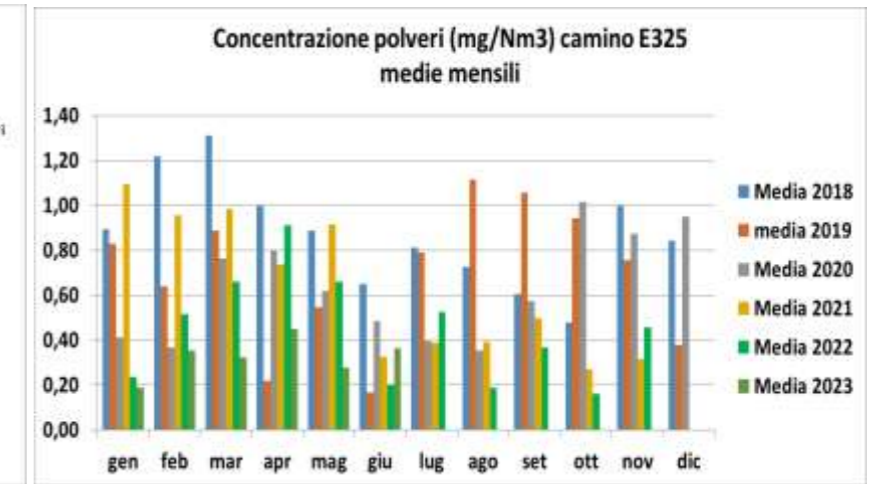
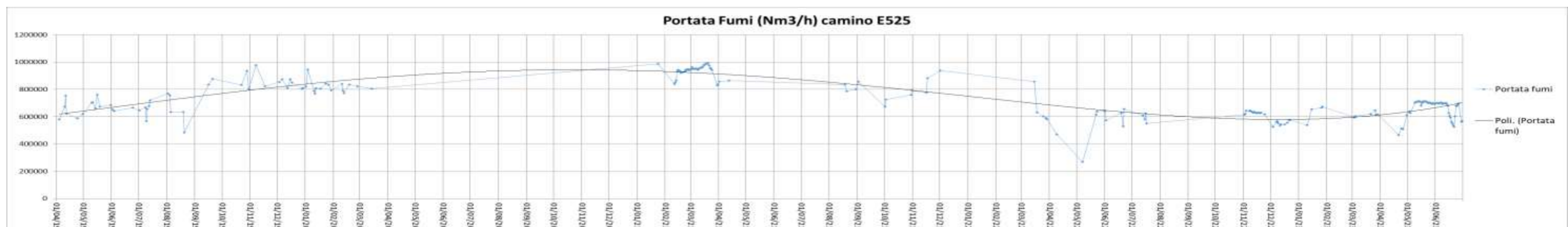
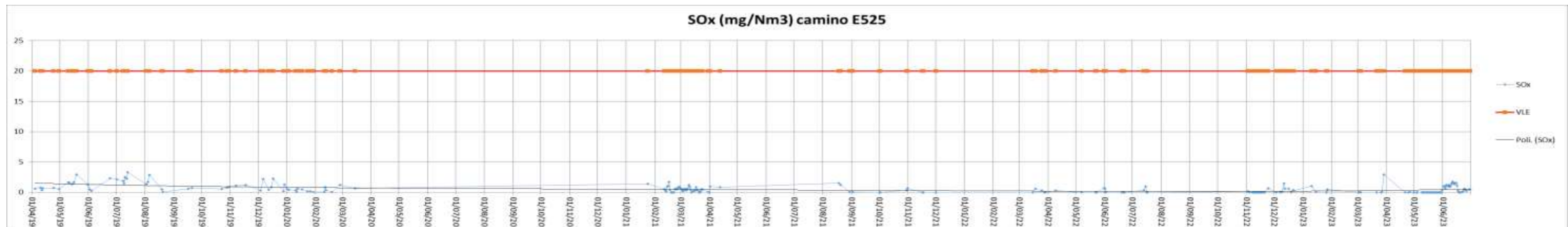
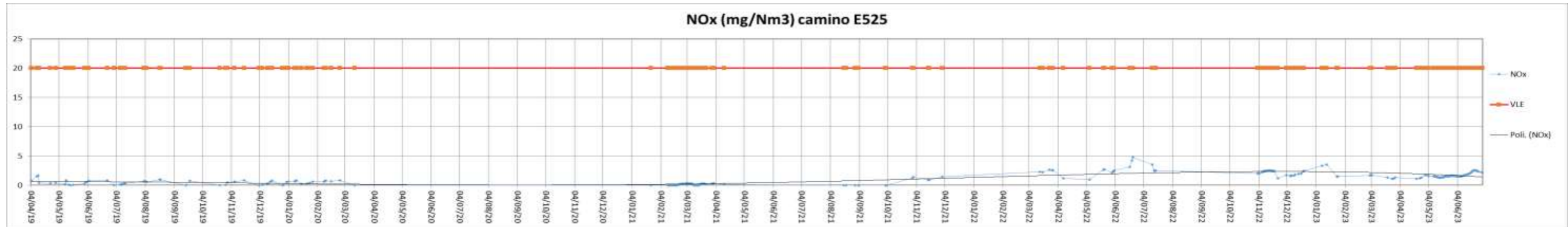
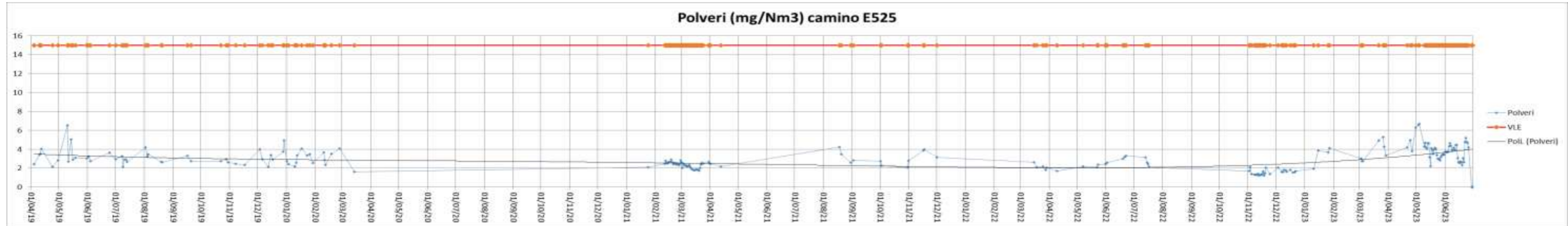


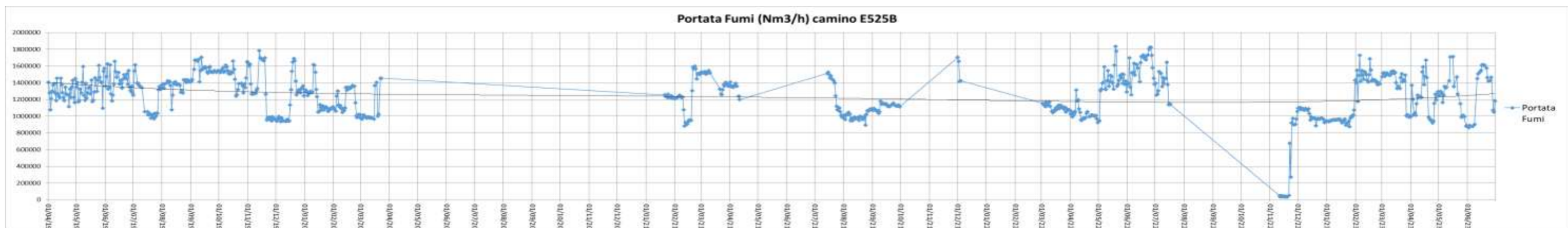
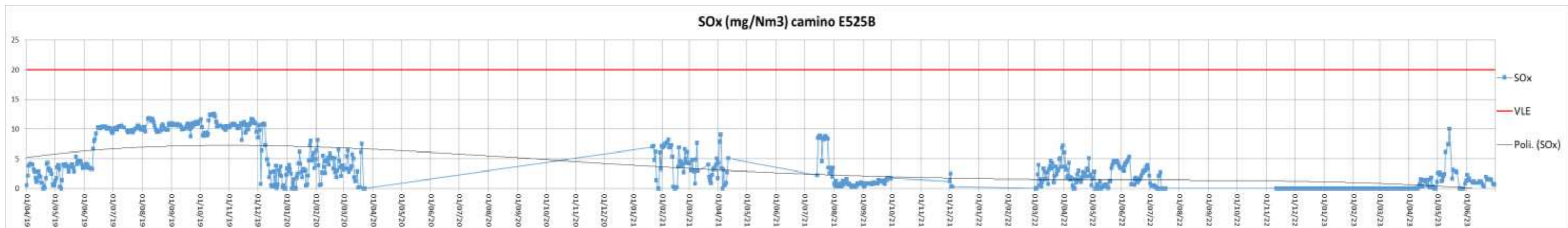
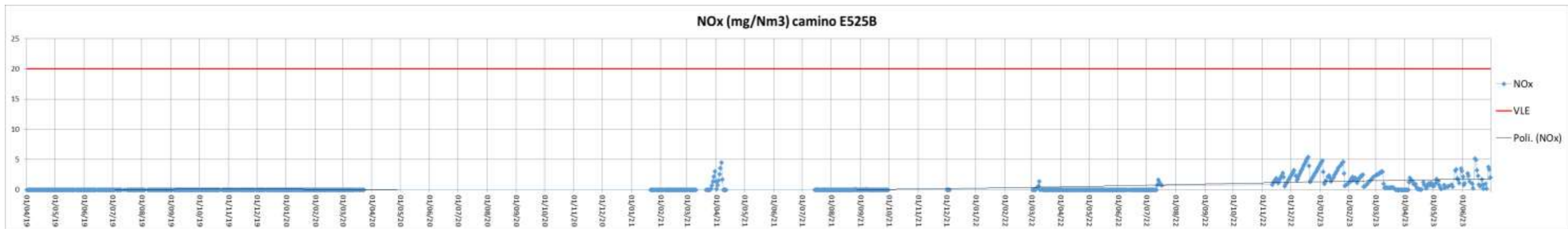
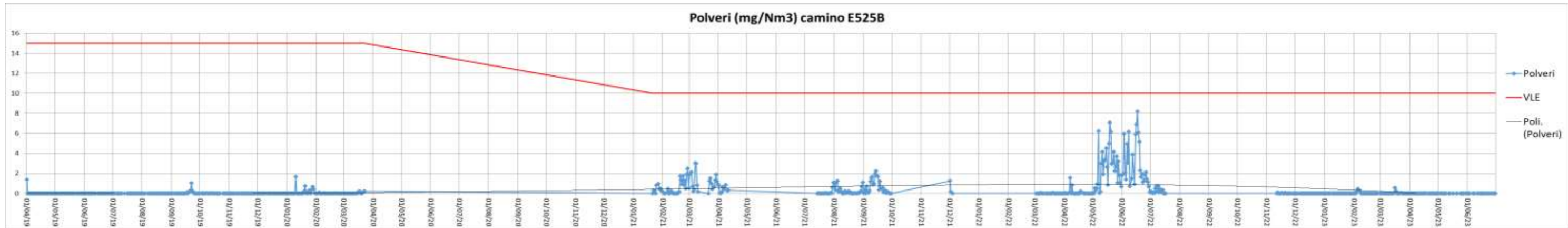
TAVOLA 3 - Camini Acciaieria (ACC)

E525, E525B, E551B, E551C

Camino E525

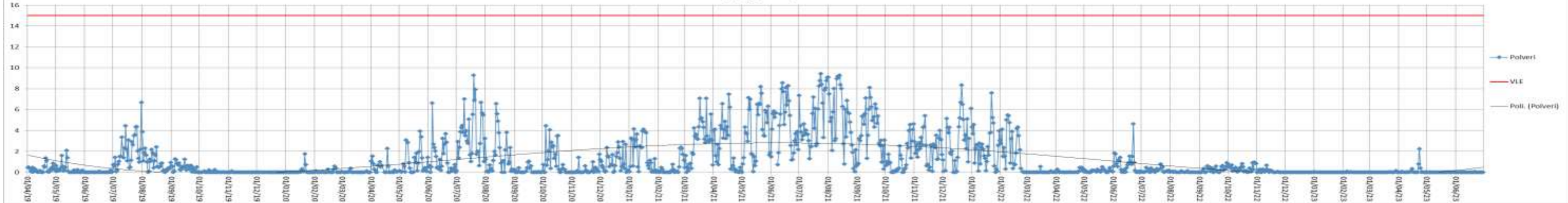


Camino E525B



Camino E551B

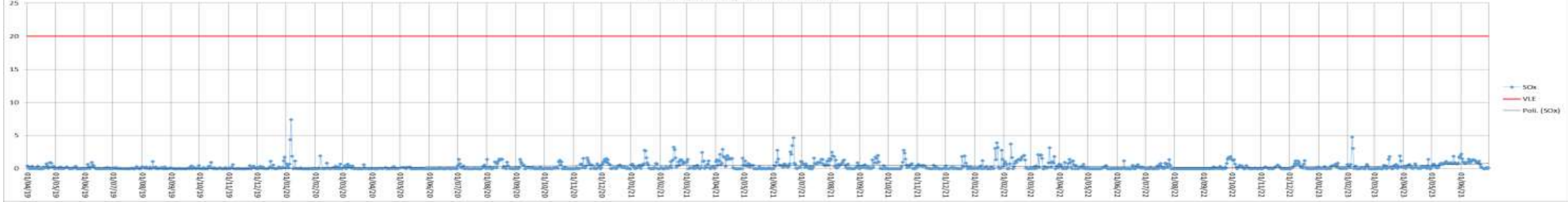
Polveri (mg/Nm3) camino E551B



NOx (mg/Nm3) camino E551B



SOx (mg/Nm3) camino E551B



Portata Fumi (Nm3/h) camino E551B



Camino E551C

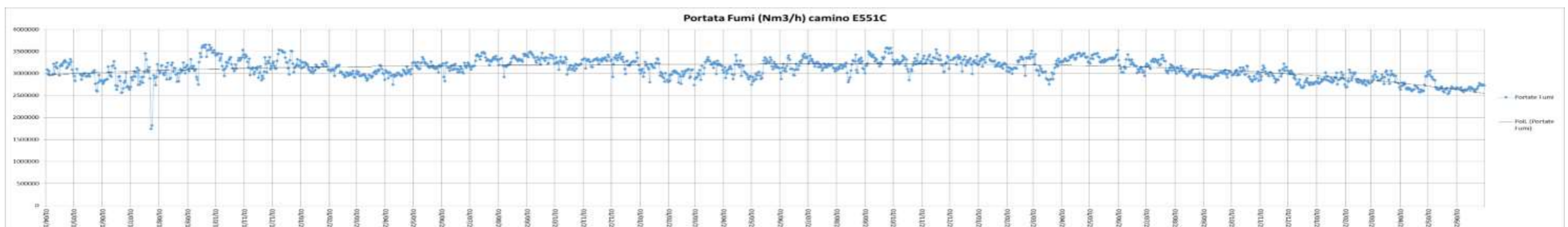
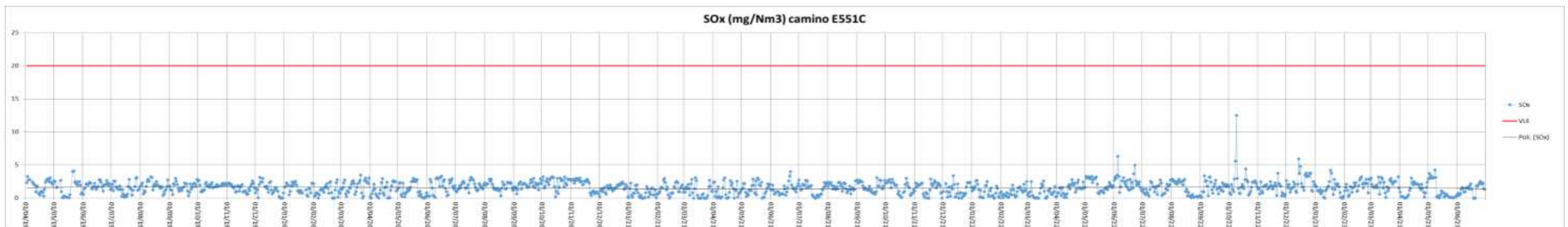
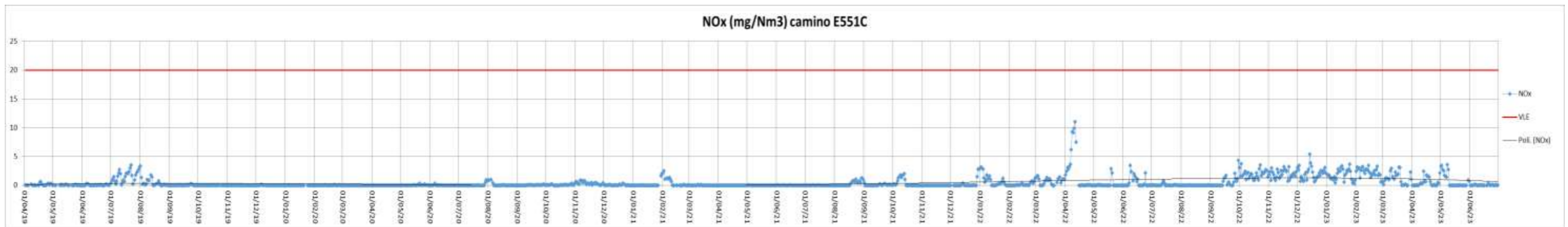
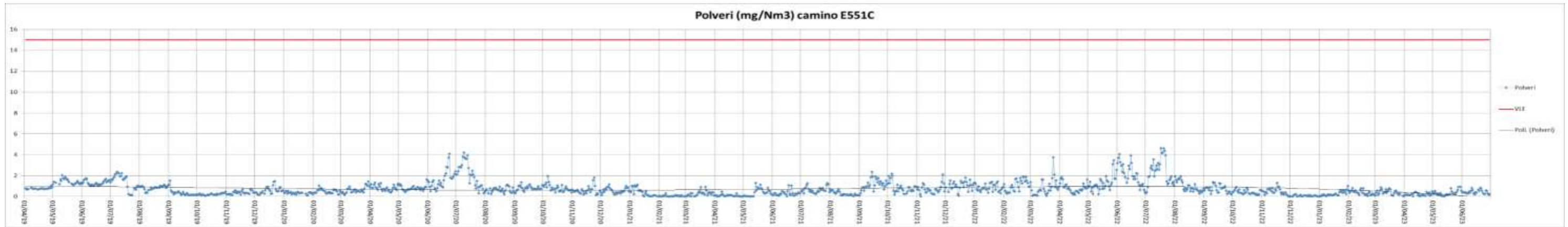
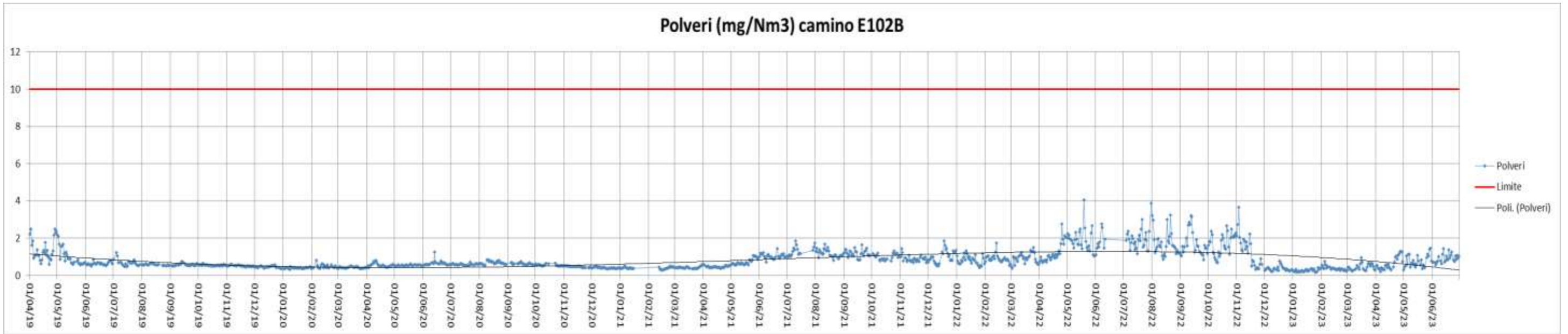


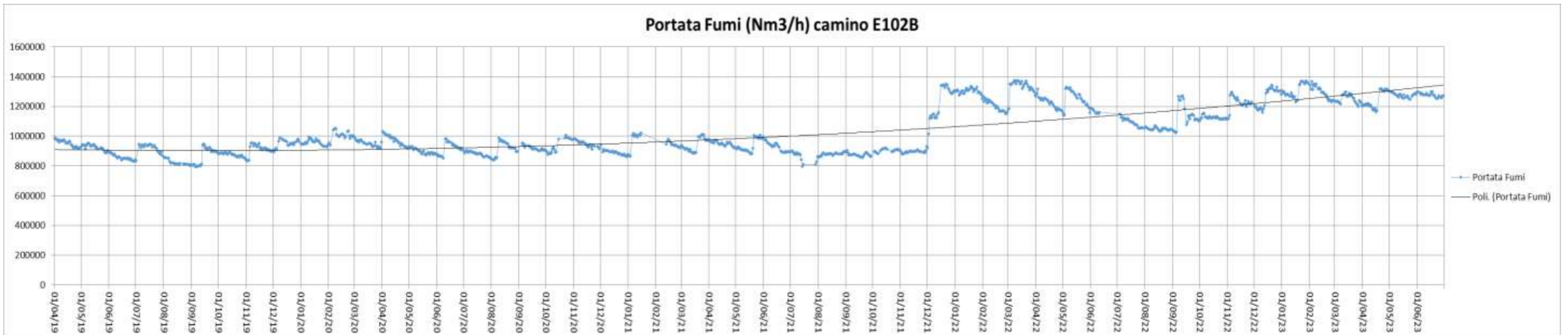
TAVOLA 4 - Camini Altoforno (AFO)
E102B, E103B, E109, E111, E112, E114, E134, E135, E137

Camino E102B

Polveri (mg/Nm3) camino E102B

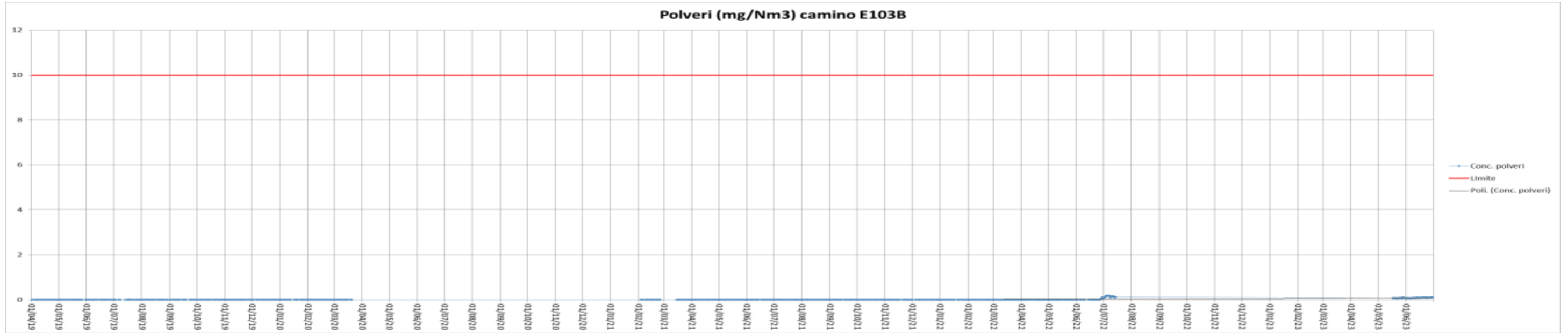


Portata Fumi (Nm3/h) camino E102B

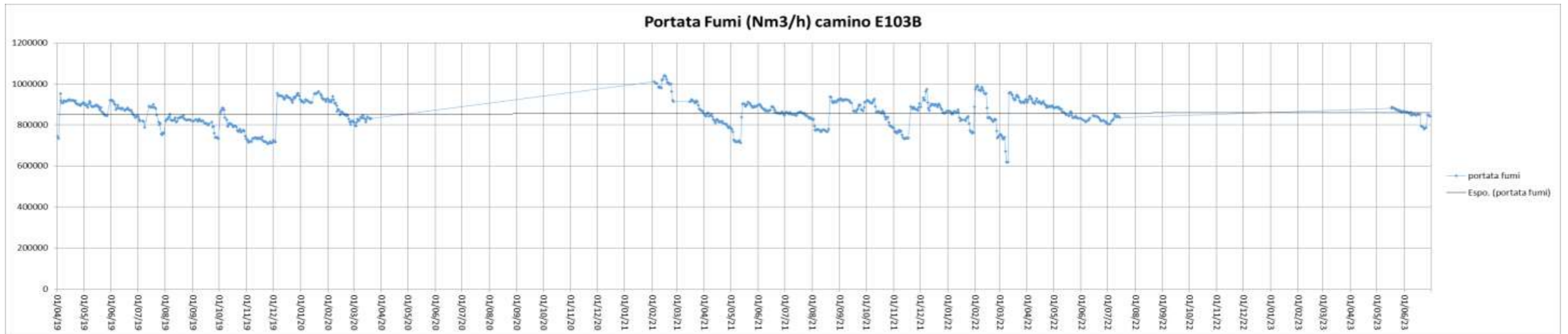


Camino E103B

Polveri (mg/Nm³) camino E103B

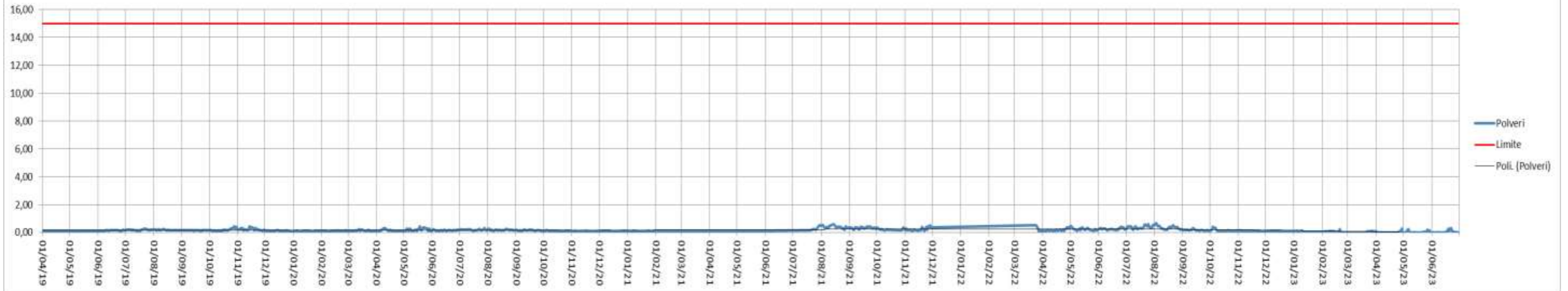


Portata Fumi (Nm³/h) camino E103B

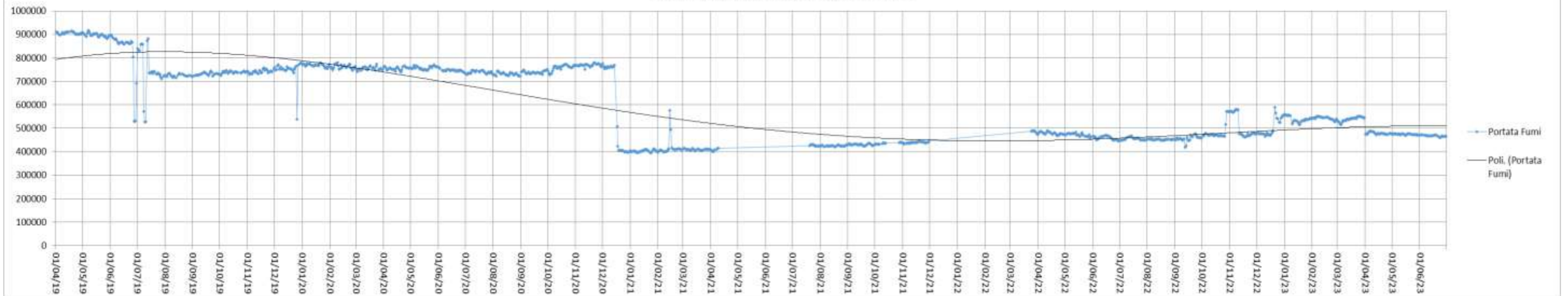


Camino E109

Polveri (mg/Nm3) camino E109

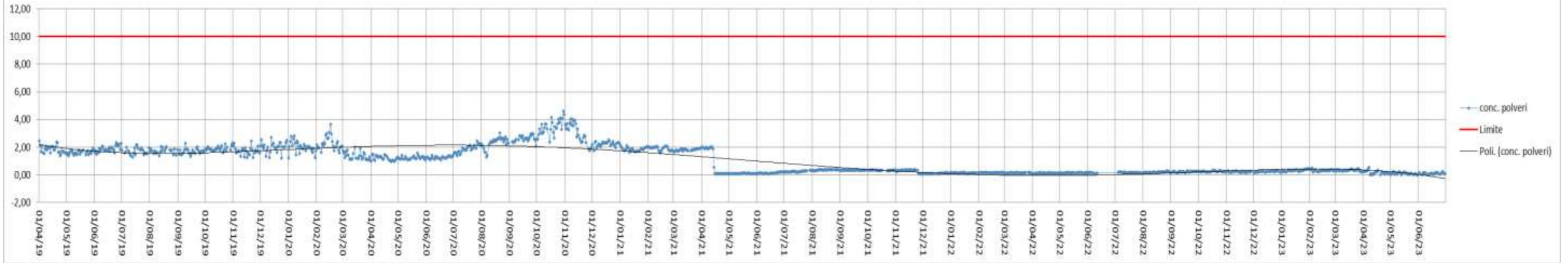


Portata Fumi (Nm3/h) camino E109

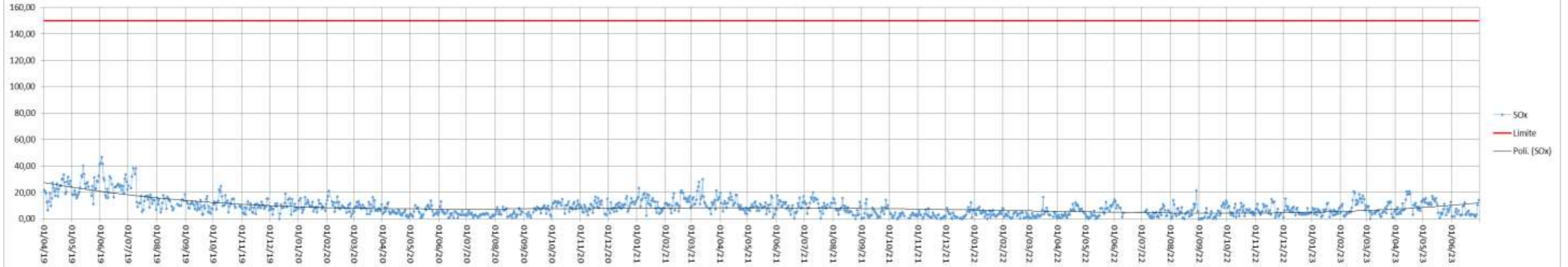


Camino E111

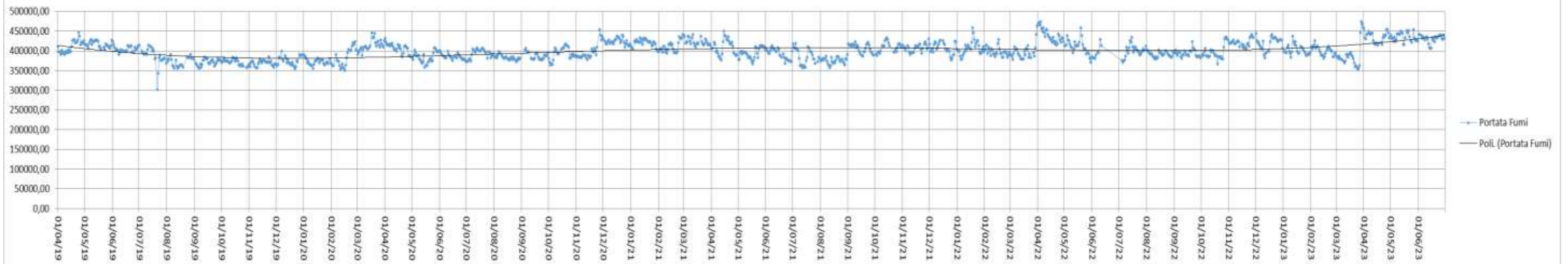
Polveri (mg/Nm3) camino E111



SOx (mg/Nm3) camino E111

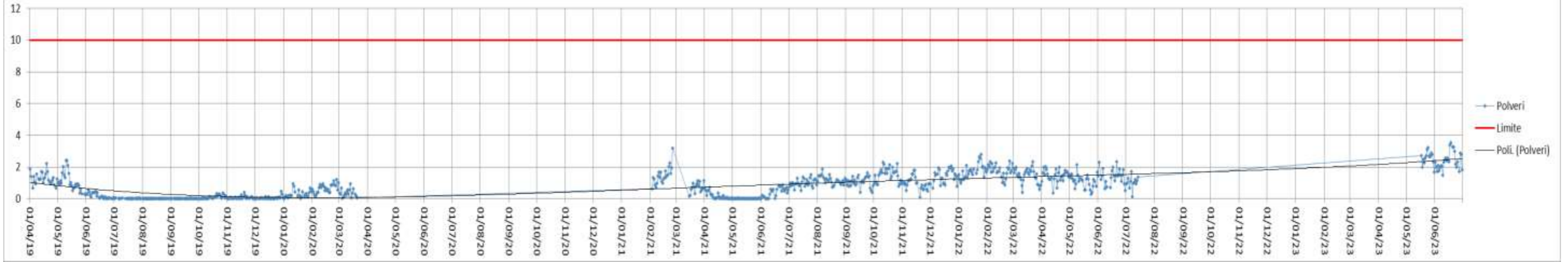


Portata Fumi (Nm3/h) camino E111

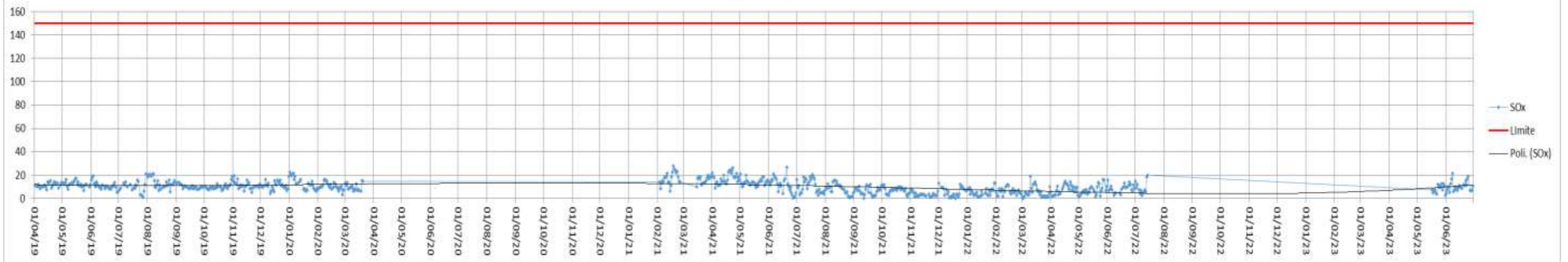


Camino E112

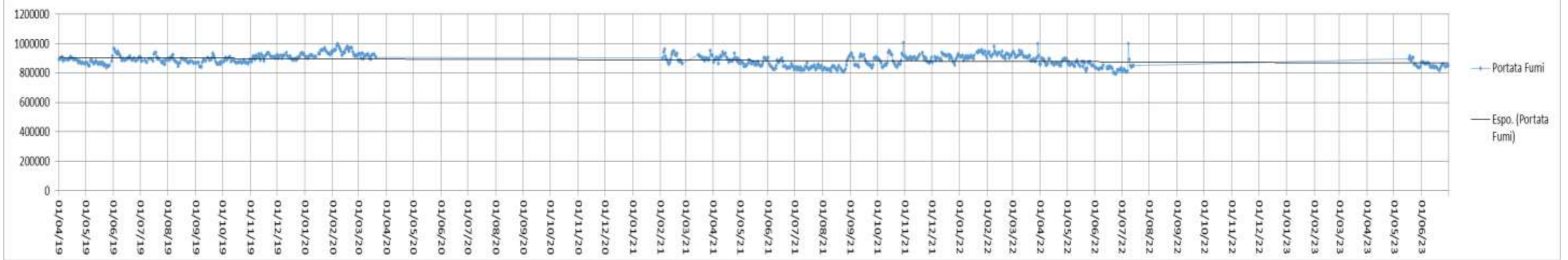
Polveri (mg/Nm3) camino E112



SOx (mg/Nm3) camino E112

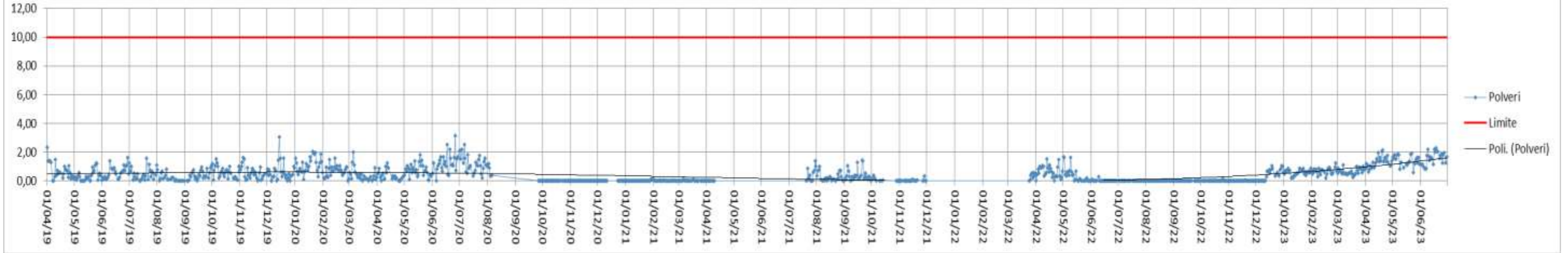


Portata Fumi (Nm3/h) camino E112

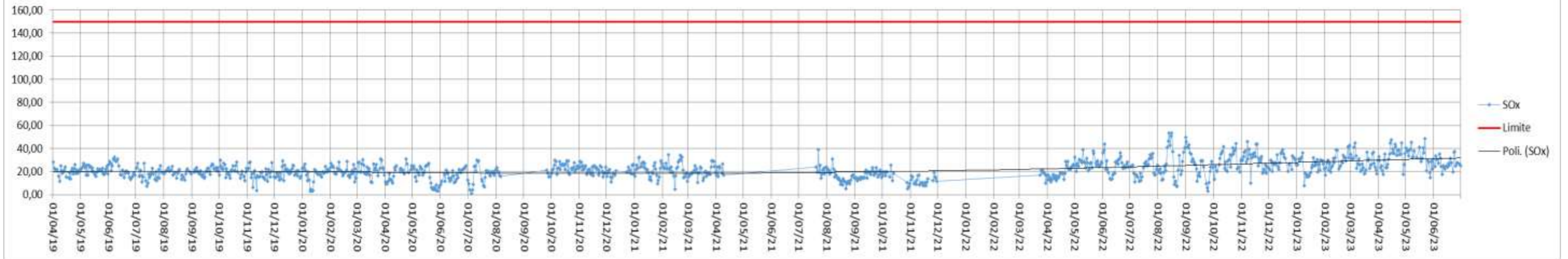


Camino E114

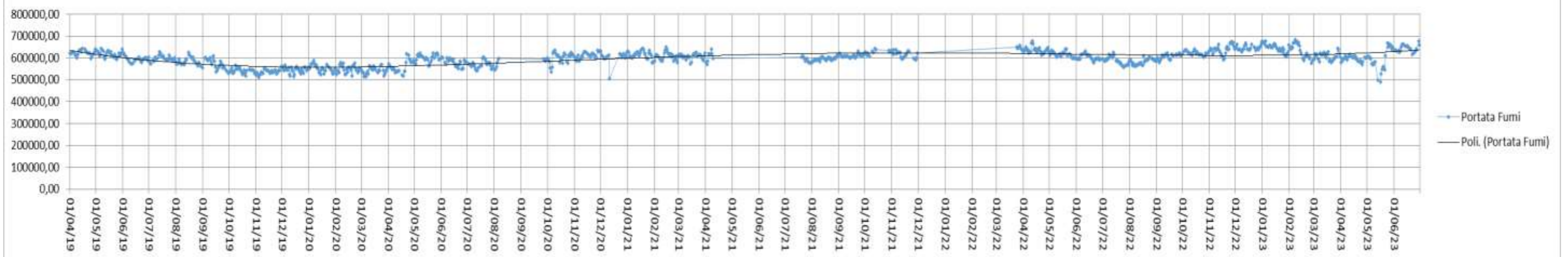
Polveri (mg/Nm3) camino E114



SOx (mg/Nm3) camino E114

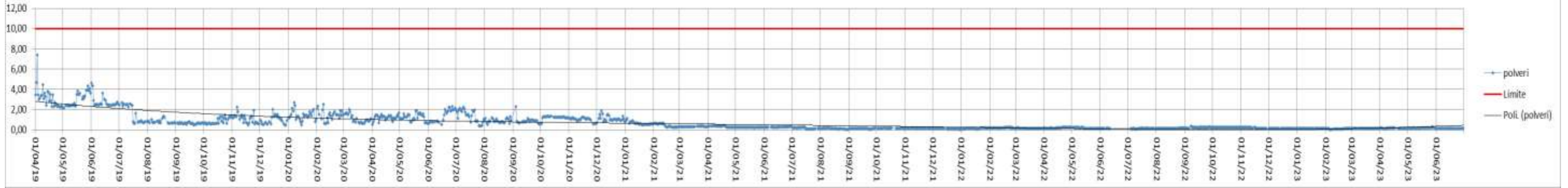


Portata Fumi (Nm3/h) camino E114

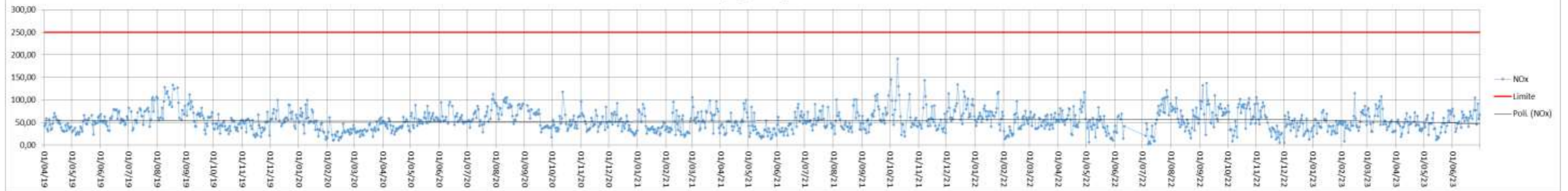


Camino E134

Polveri (mg/Nm3) camino E134



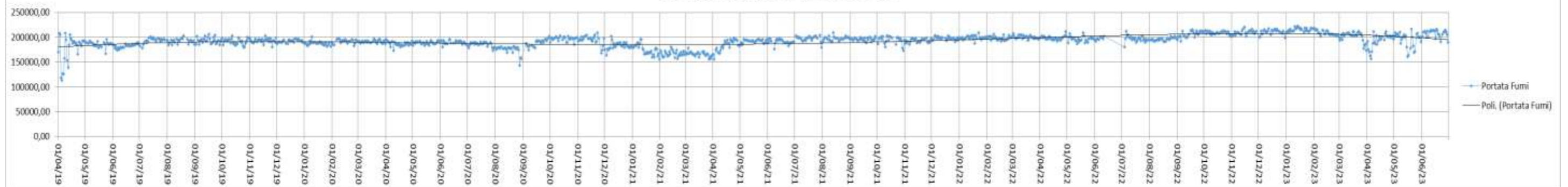
NOx (mg/Nm3) camino E134



SOx (mg/Nm3) camino E134

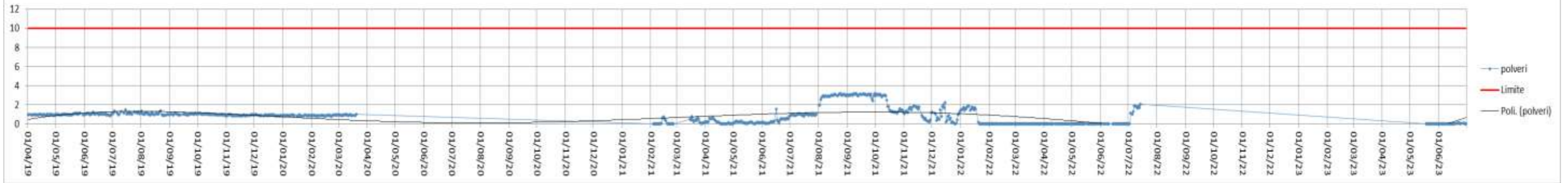


Portata Fumi (Nm3/h) camino E134

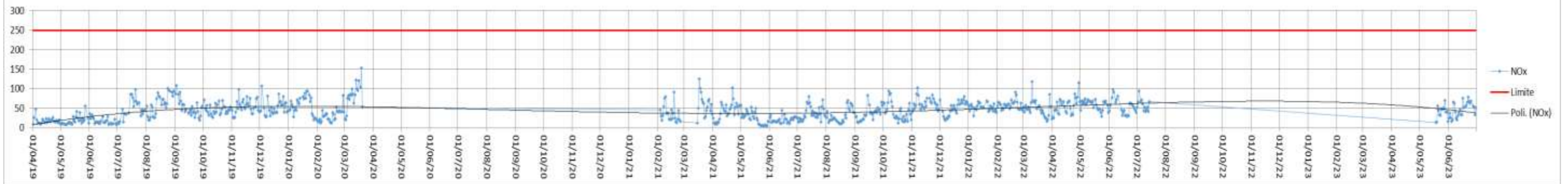


Camino E135

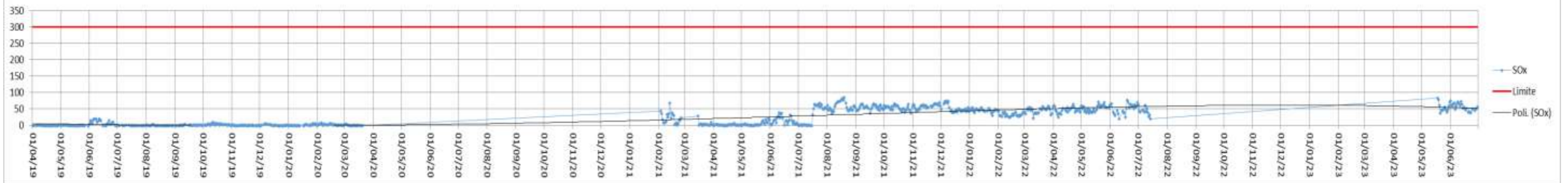
Polveri (mg/Nm3) camino E135



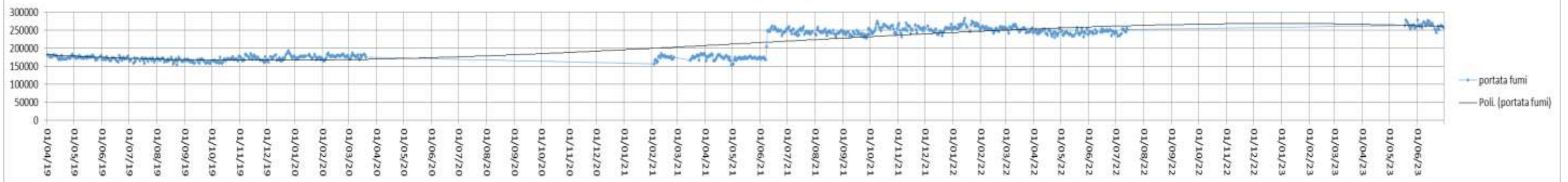
NOx (mg/Nm3) camino E135



SOx (mg/Nm3) camino E135

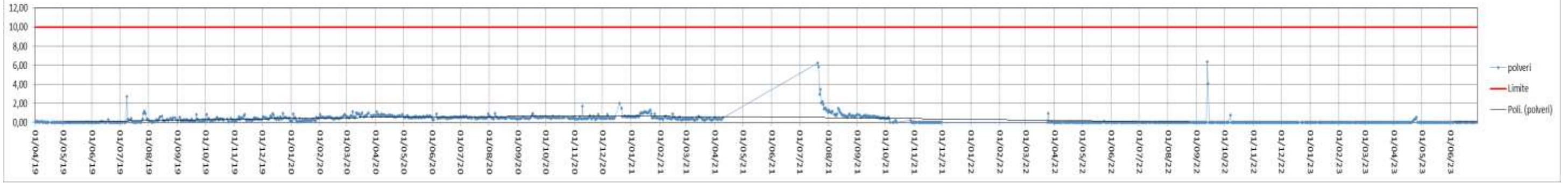


Portata Fumi (Nm3/h) camino E135

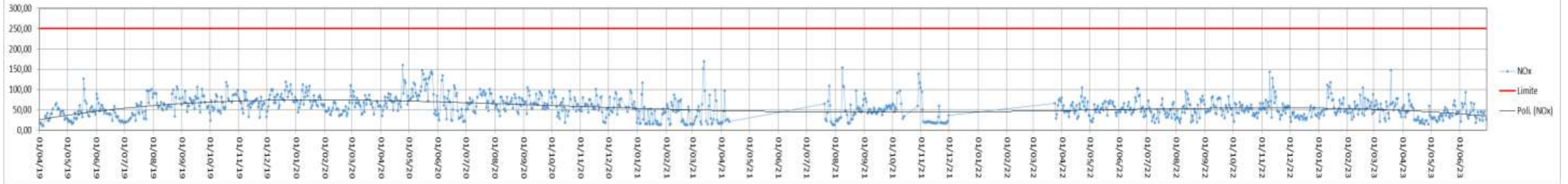


Camino E137

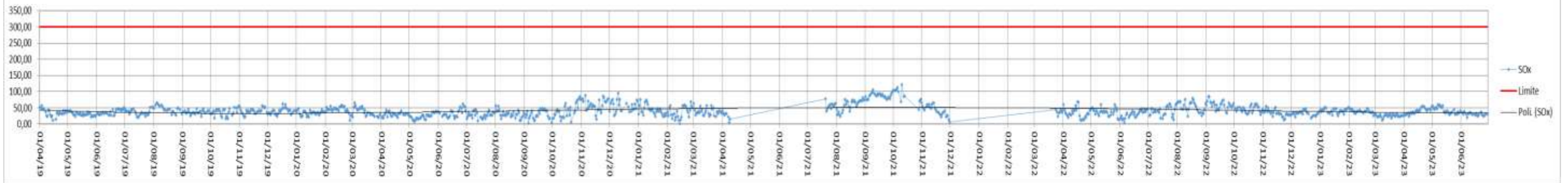
Polveri (mg/Nm3) camino E137



NOx (mg/Nm3) camino E137



SOx (mg/Nm3) camino E137



Portata Fumi (Nm3/h) camino E137

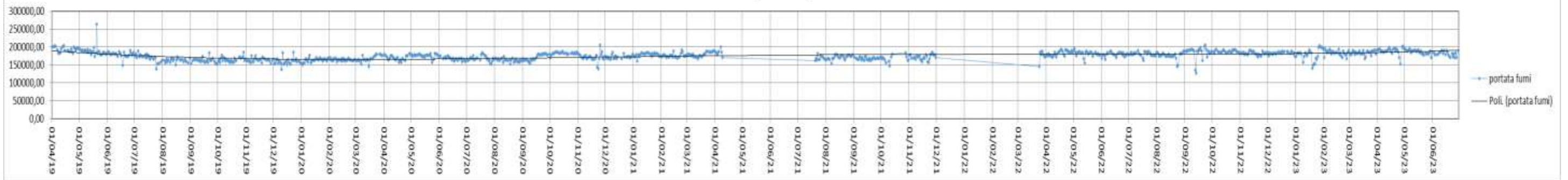


TAVOLA 5- Produzione acciaio ed emissioni diffuse totali nello stabilimento (Tabella)

IMPIANTO	Produzione (Ktonnellata/anno)						Polveri (t/anno)						IPA (BaP) (Kg/anno)						Benzene (t/anno)						PCDD/F (g/anno)						H ₂ S (t/anno)						SO ₂ (t/anno)											
	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022						
	kt						t						Kg						t						g						t						t											
COKERIA (CARICAMENTO - COKEFAZIONE - SFORNAMENTO)	1234	1232	1181	992	1002	1178	25,52	25,24	24,52	20,81	16,84	12,96	17,06	17,03	16,32	13,72	13,85	16,28	1,26	1,26	1,20	1,01	1,02	1,20																								
COKERIA (TORRI SPEGNIMENTO COKE)							22,54	26,90	33,10	24,42	12,84	3,80																																				
AGGLOMERATO (SECONDARIA)	5525	4901	4878	4132	4589	4003	18,74	18,88	20,06	21,42	21,99	12,90													0,0044	0,0783	0,0110	0,0171	0,0303	0,0232																		
AGGLOMERATO (RAFFREDDATORI)							35,09	31,71	30,49	27,10	29,46	25,35													0,0059	0,0523	0,0081	0,0436	0,0516	0,0184																		
ALTOFORNI (Stock-House)							27,8	9,0	0,0	0,0	0,0	0,0																																				
ALTOFORNI (Colaggio)	4673	4430	4173	3313	3926	3464	88,8	84,2	79,3	62,9	74,6	65,8																			4,0	3,9	3,4	2,9	3,1	2,7	2,0	1,9	1,7	1,4	1,5	1,3						
																															43,2	35,4	53,8	29,1	54,4	49,3	21,3	17,4	26,5	14,3	26,8	24,3						
																															(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)	(SCVL)						
ACCIAIERIA	4732	4520	4211	3371	4063	3556	37,9	36,2	33,7	27,0	32,5	28,5																																				
TOTALE AREA A CALDO							256,39	232,13	221,17	183,65	188,23	149,32	17,06	17,03	16,32	13,72	13,85	16,28	1,26	1,26	1,20	1,01	1,02	1,20	0,0103	0,1306	0,0191	0,0607	0,0819	0,0415	47,2	39,3	57,2	32,0	57,5	52,0	23,3	19,3	28,2	15,7	28,3	25,6						
TOTALE STABILIMENTO							307,5	290,5	257,5	225,4	206,4	163,3	17,06	17,03	16,32	13,72	13,85	16,28	1,26	1,26	1,20	1,01	1,02	1,20	0,0103	0,1306	0,0191	0,0607	0,0819	0,0415	47,2	39,3	57,2	32,0	57,5	52,0	23,27	19,31	28,20	15,70	28,30	25,64						

(*) Fattore di emissione: 0,002

(**) Fattore di emissione: 0,027

(***) Fattore di emissione: 0,004

(****) Fattore di emissione: 0,015

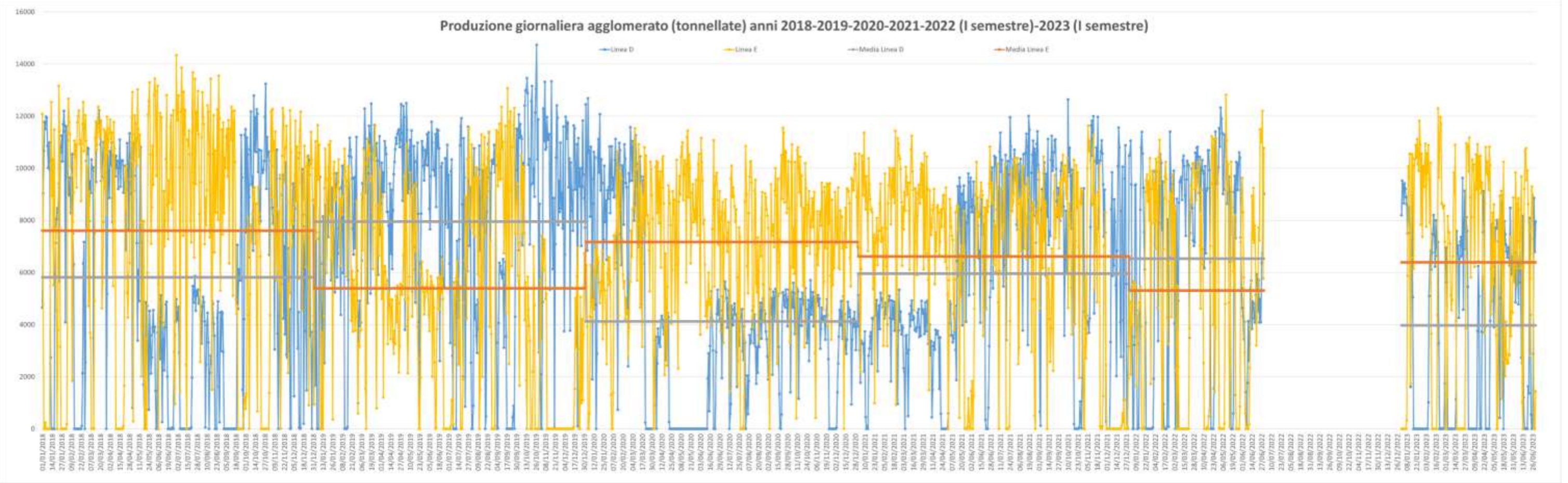
(*****) Fattore di emissione: 0,018

(*****) Fattore di emissione: 0,010

(SCVL) Senza Condensazione Vapori Loppa

TAVOLA 6: Produzione Agglomerato e Cokeria

Produzione giornaliera agglomerato (tonnellate) anni 2018-2019-2020-2021-2022 (I semestre)-2023 (I semestre)



Produzione media mensile agglomerato (tonnellate)

