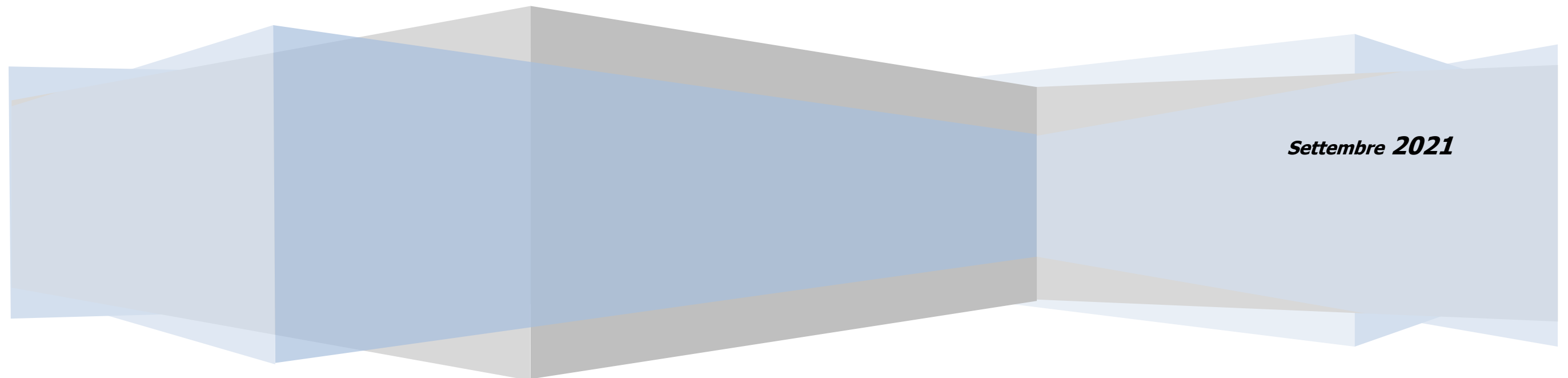


**ISPRA**

**APPENDICE 2**

*Trends emissivi Camini Area a caldo*

- TAVOLA 1: Cokerie*
- TAVOLA 2: Agglomerato*
- TAVOLA 3: Acciaierie*
- TAVOLA 4: Altoforni*
- TAVOLA 5: Emissioni diffuse*



## APPENDICE 2

Trends emissivi Camini Area a caldo

**TAVOLA 1:** Cokerie (Camini E424, E426, E428, E435, E436)

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

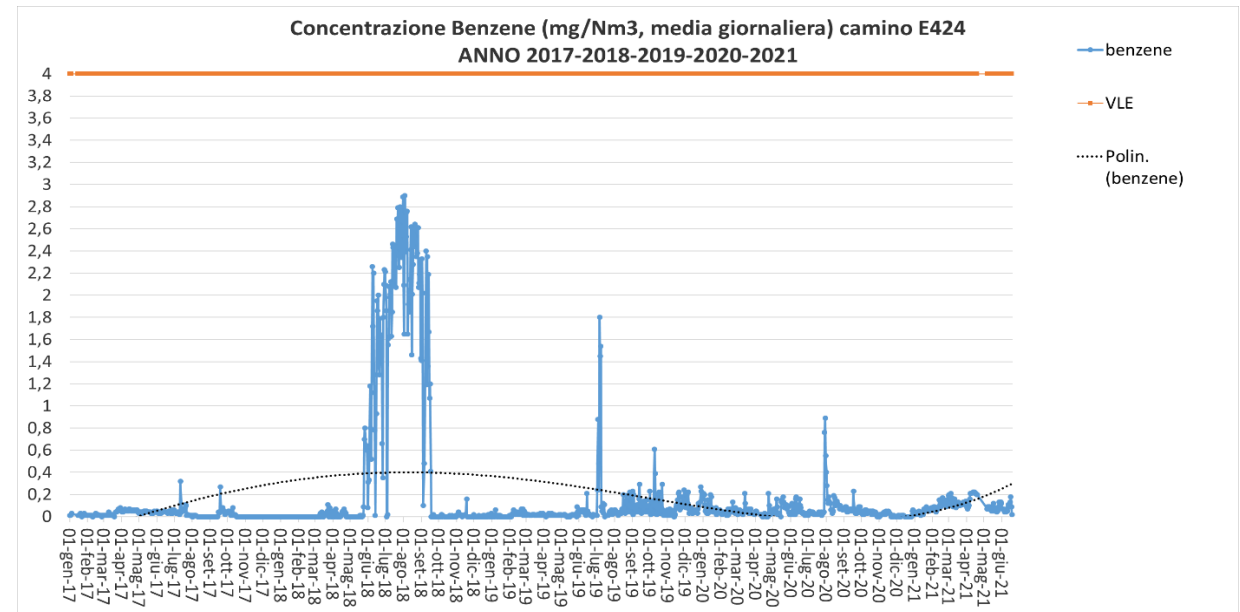
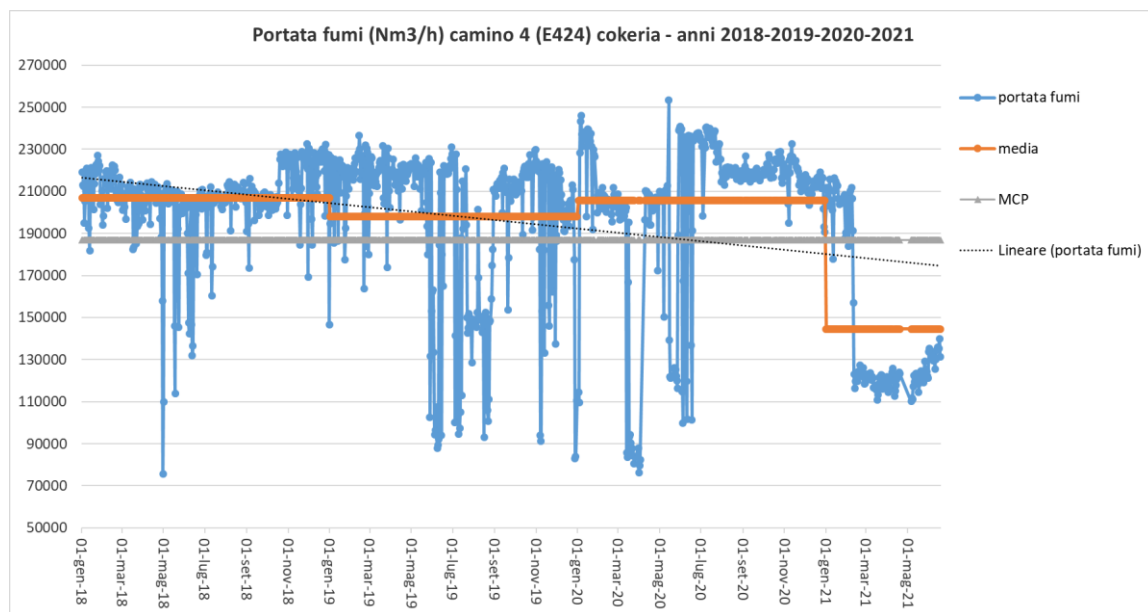
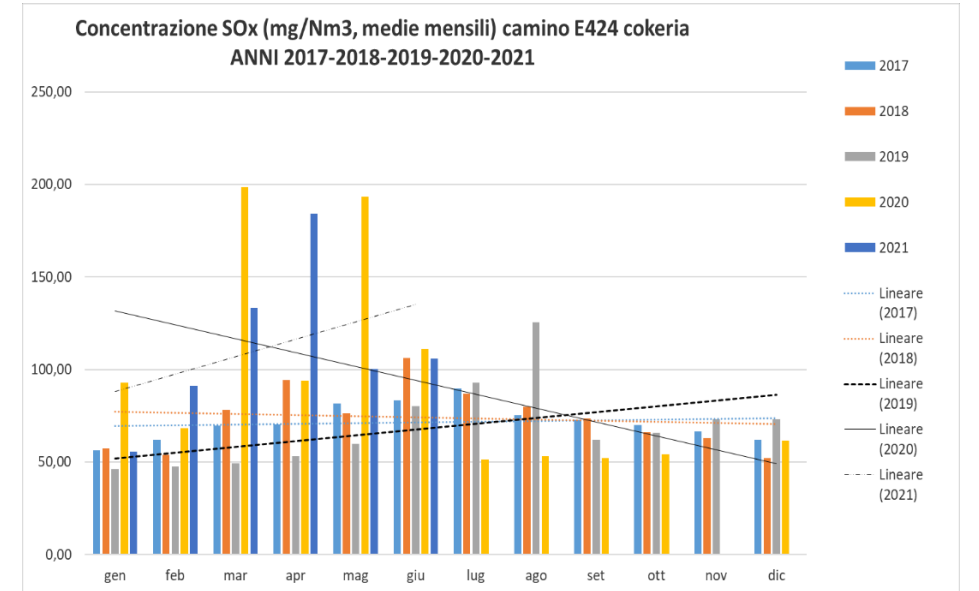
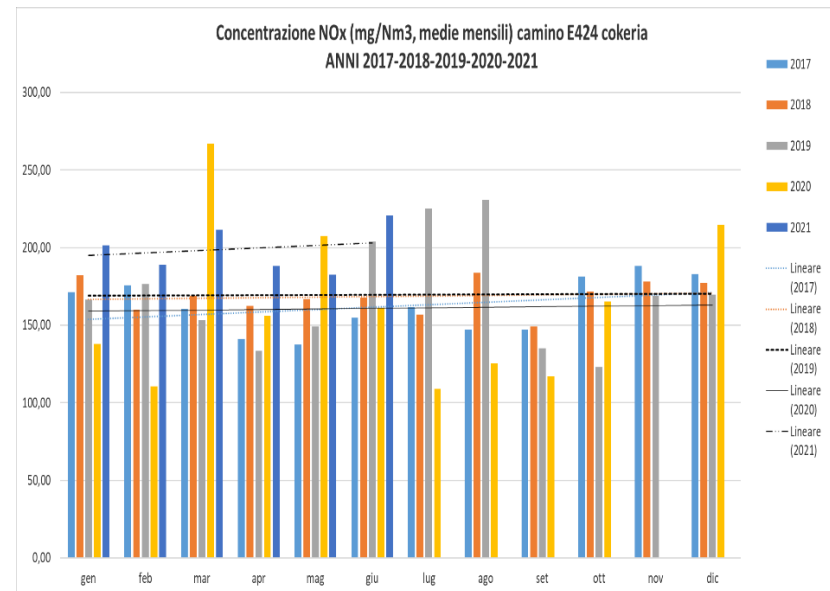
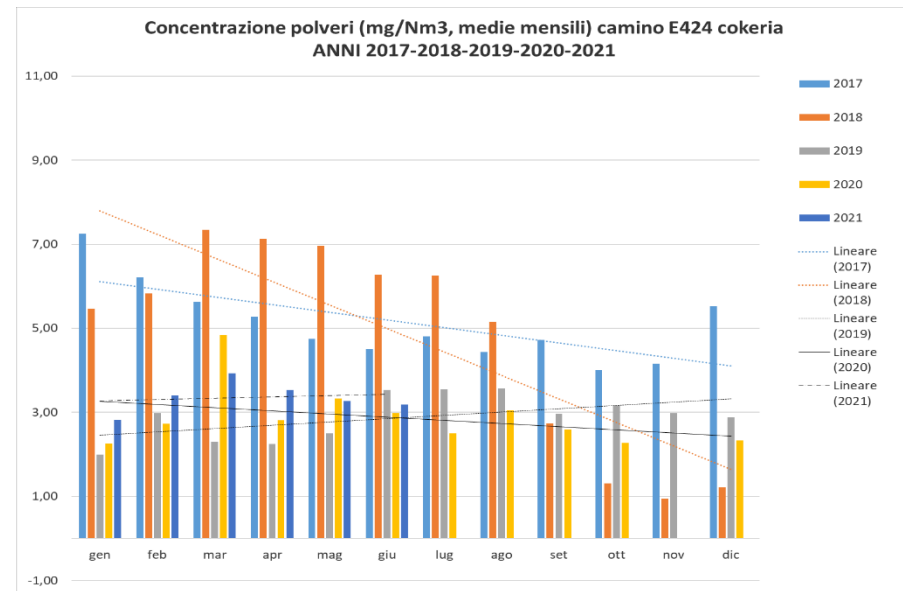
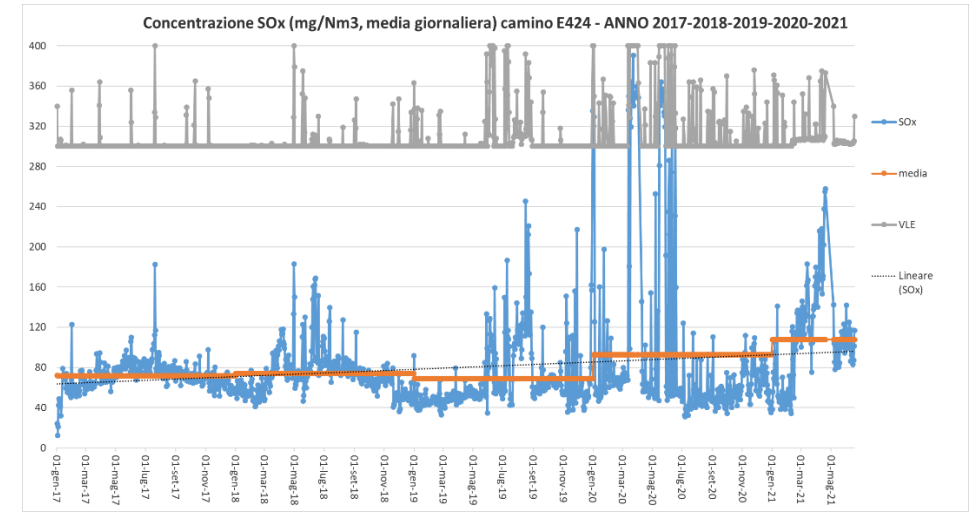
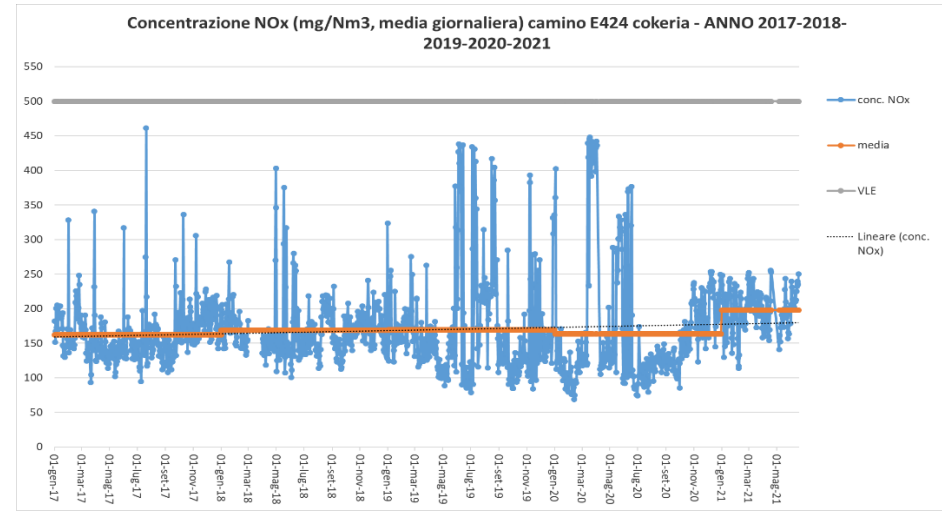
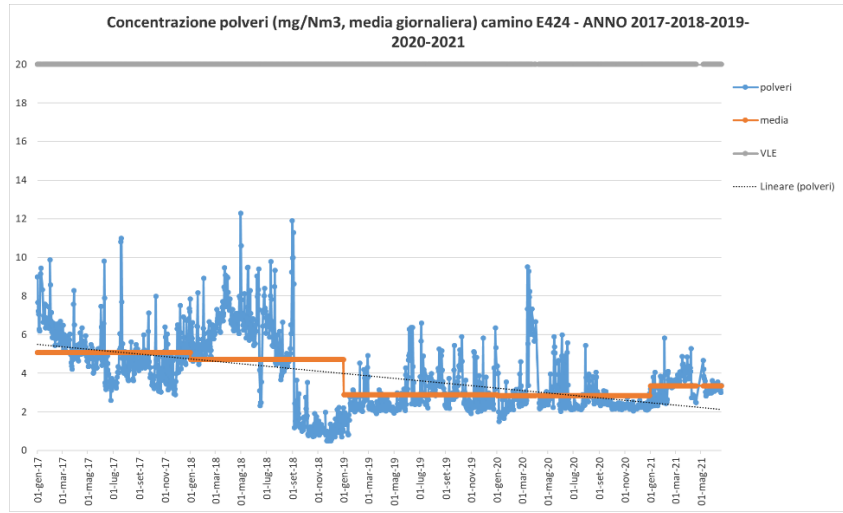
**TAVOLA 3:** Acciaierie (E525, E525b, E551b e E551c)

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

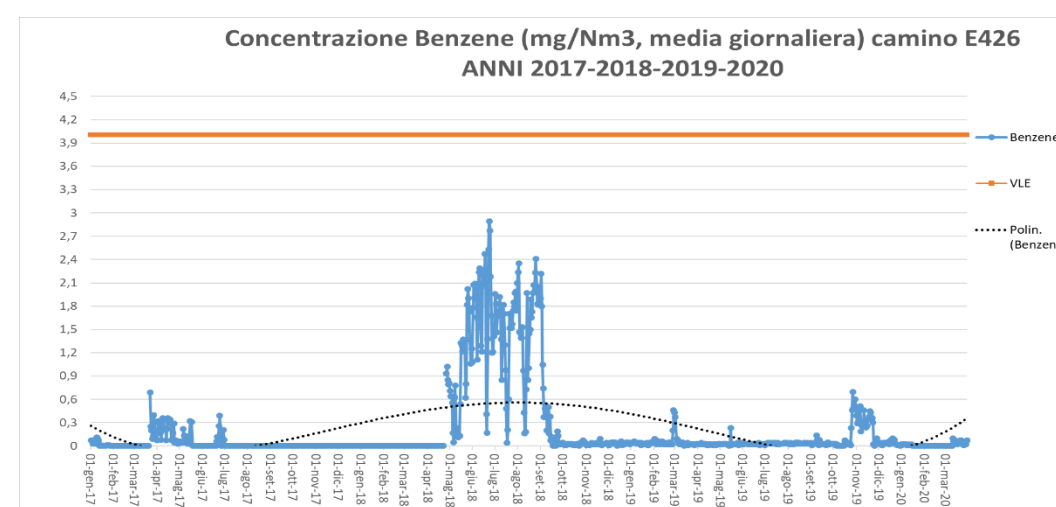
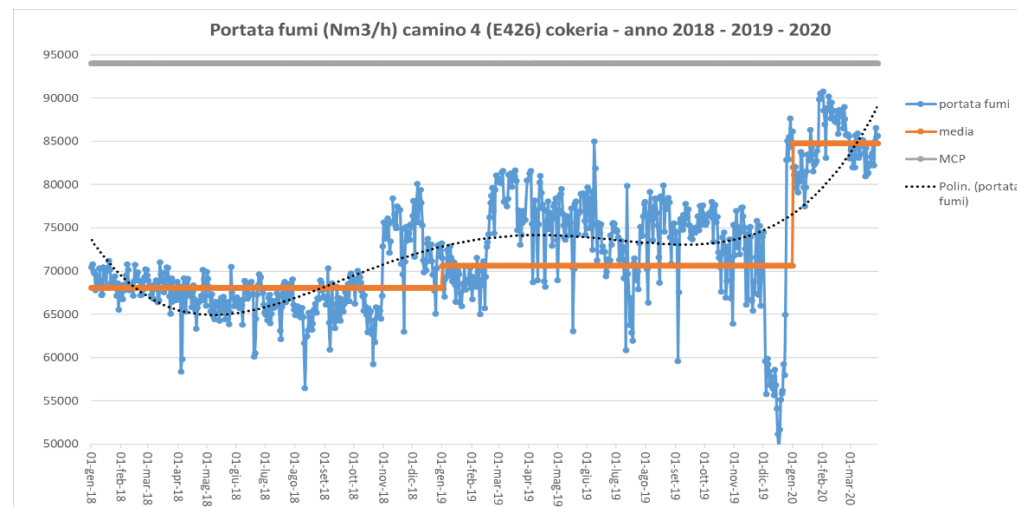
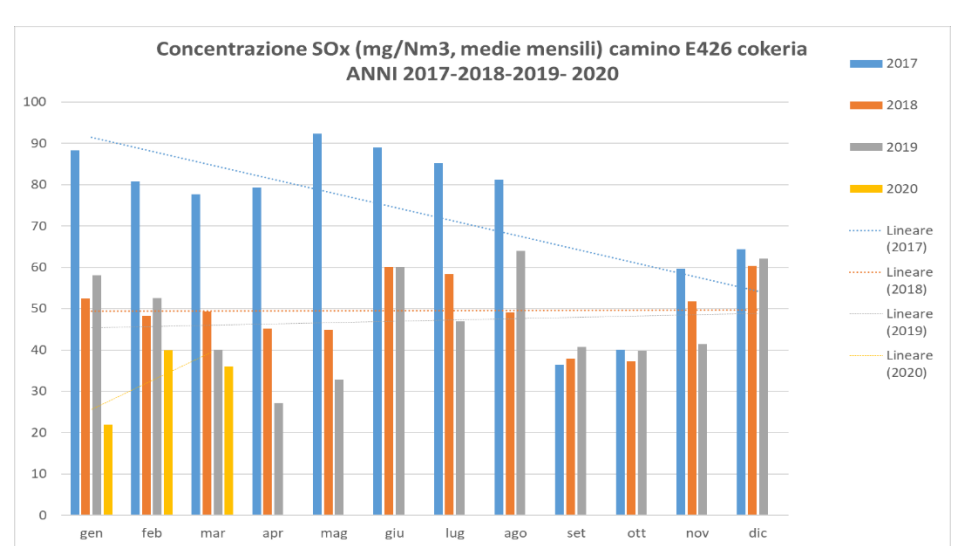
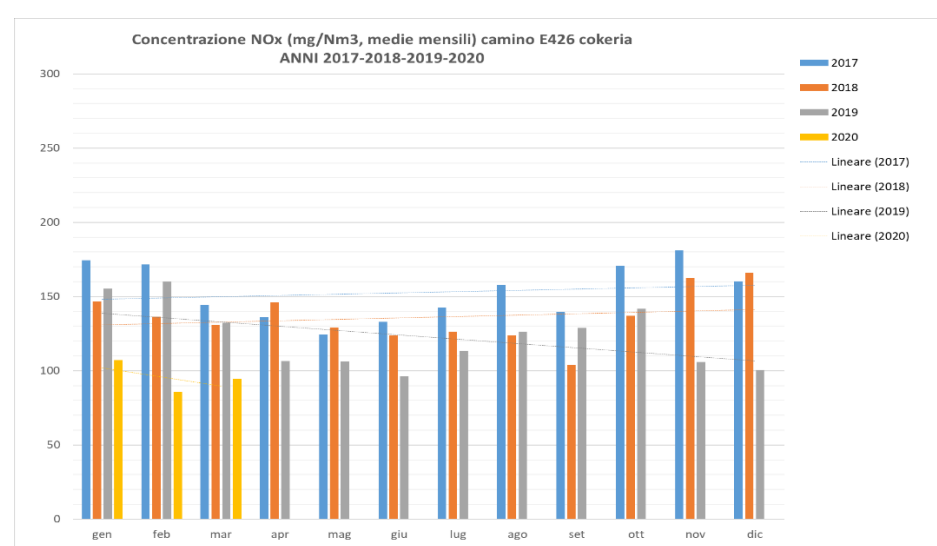
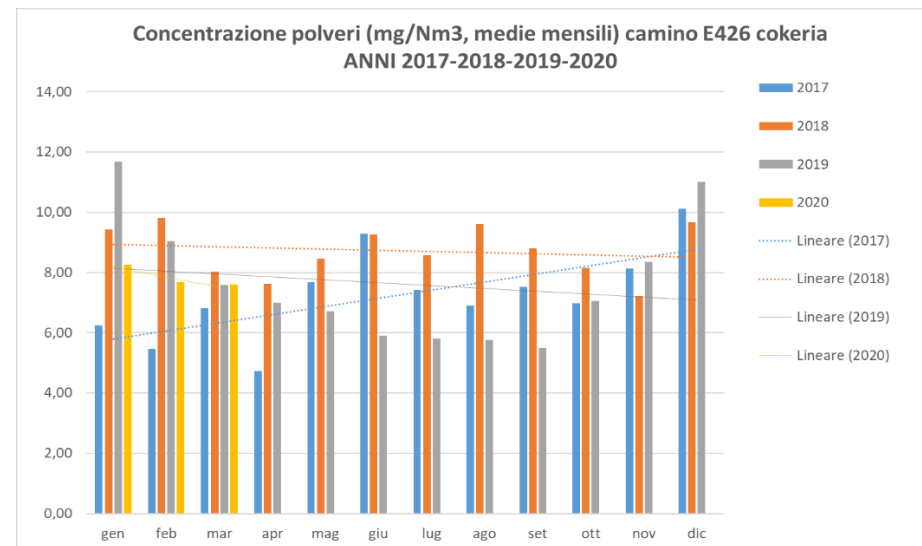
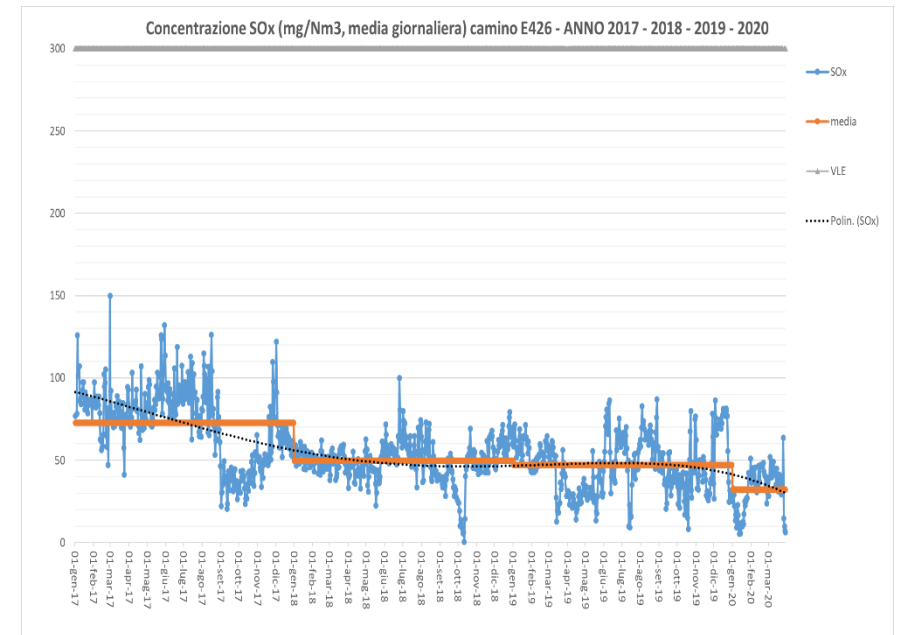
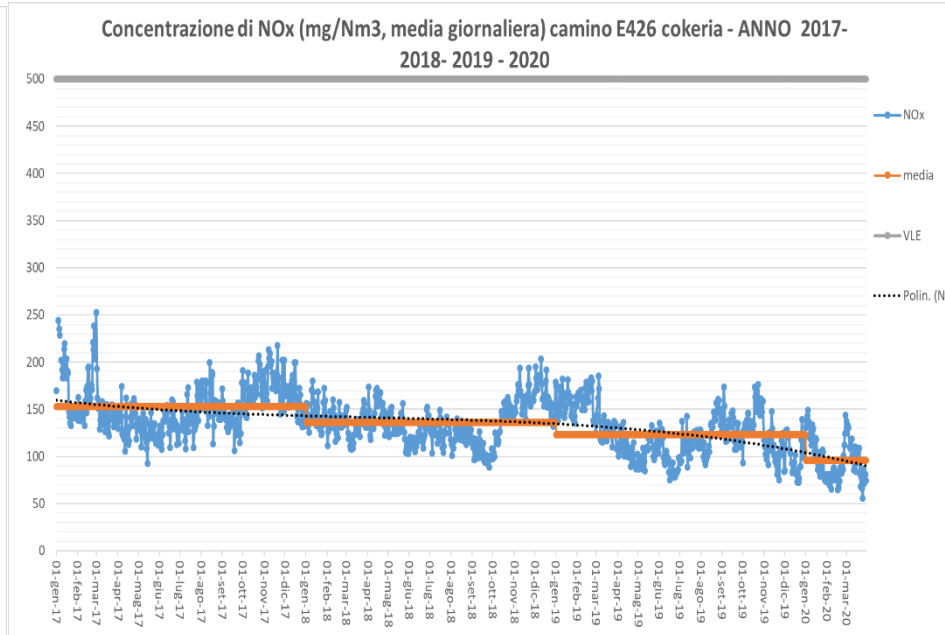
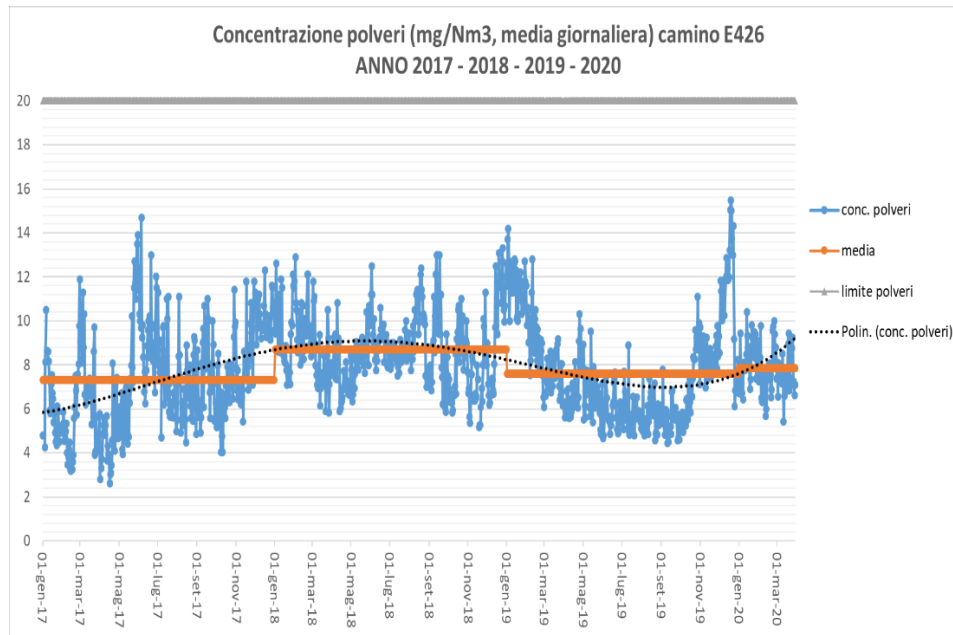
**TAVOLA 5:** Tabella Emissioni diffuse

**TAVOLA 1 - Camini cokeria  
E424, E426, E428, E435, E436**

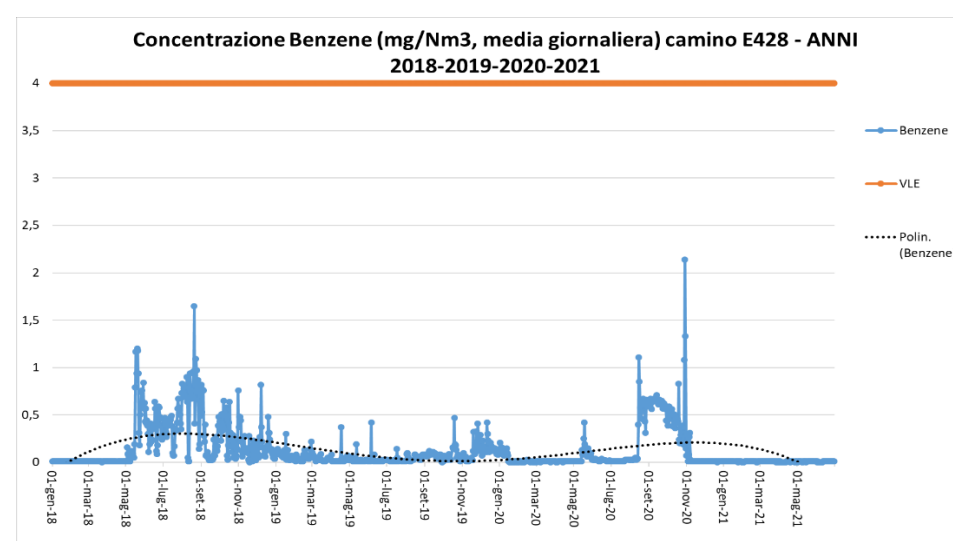
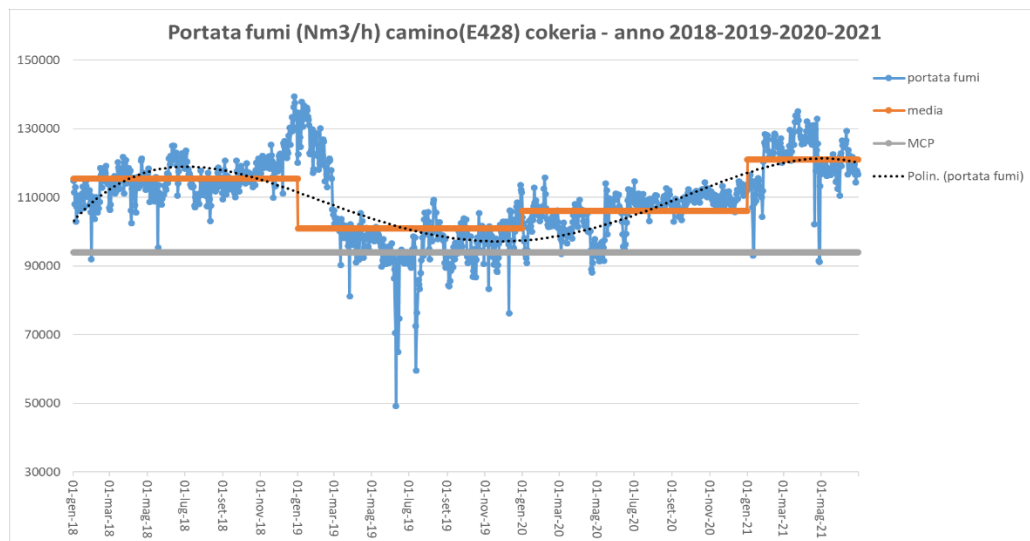
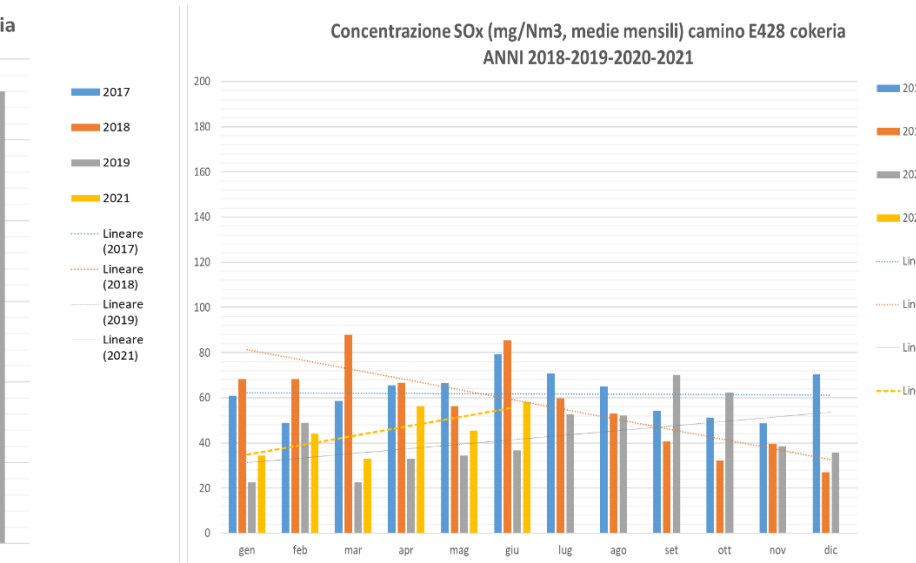
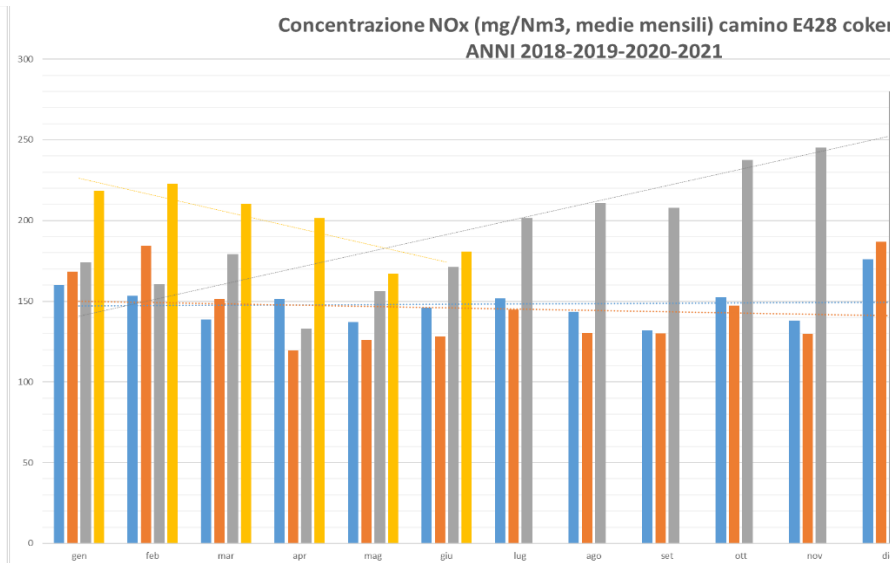
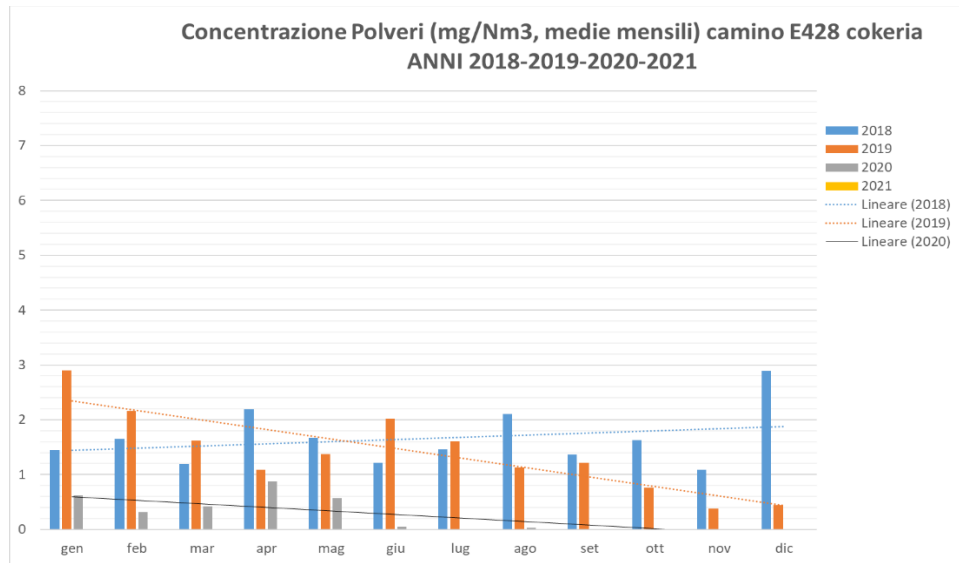
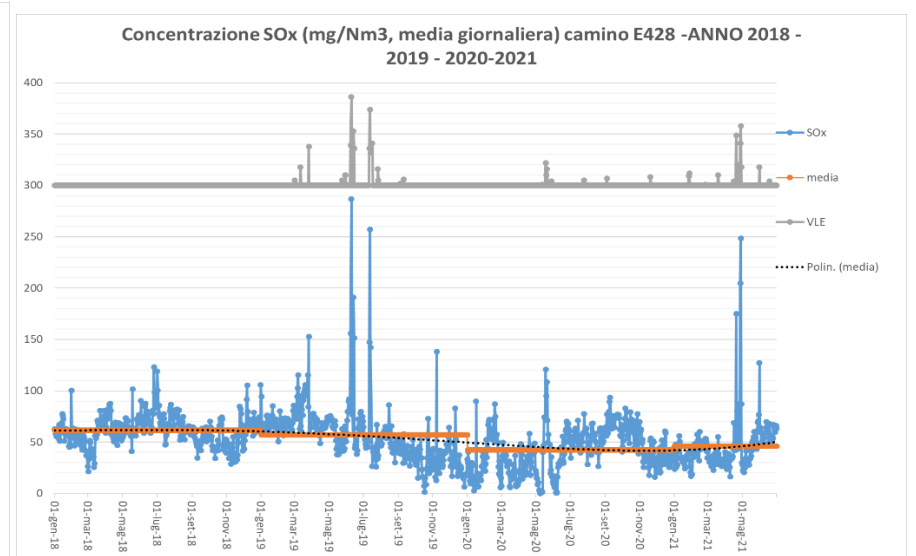
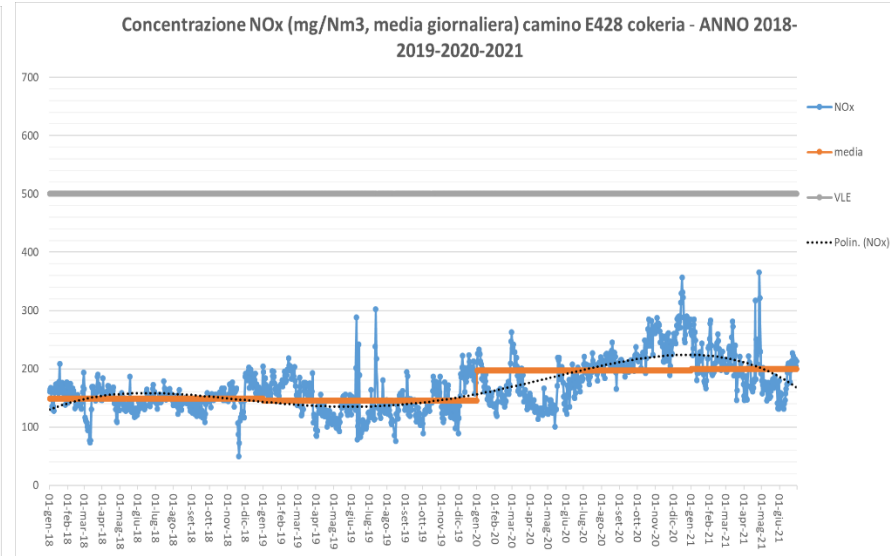
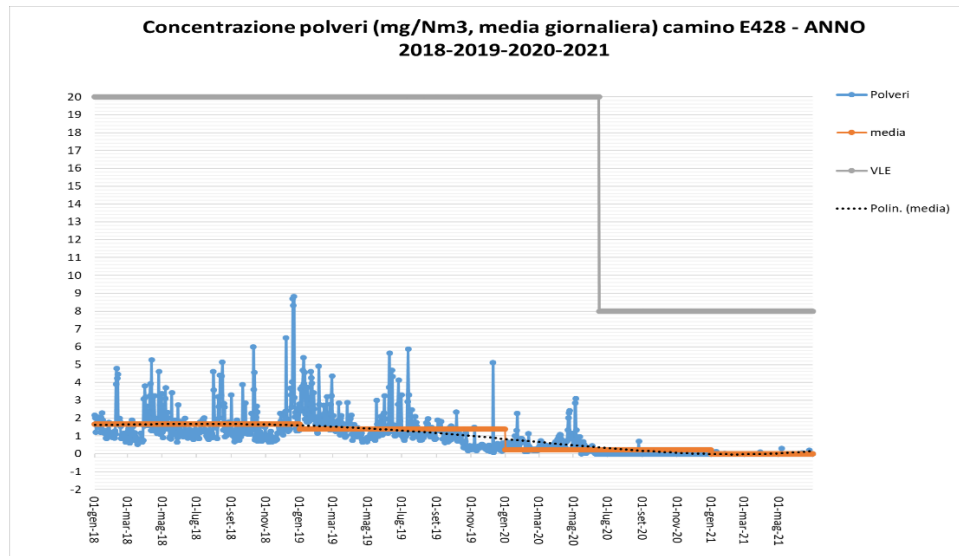
# Camino E424



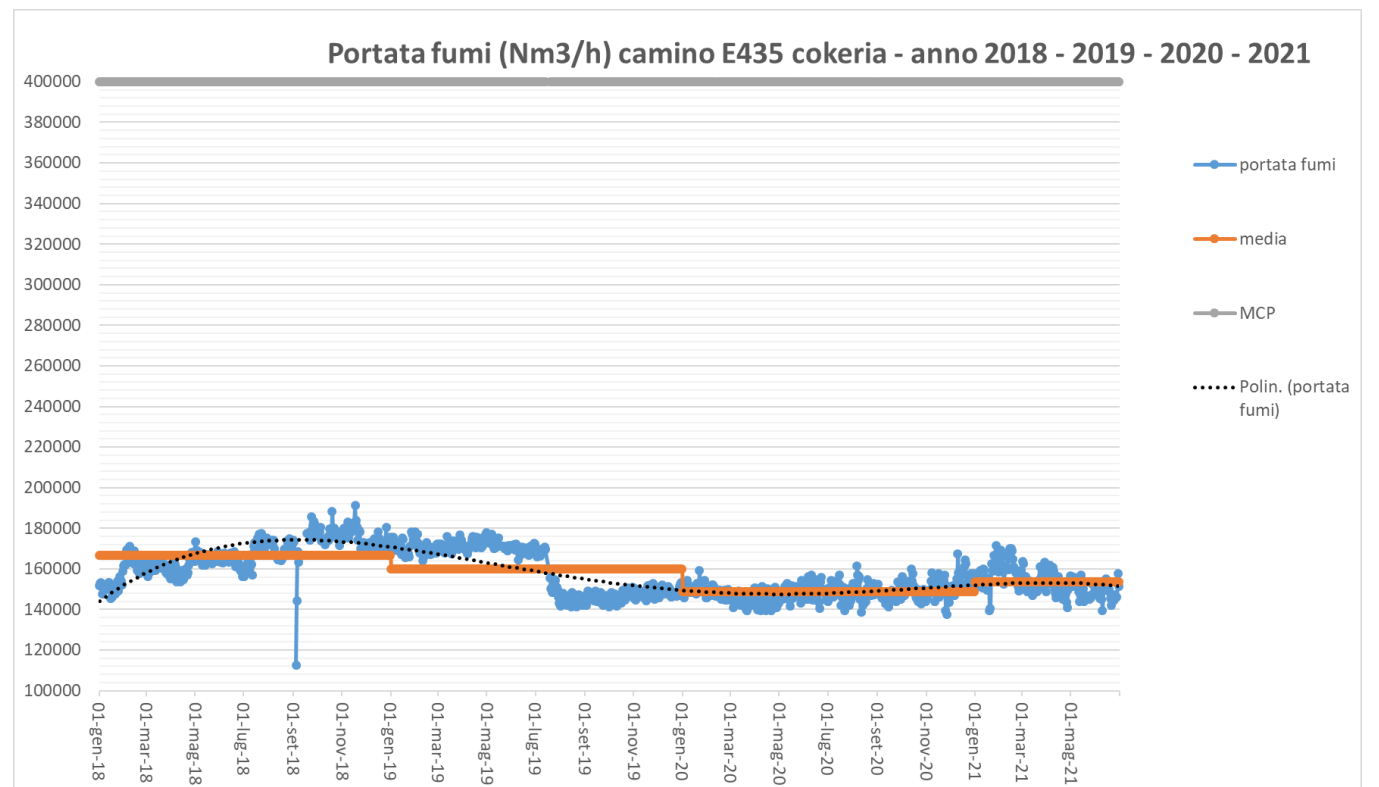
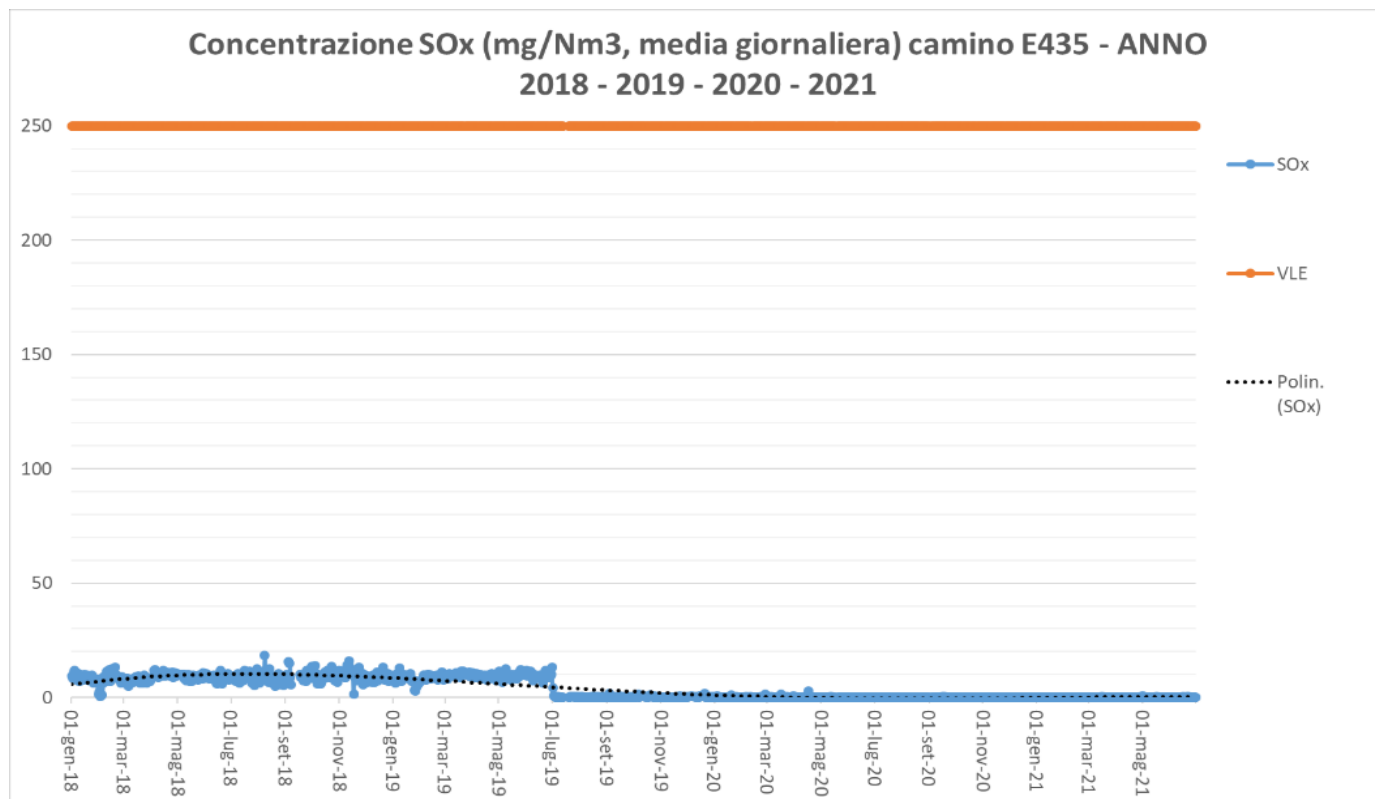
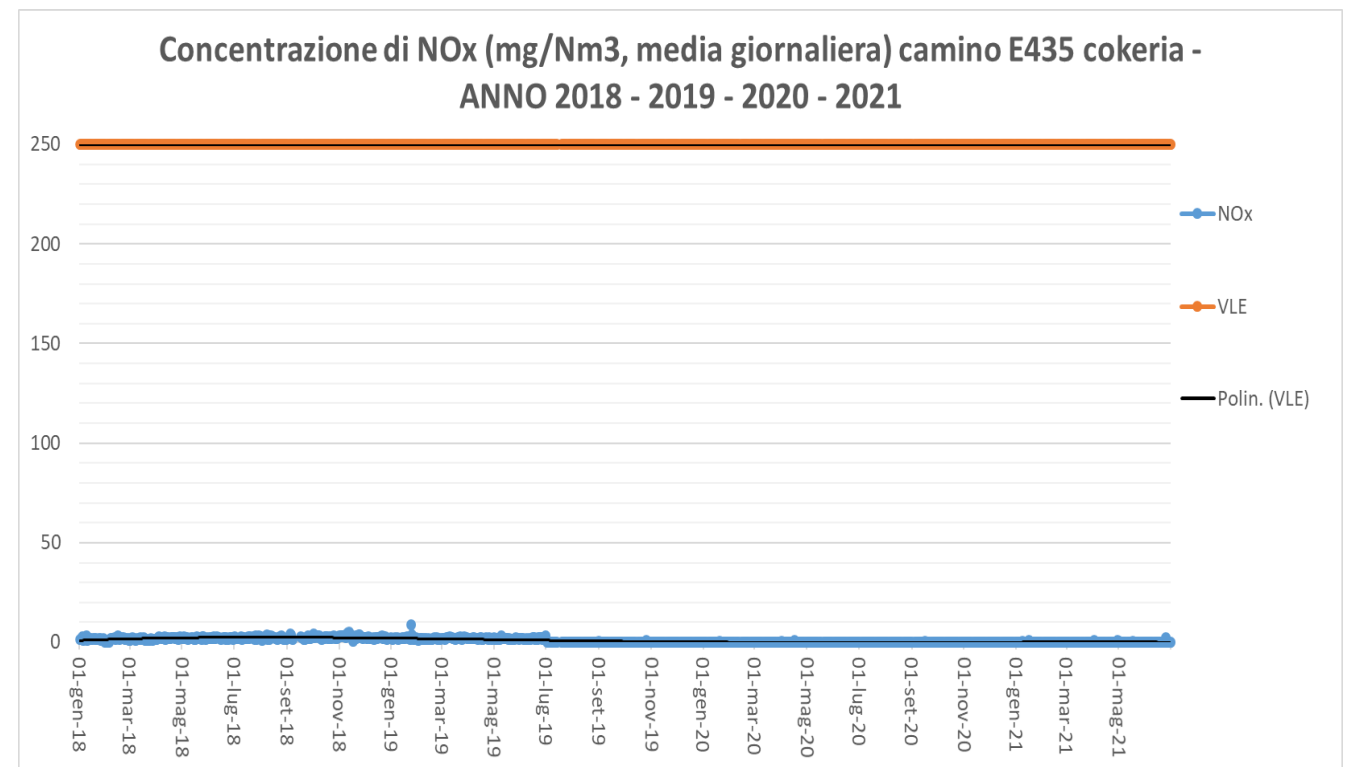
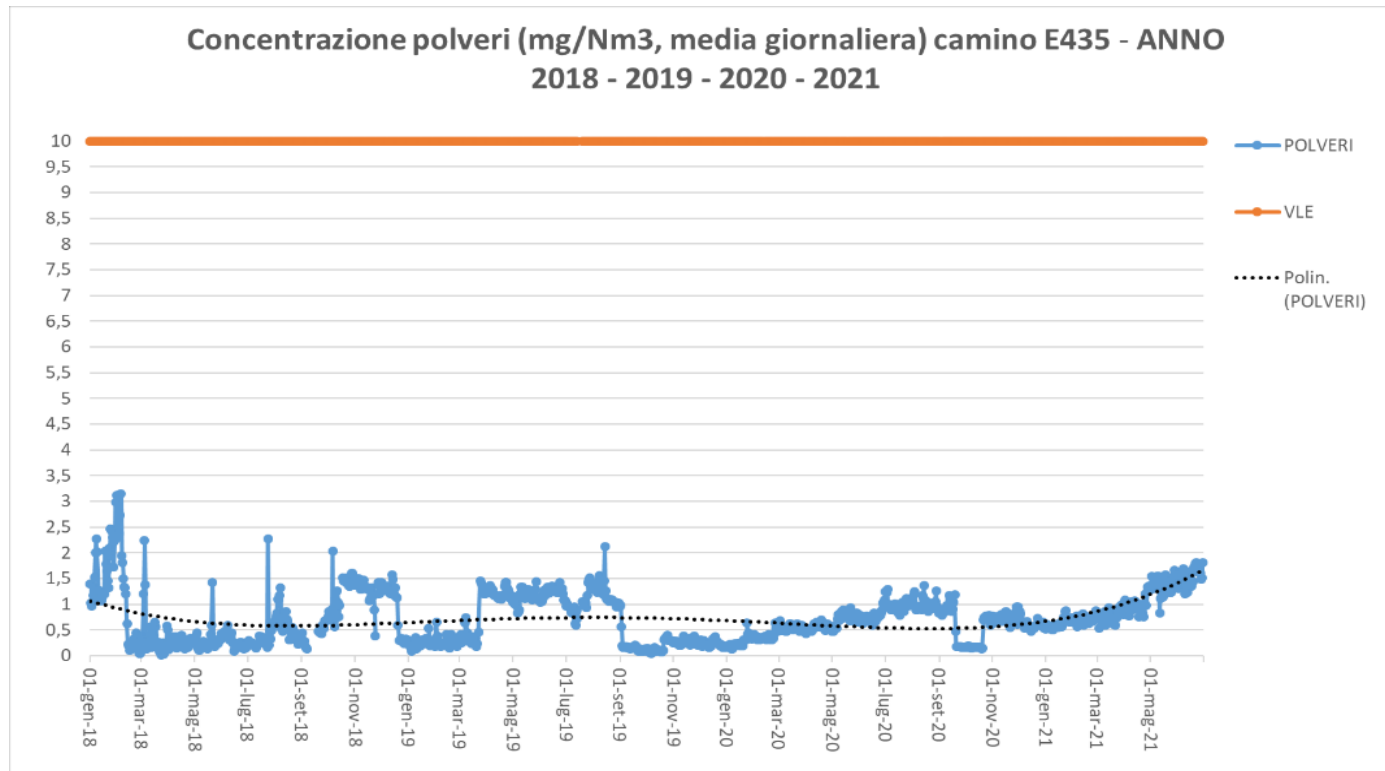
## Camino E426



## Camino E428

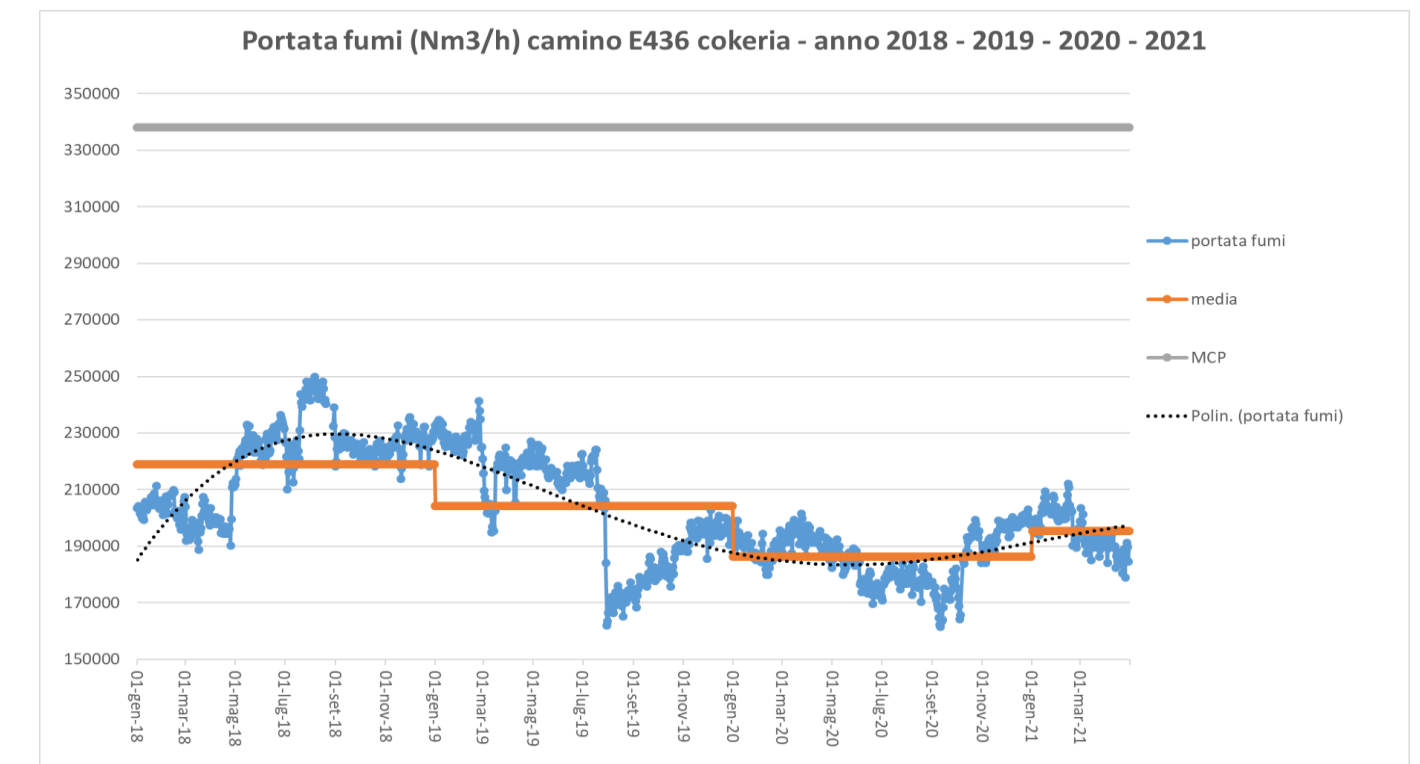
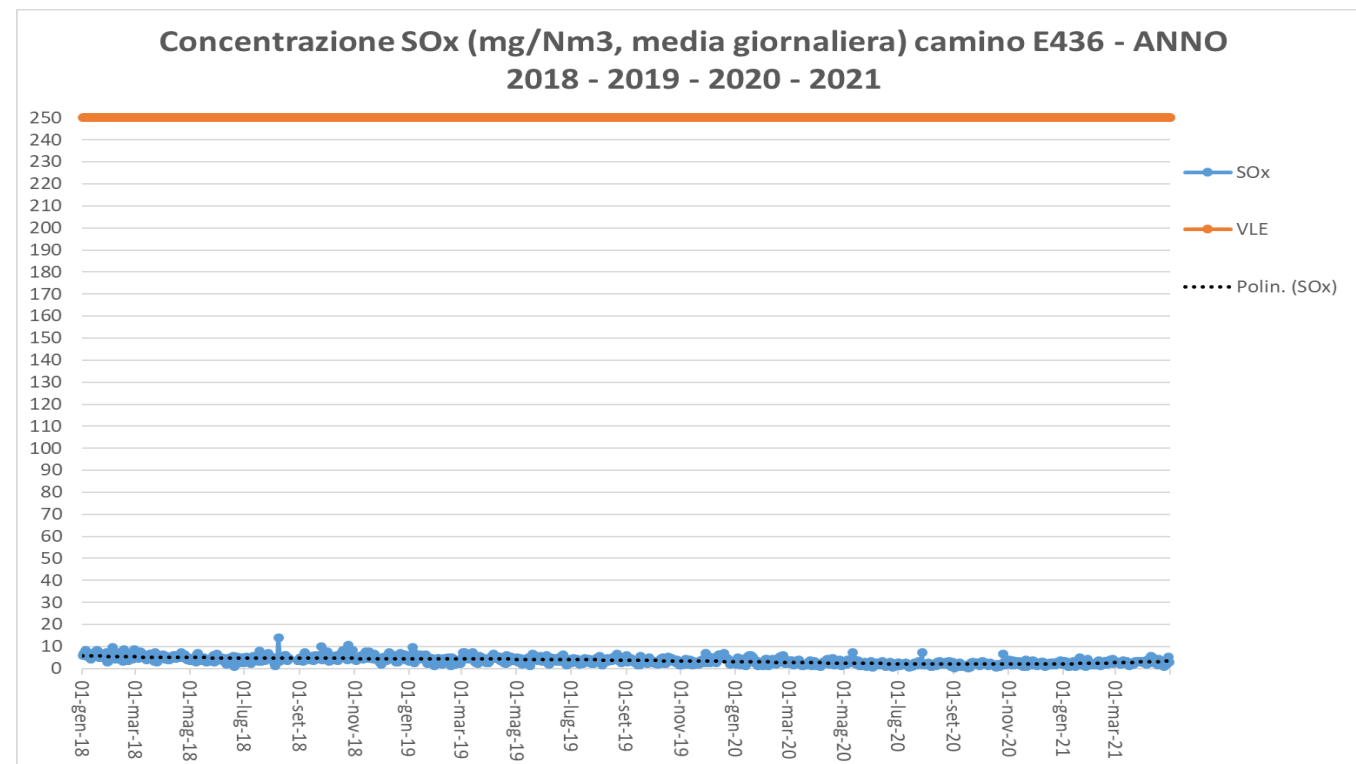
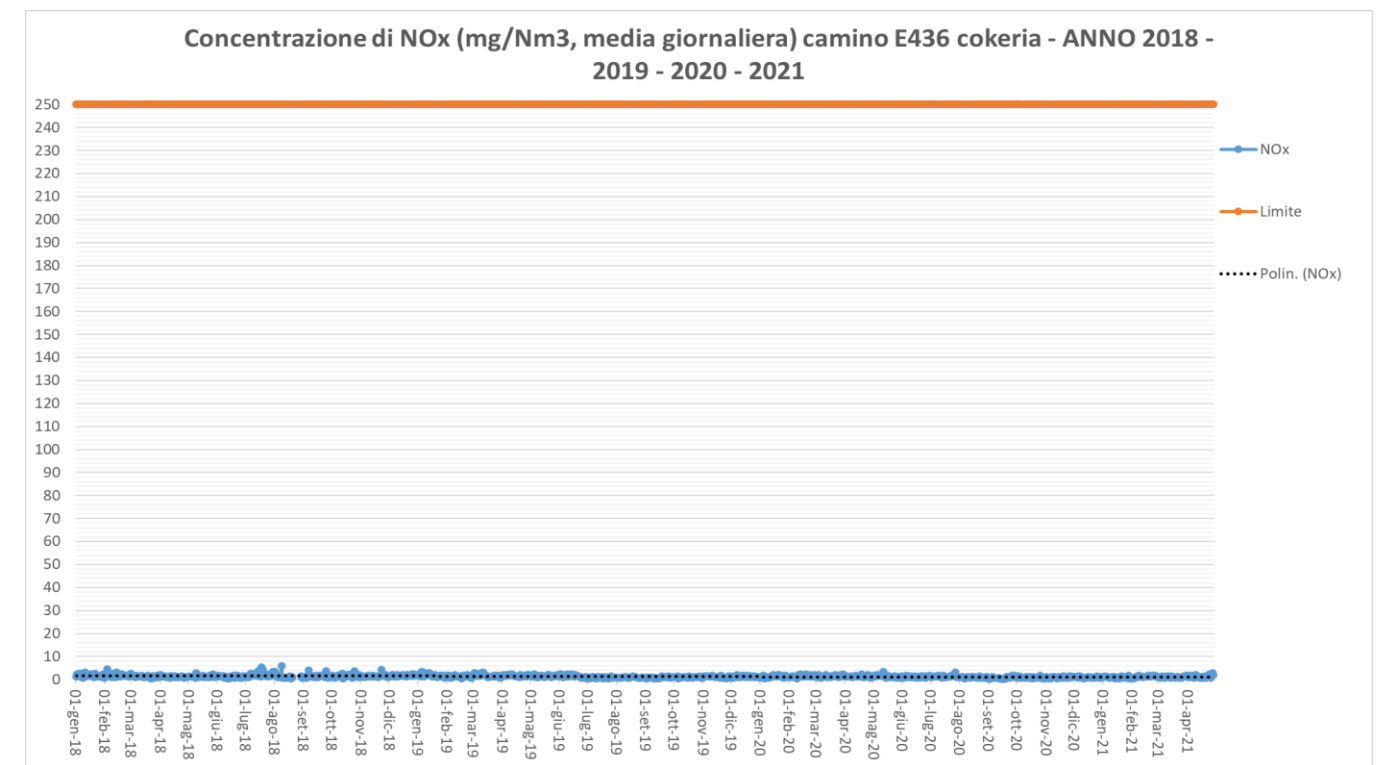
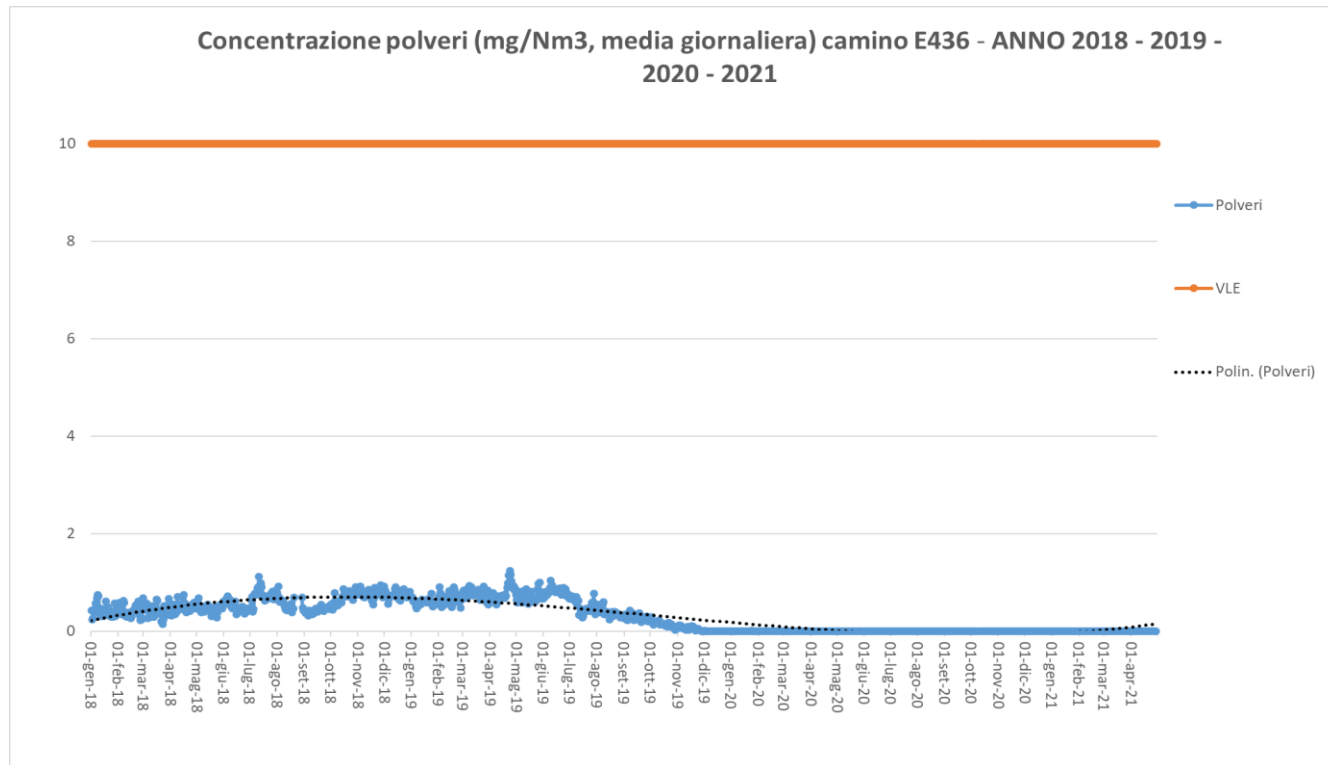


### Camino E435





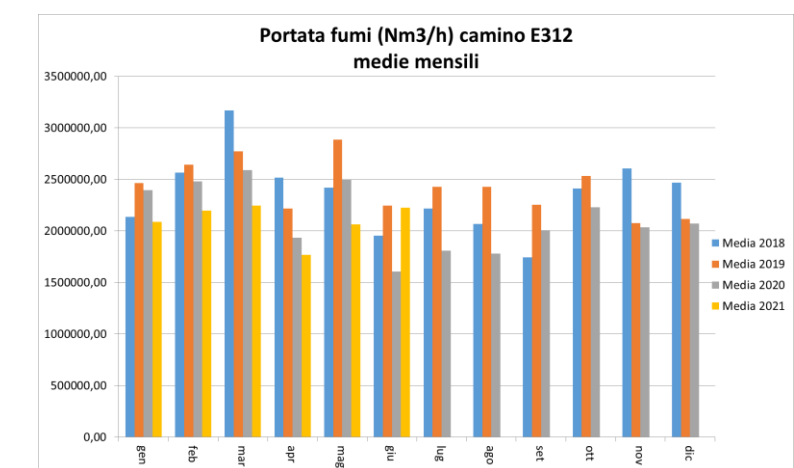
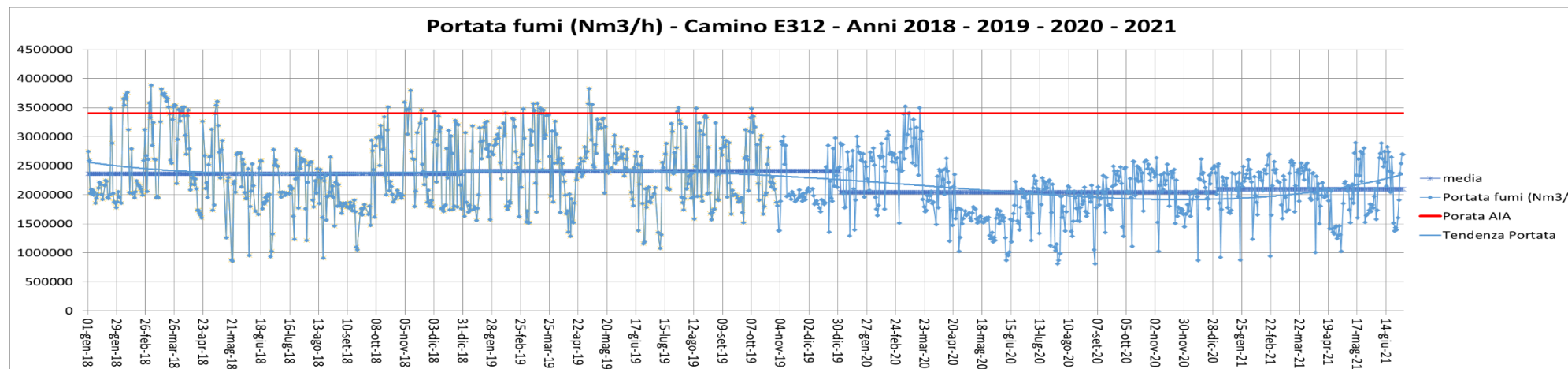
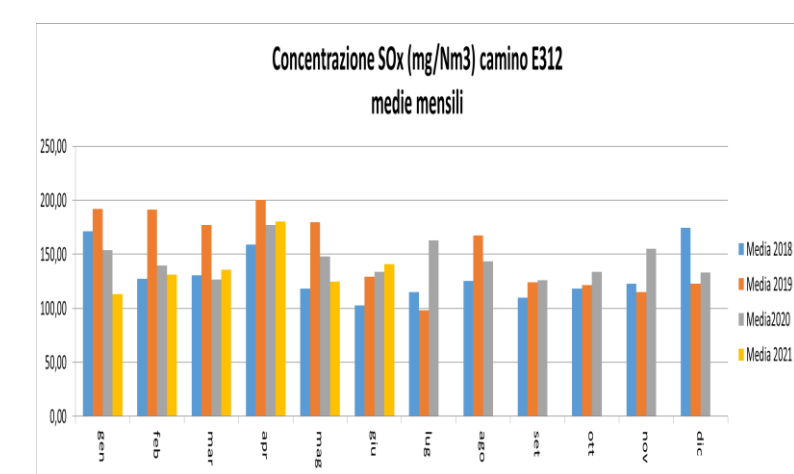
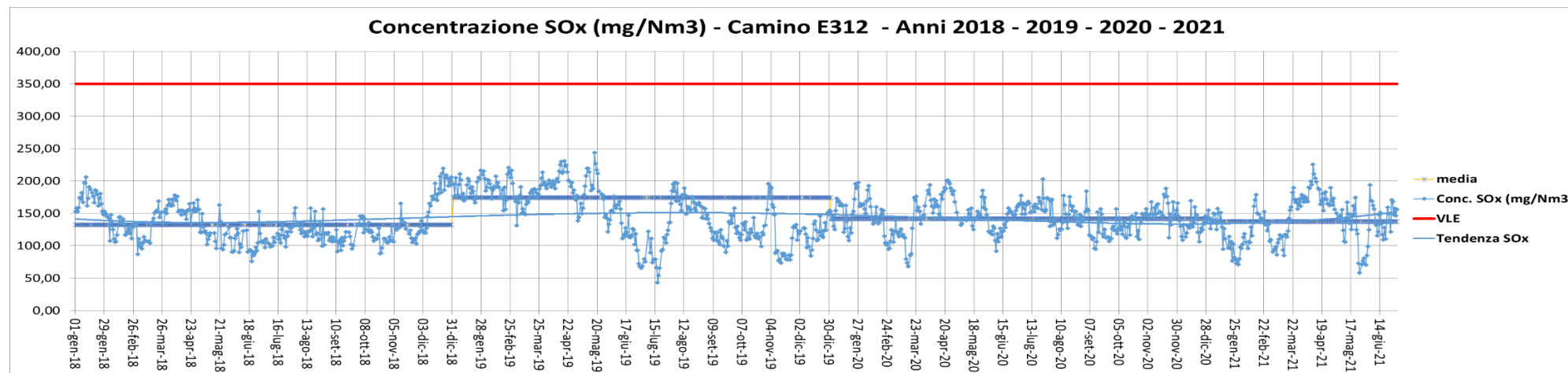
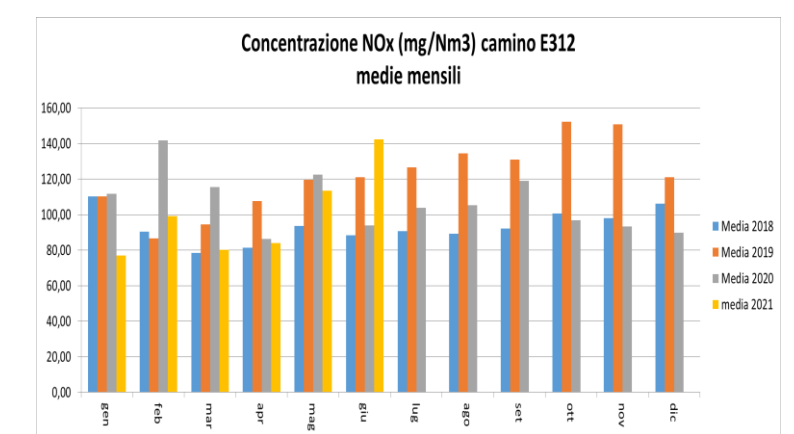
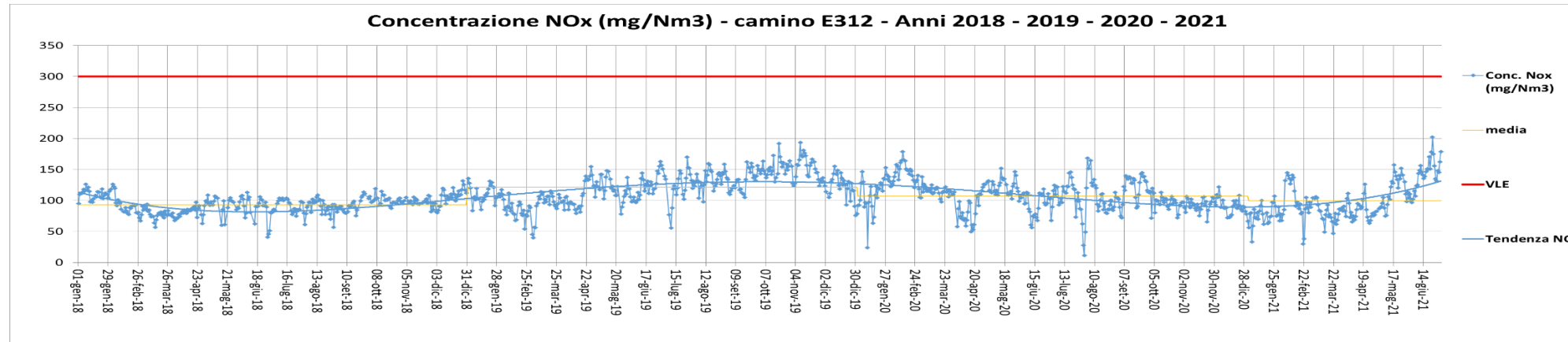
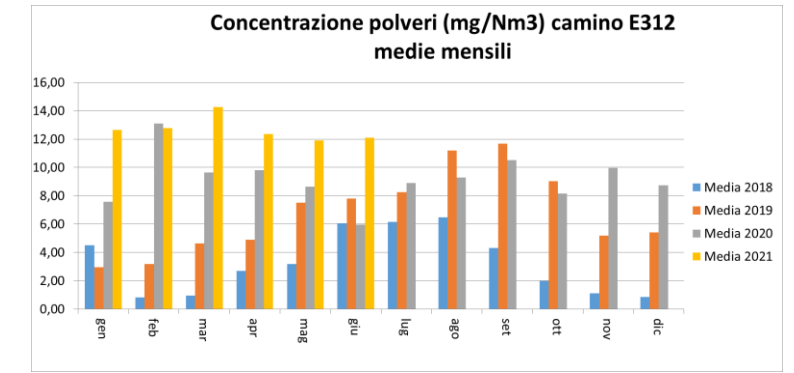
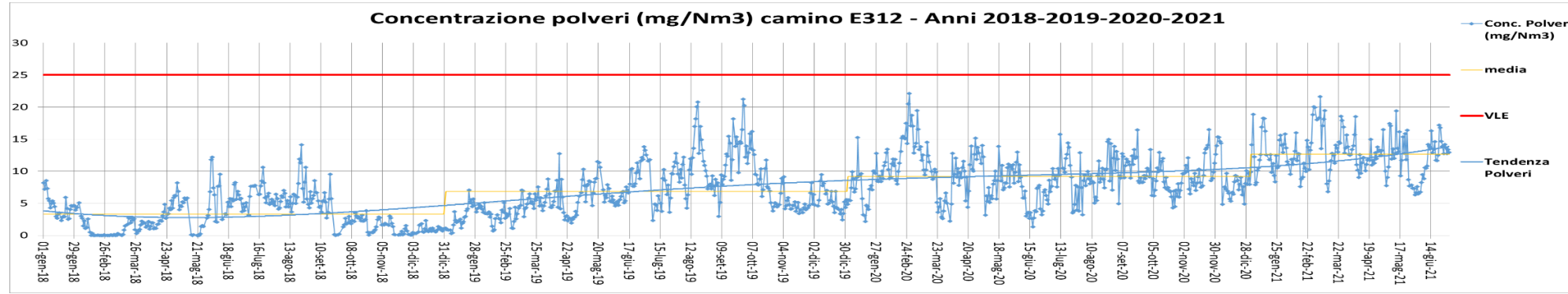
### Camino E436



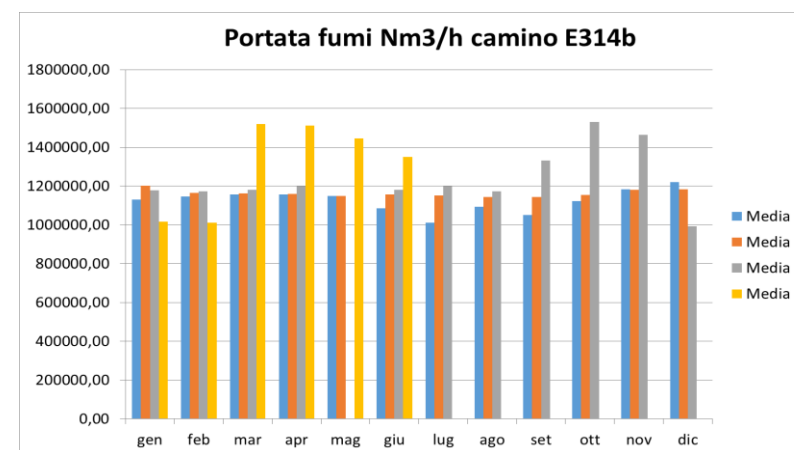
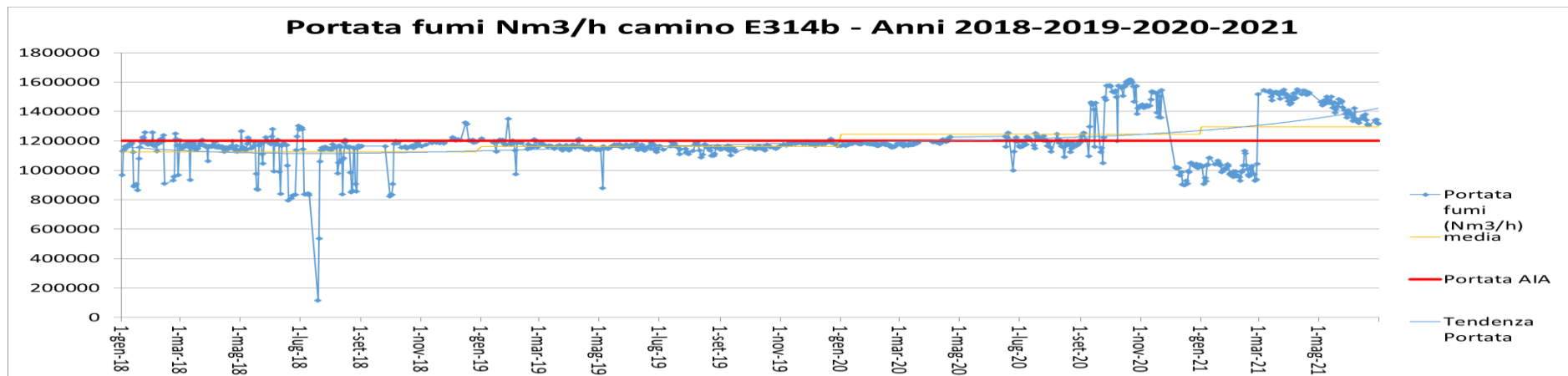
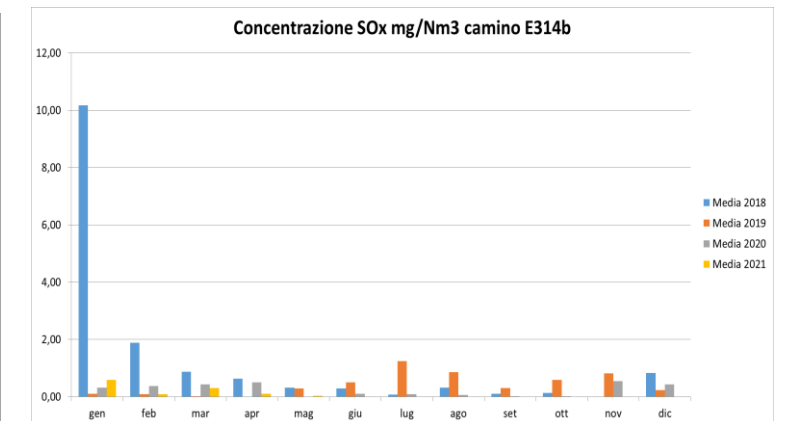
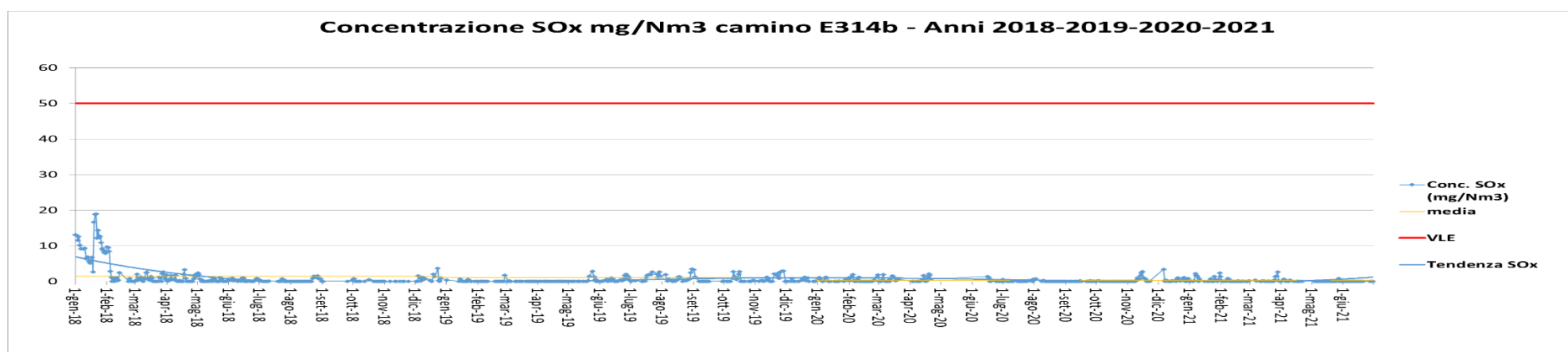
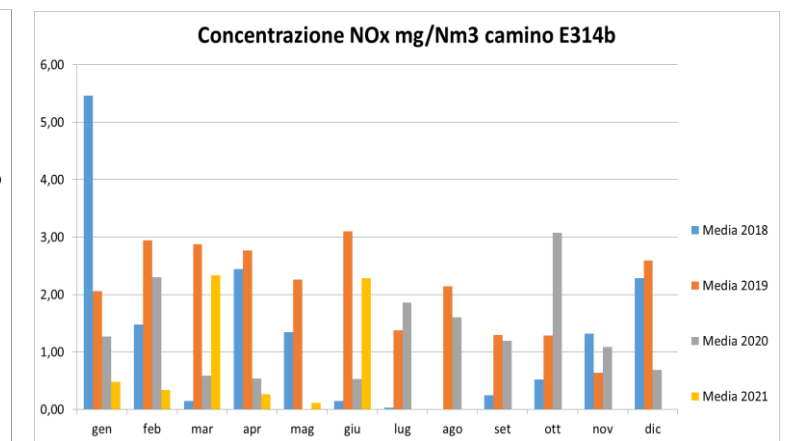
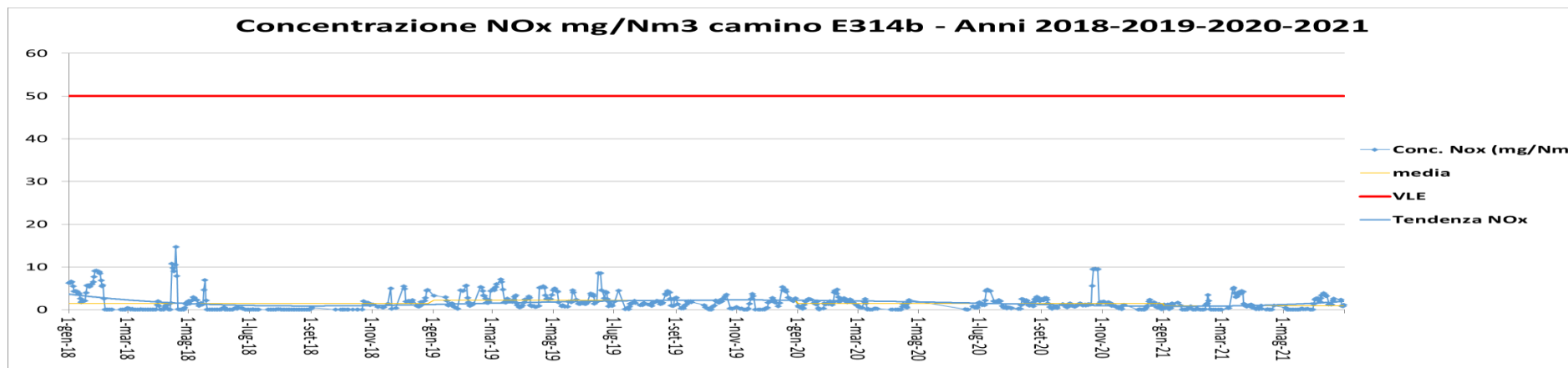
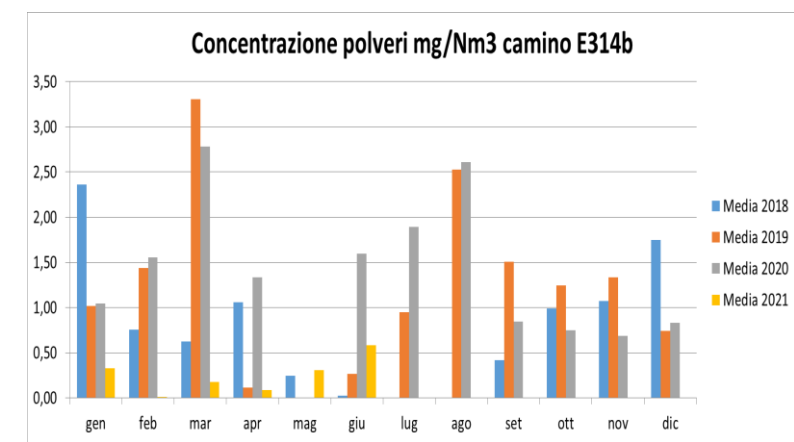
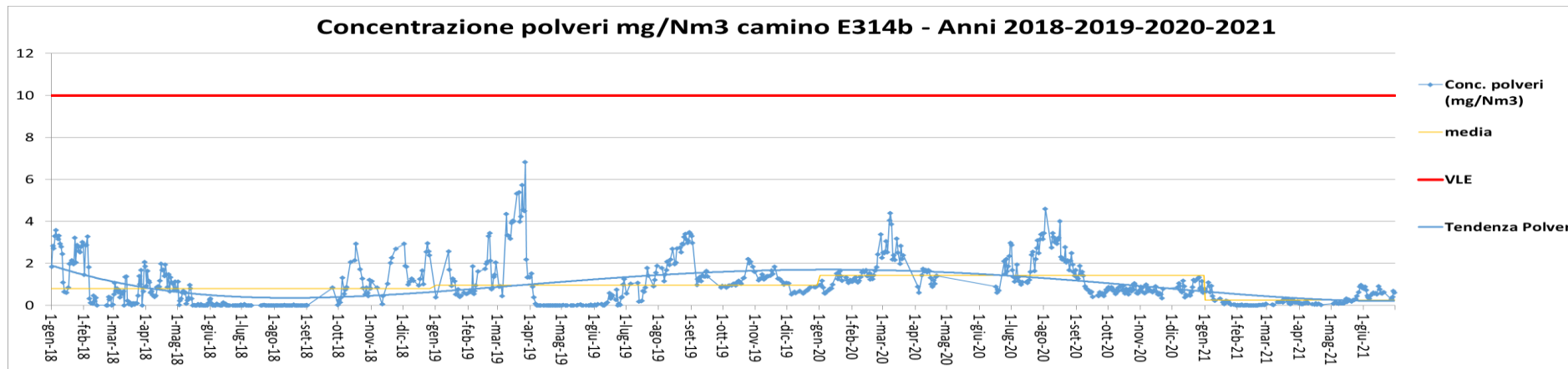


**TAVOLA 2 Camini area agglomerato  
E312 E314b E315b E324 e E325**

## Camino E312

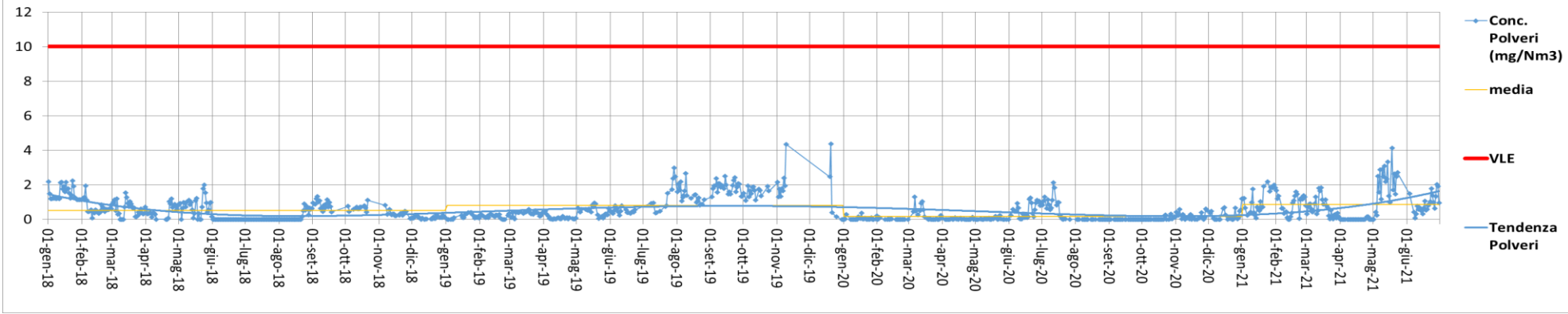


## Camino E314b

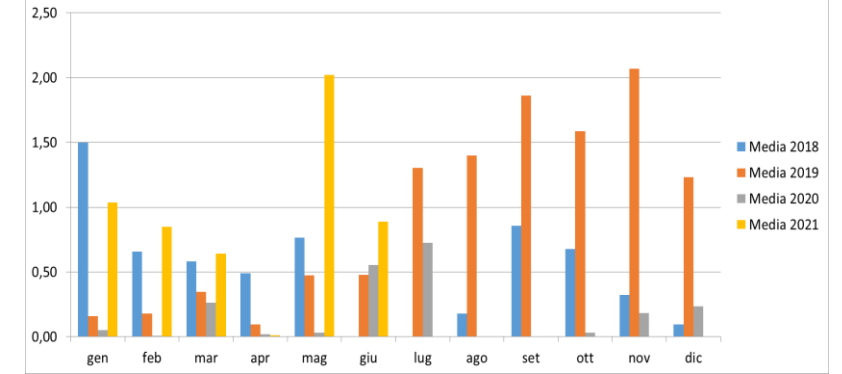


### Camino E315b

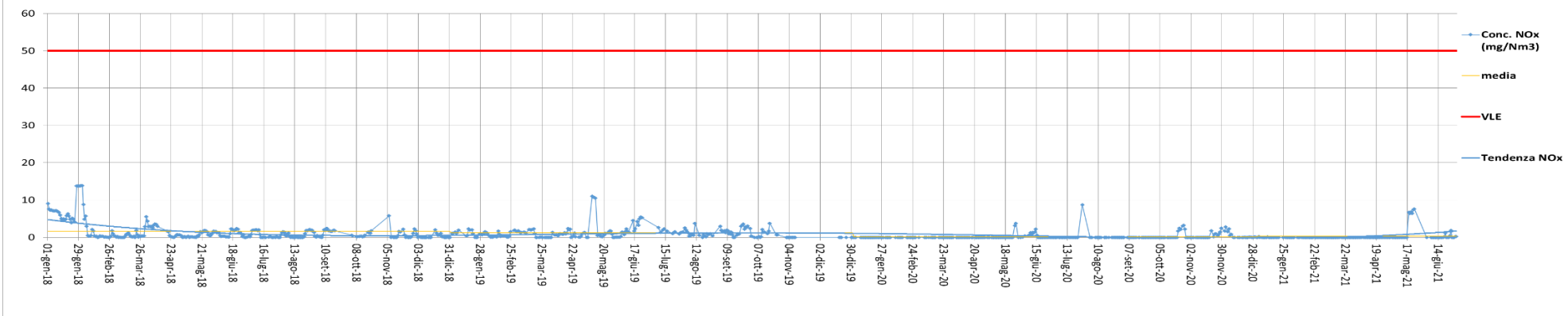
**Concentrazione polveri (mg/Nm3) camino E315b - Anni 2018-2019-2020-2021**



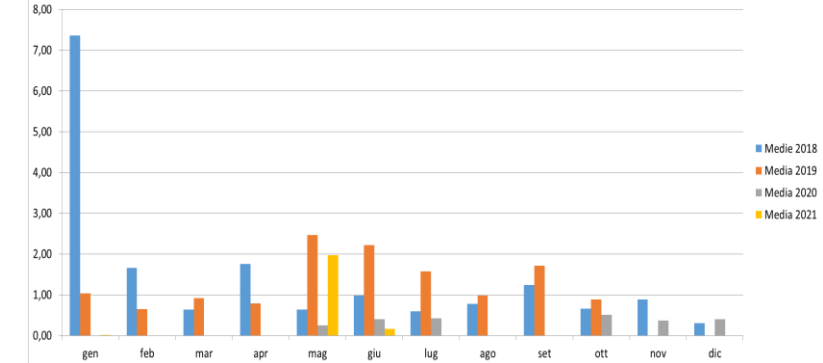
**Concentrazione polveri (mg/Nm3) camino E315b medie mensili**



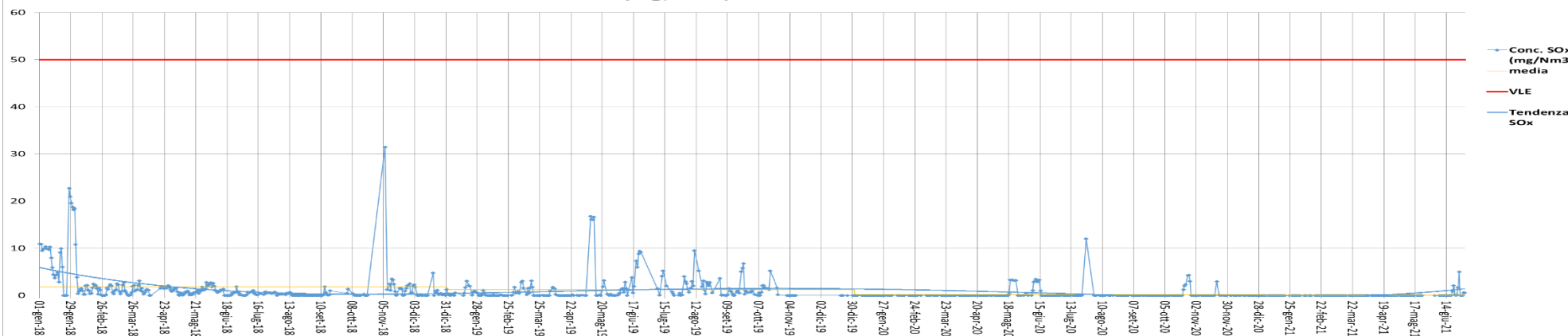
**Concentrazione NOx (mg/Nm3) camino E315b - Anni 2018-2019-2020-2021**



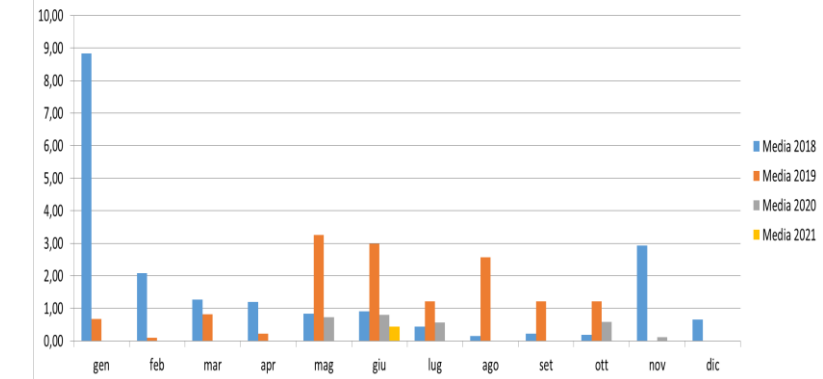
**Concentrazione NOx (mg/Nm3) camino E315b medie mensili**



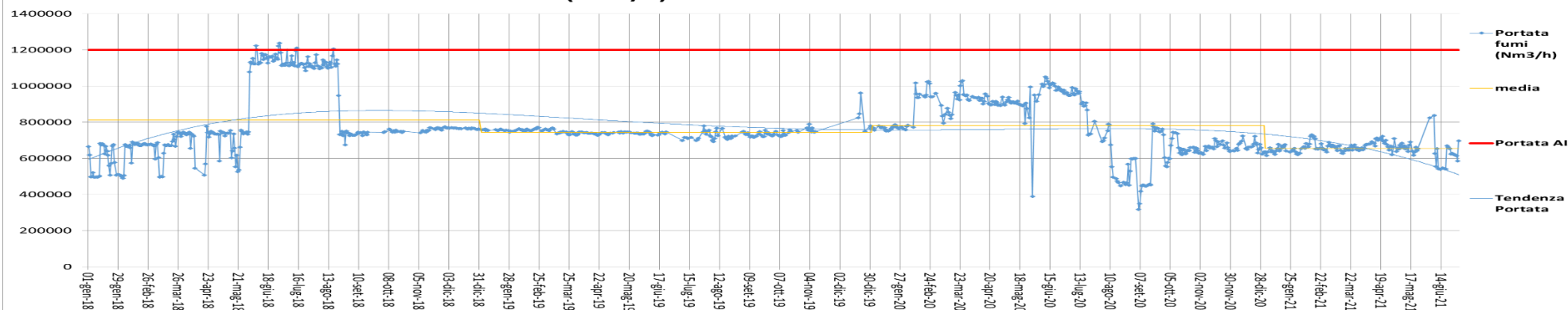
**Concentrazione SOx (mg/Nm3) camino E315b - Anni 2018-2019-2020-2021**



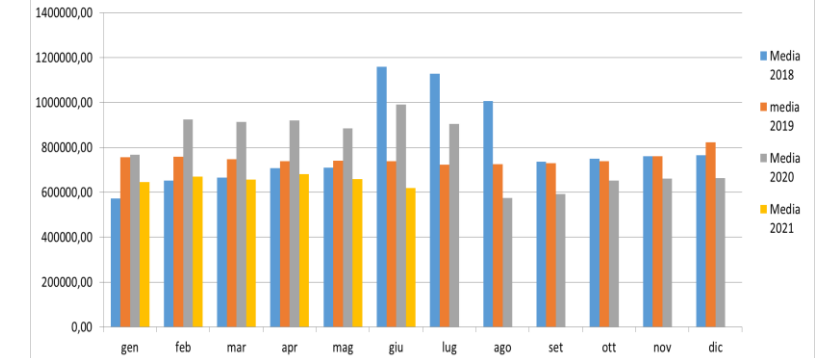
**Concentrazione SOx (mg/Nm3) camino E315b medie mensili**



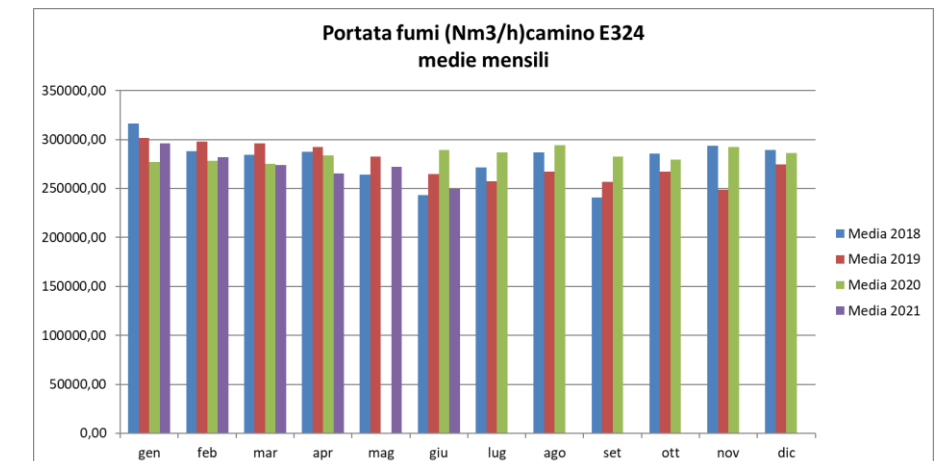
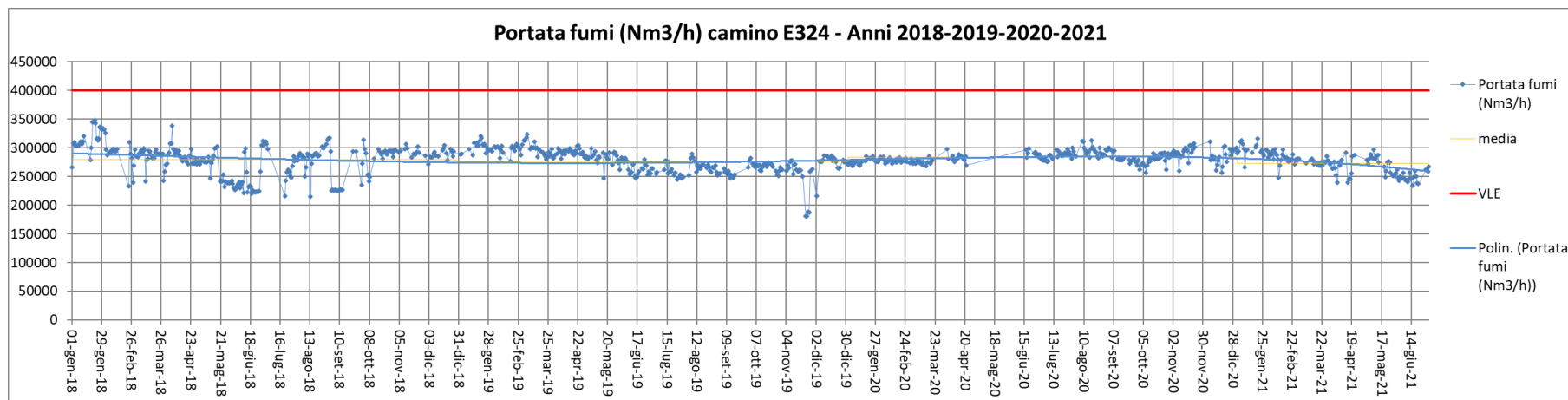
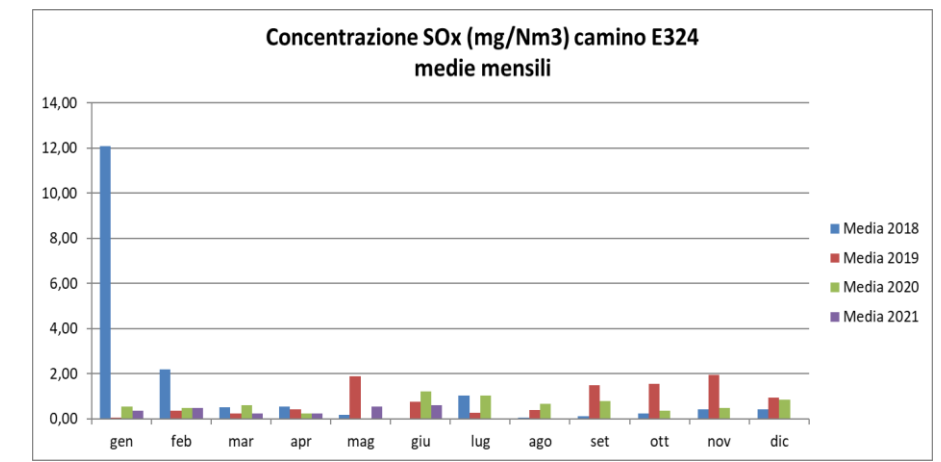
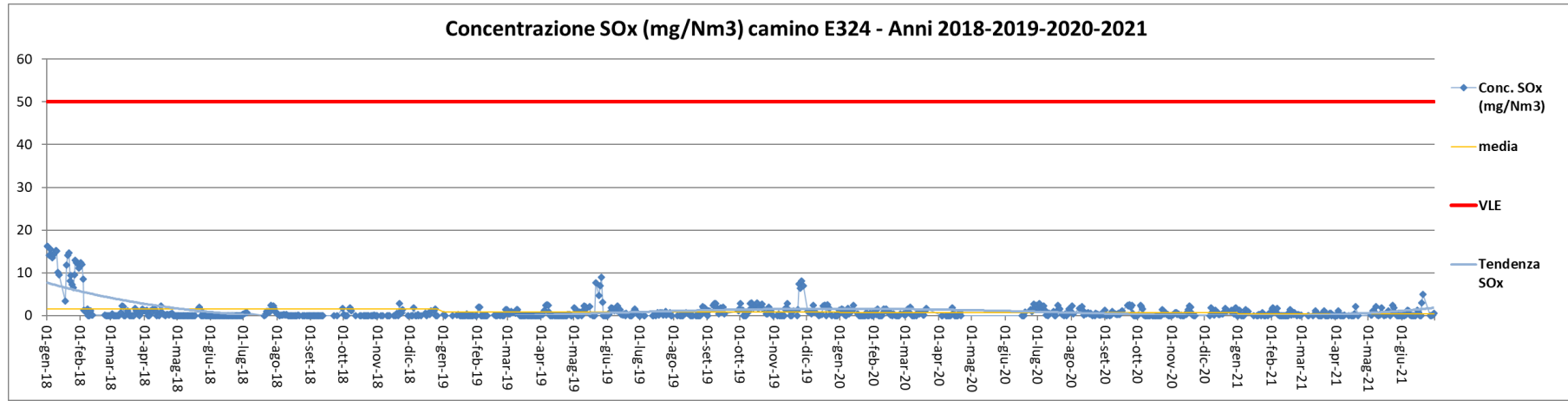
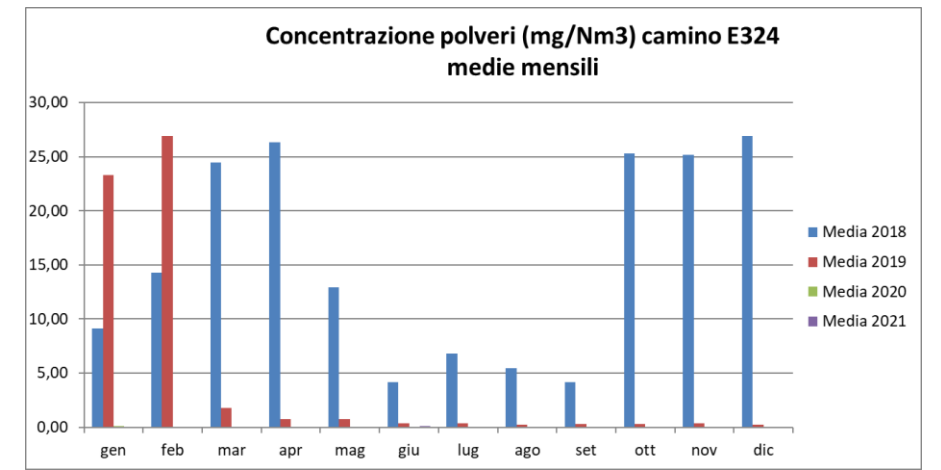
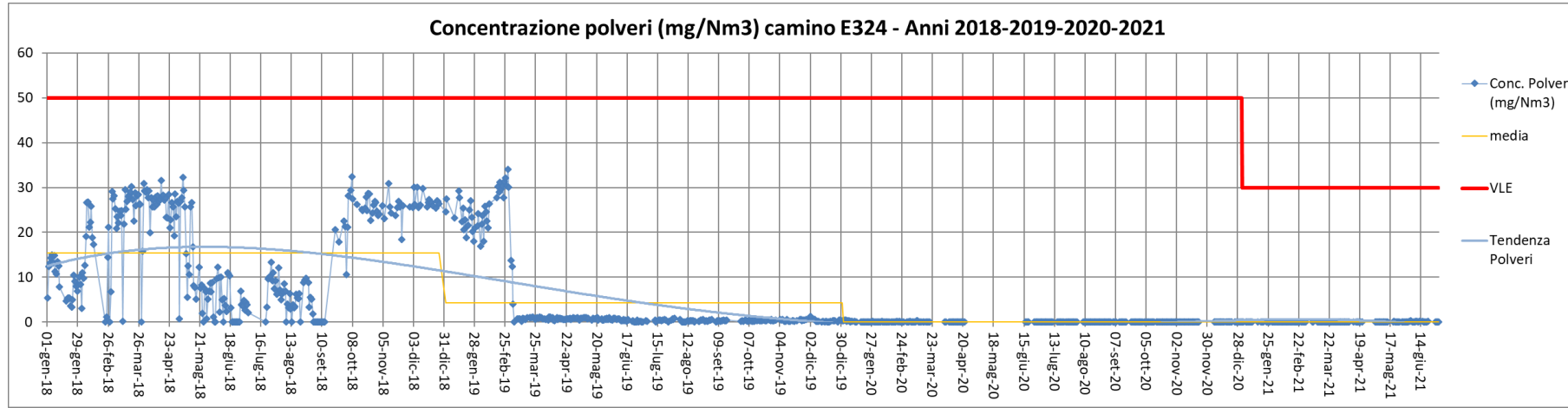
**Portata fumi (Nm3/h) camino E315b - Anni 2018-2019-2020-2021**



**Portata fumi (Nm3/h) camino E315b medie mensili**



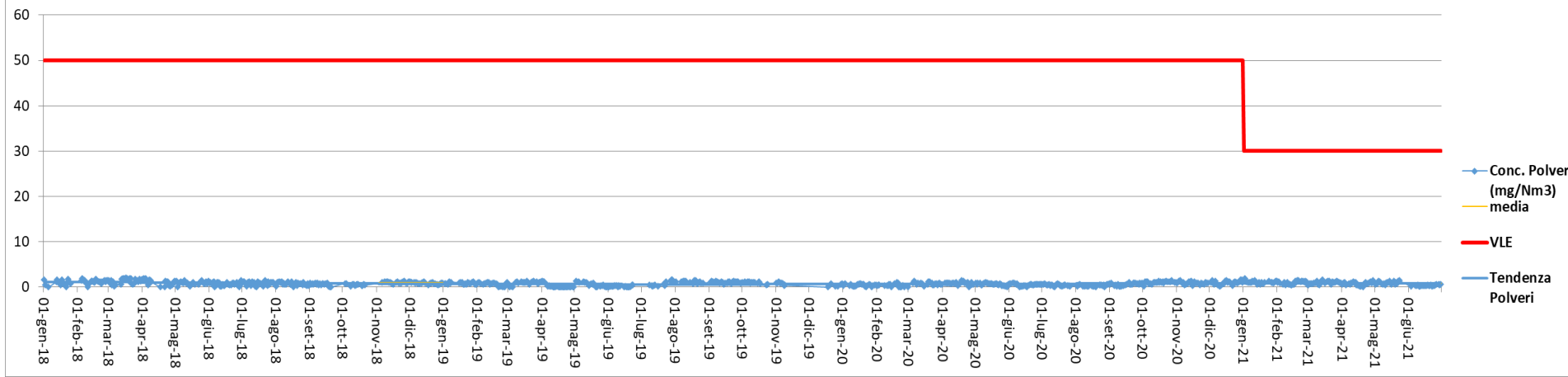
### Camino E324



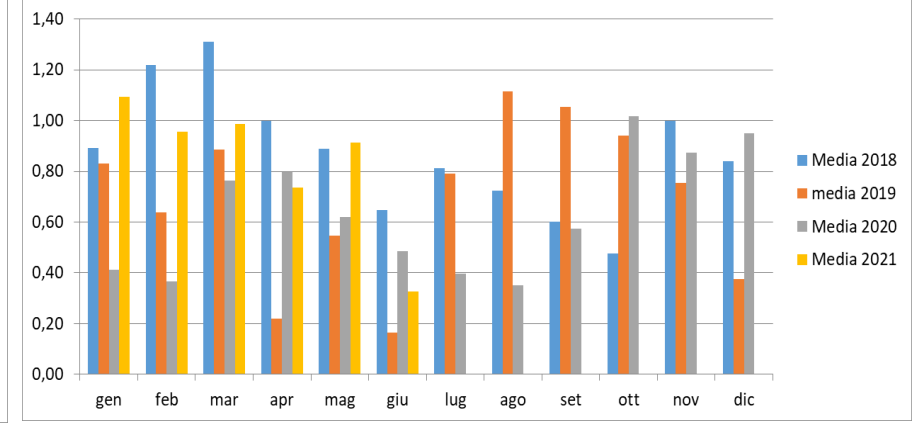


### Camino E325

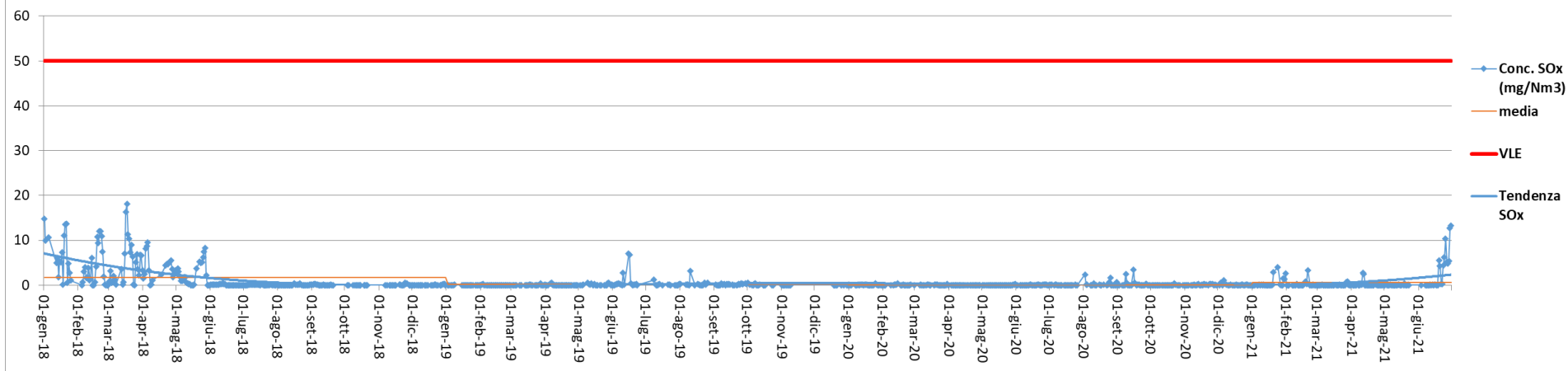
Concentrazione polveri (mg/Nm3) camino E325 - Anni 2018-2019-2020-2021



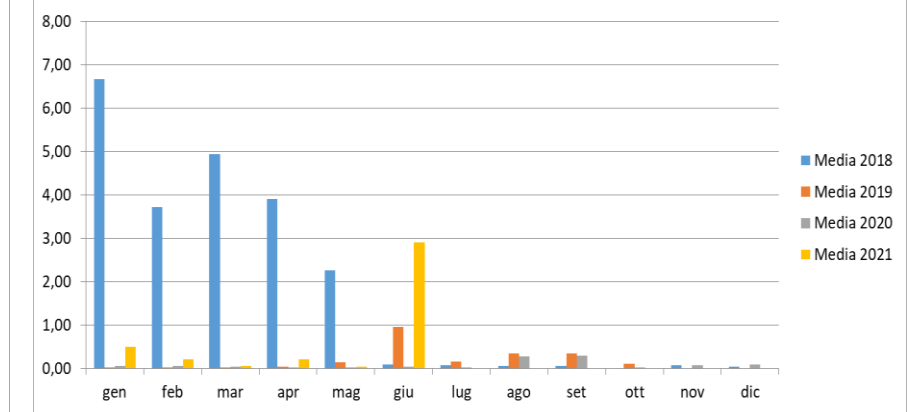
Concentrazione polveri (mg/Nm3) camino E325 medie mensili



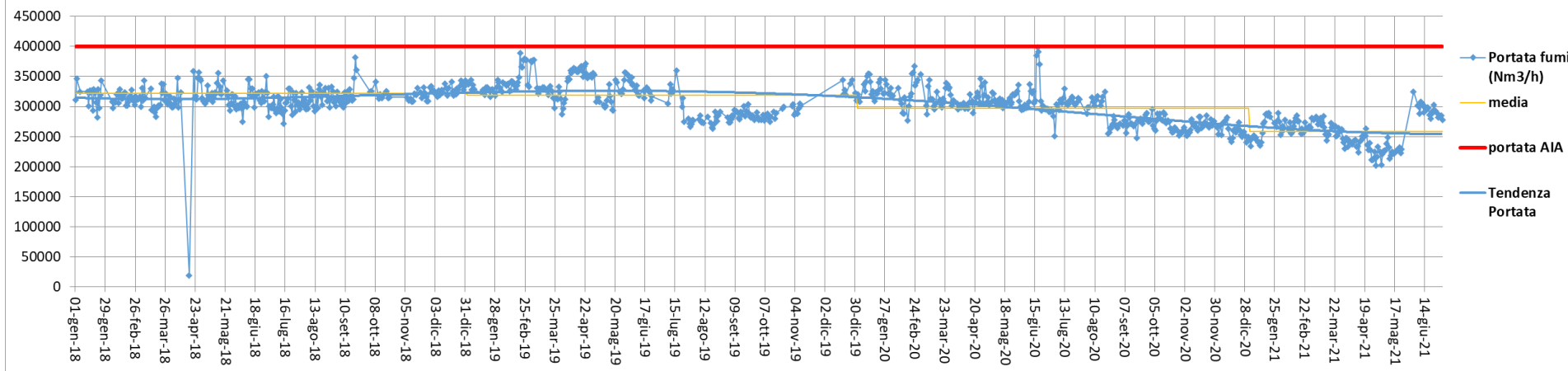
Concentrazione SOx (mg/Nm3) camino E325 - Anni 2018-2019-2020-2021



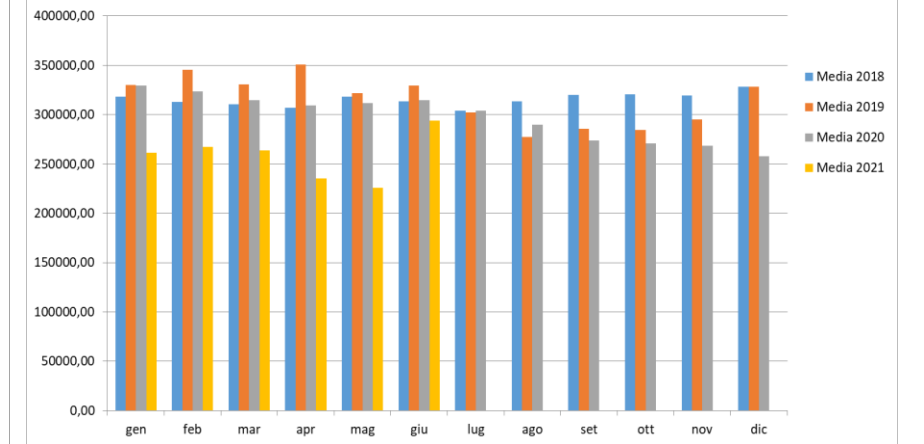
Concentrazione SOx (mg/Nm3) camino E325 medie mensili



Portata fumi (Nm3/h) camino E325 - Anni 2018-2019-2020-2021



Portata fumi (Nm3/h) camino E325 medie mensili

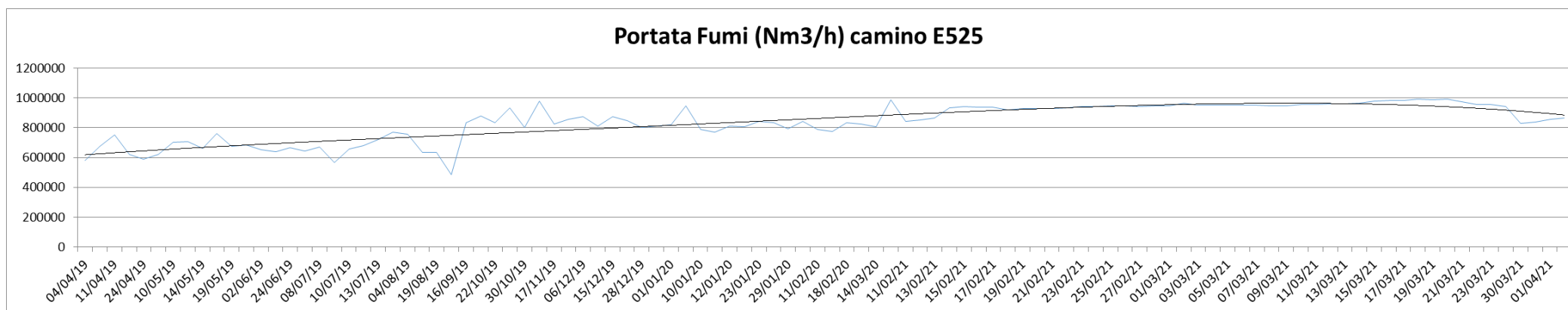
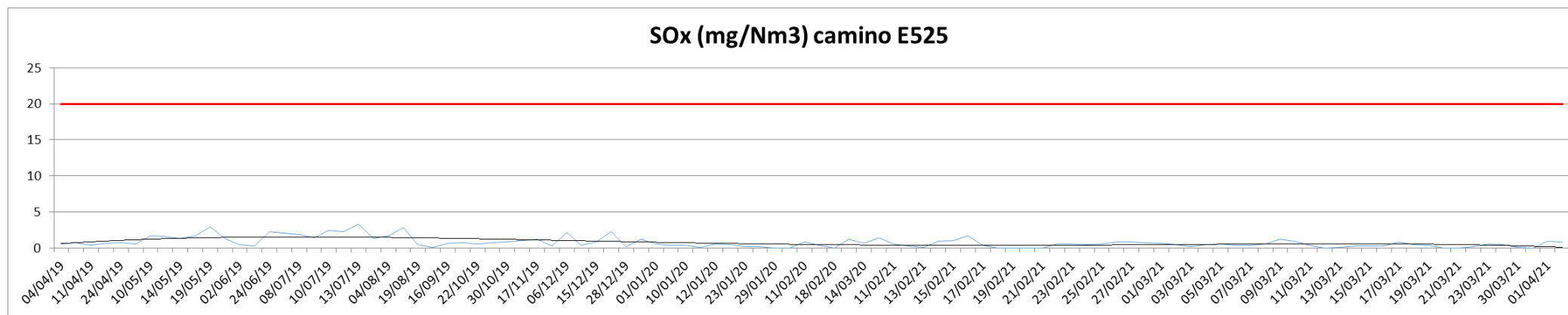
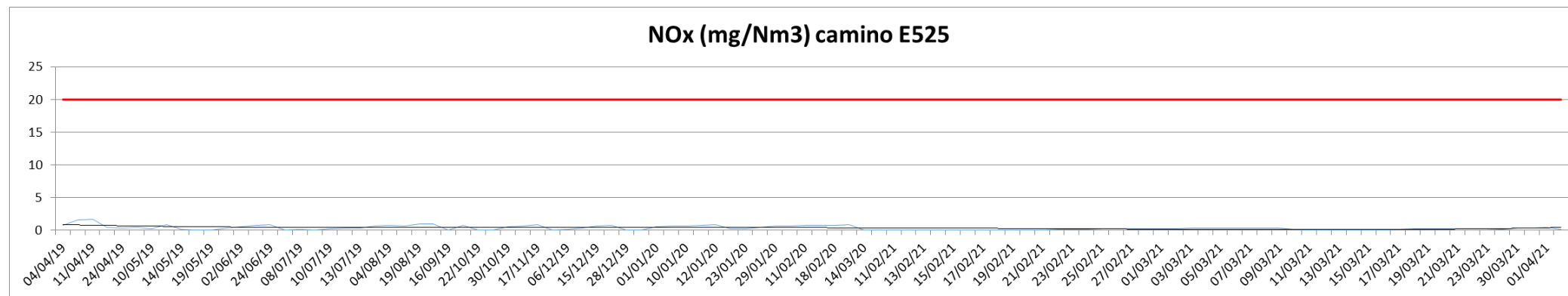
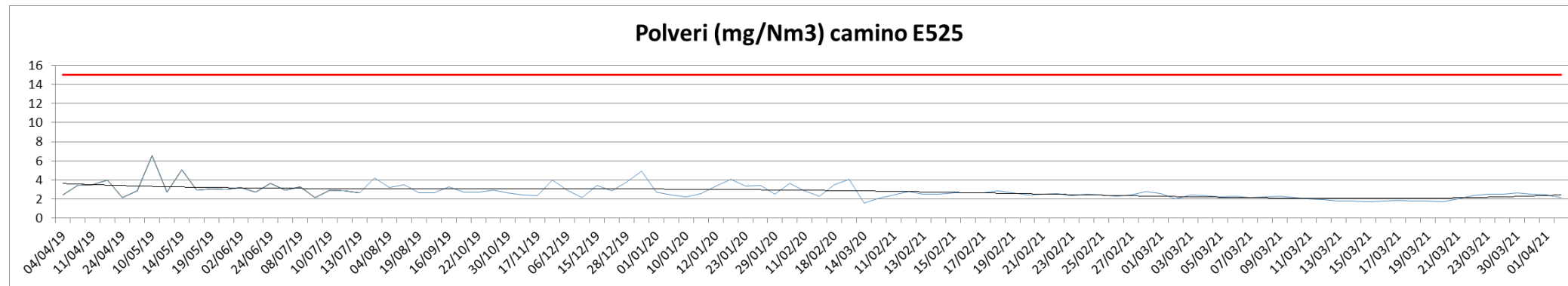


**TAVOLA 3 - Camini Acciaieria**

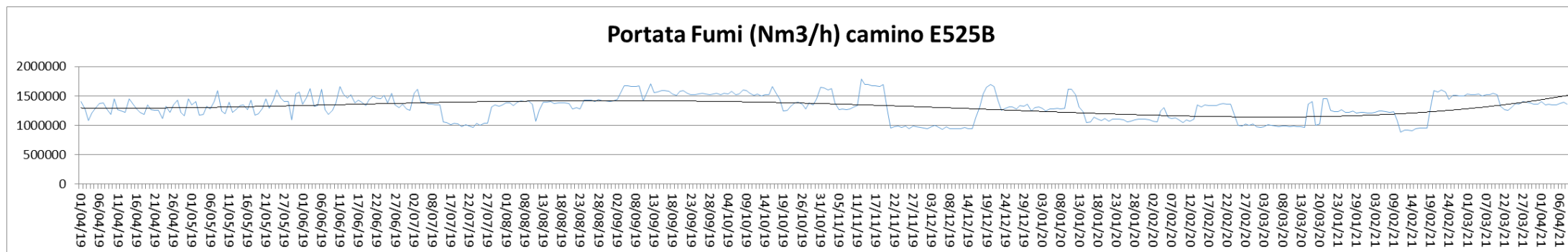
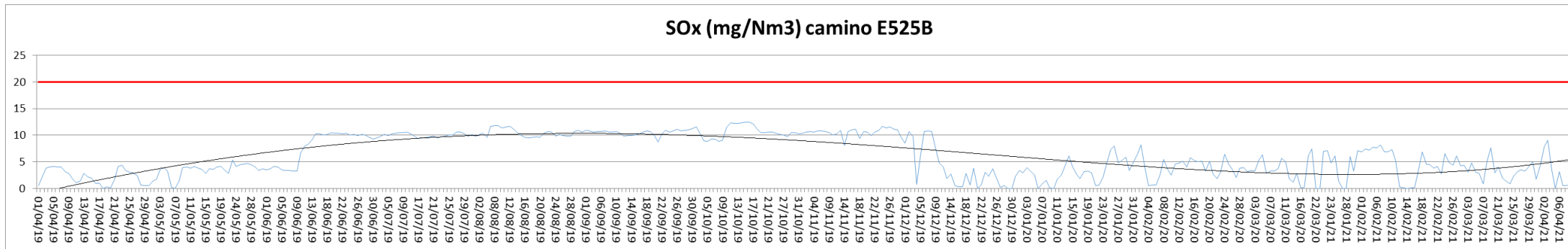
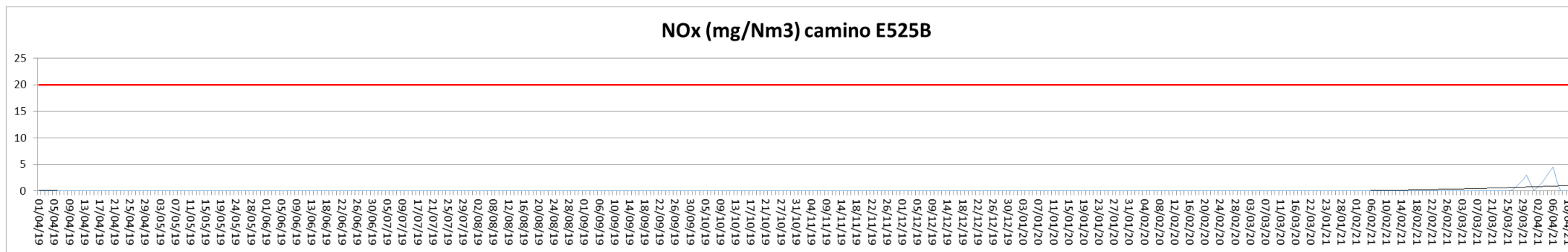
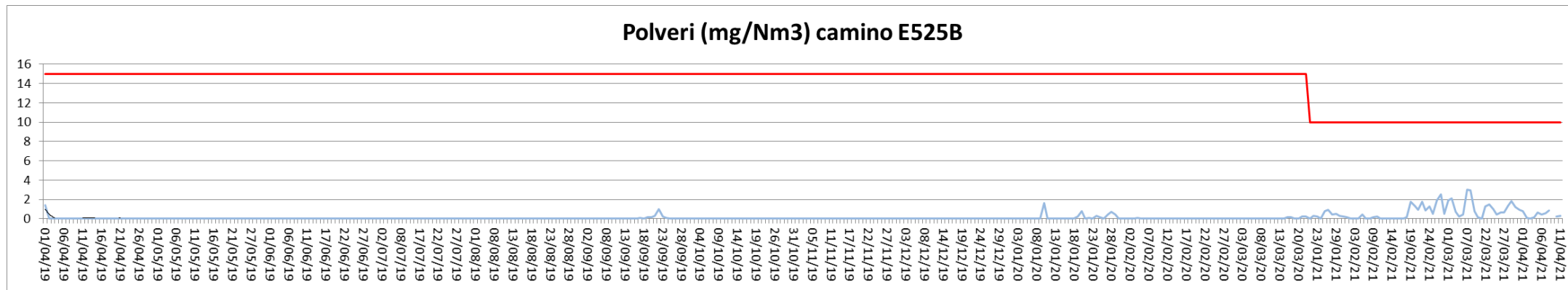
**E525, E525B, E551B, E551C**



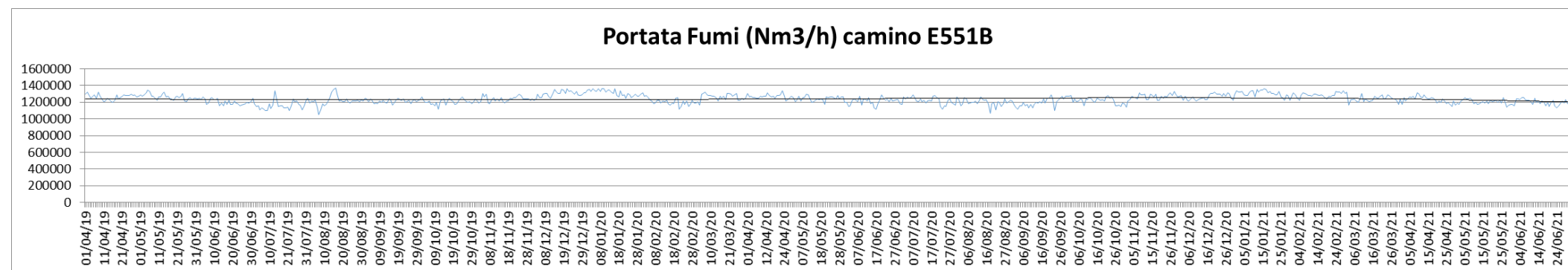
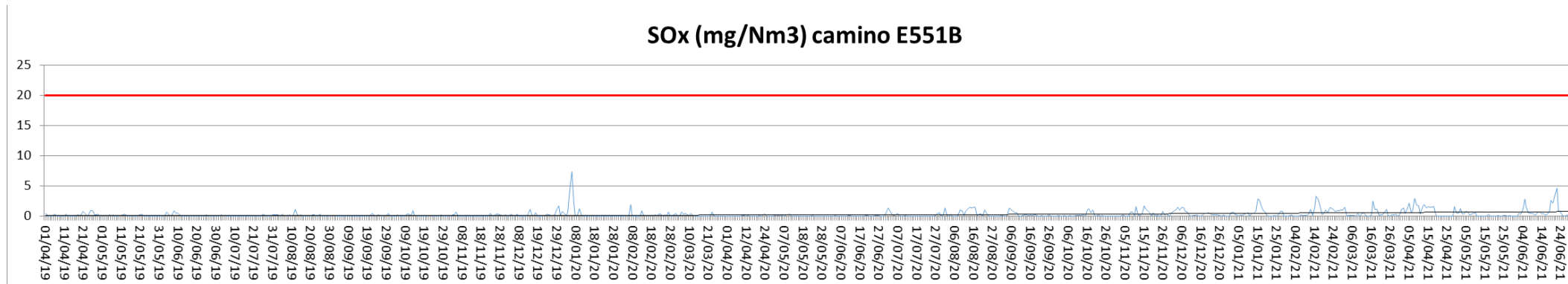
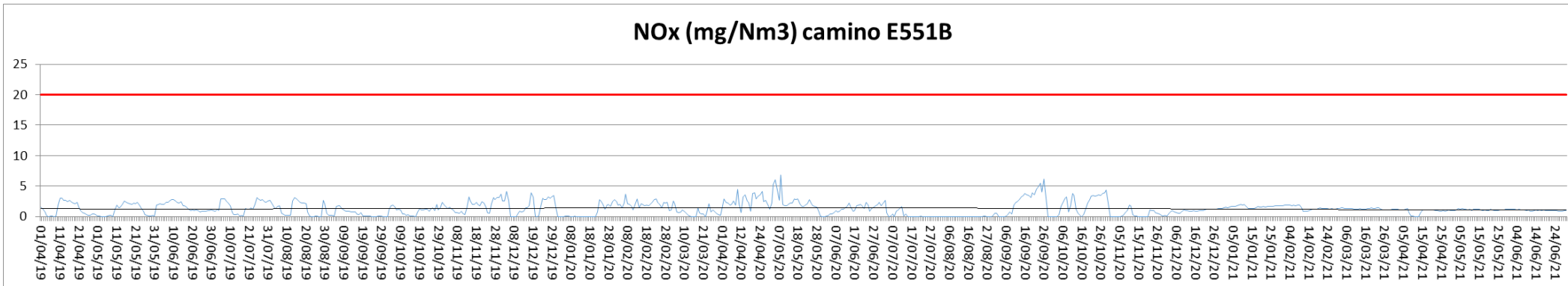
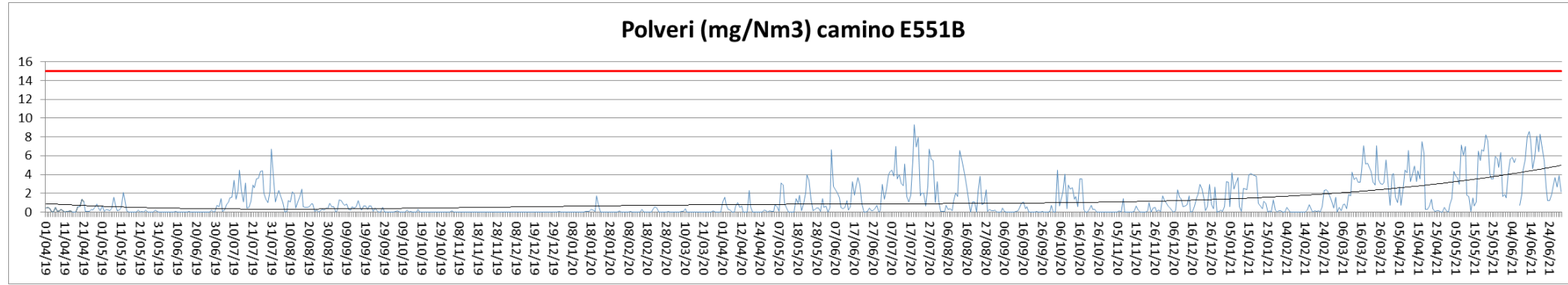
### Camino E525



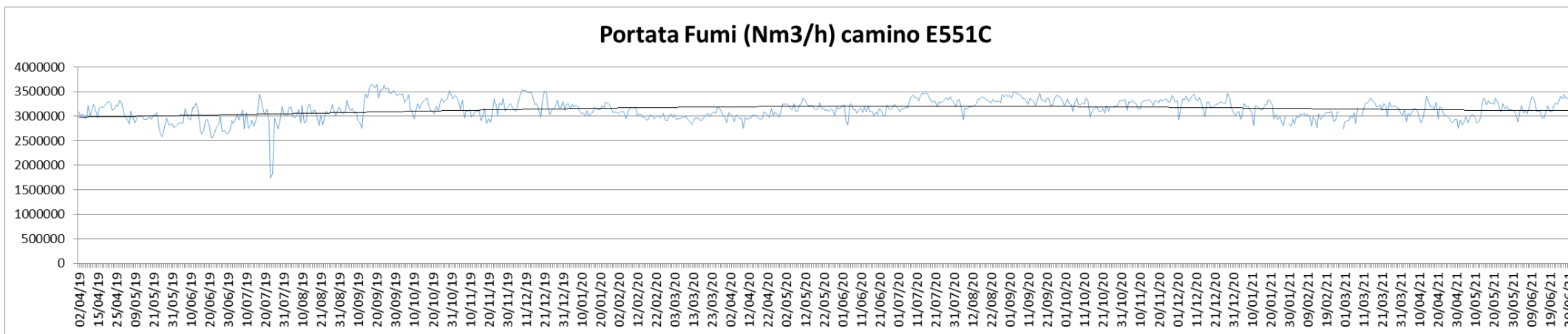
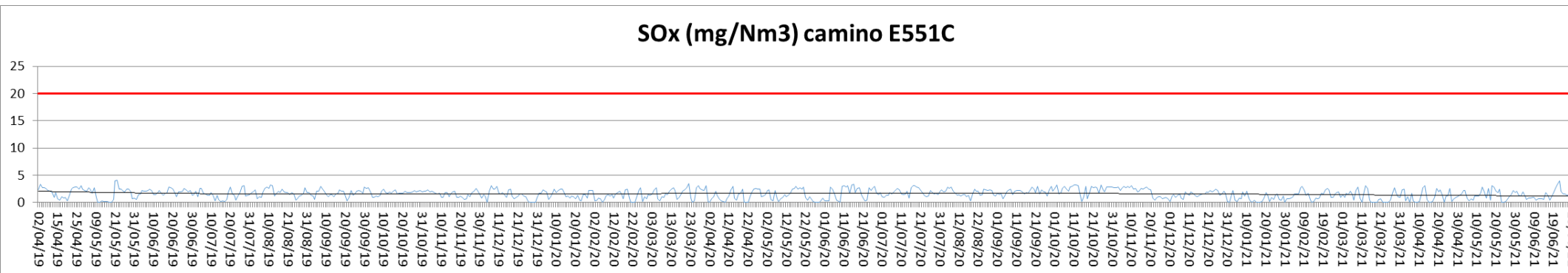
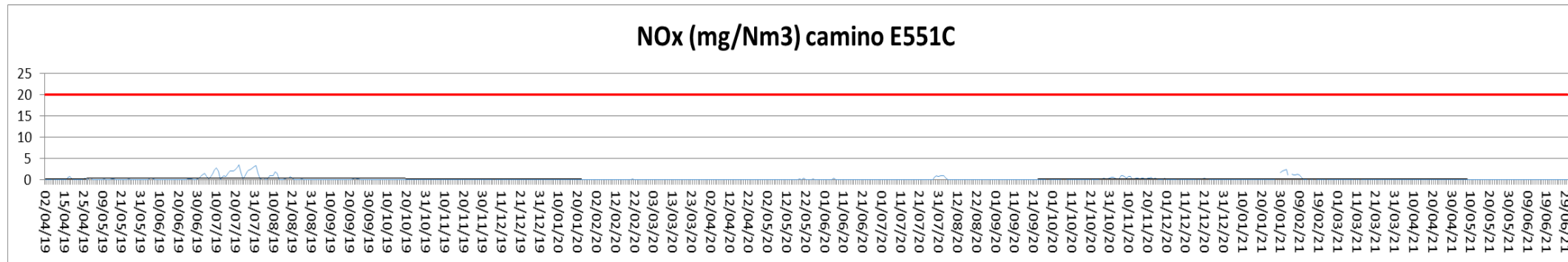
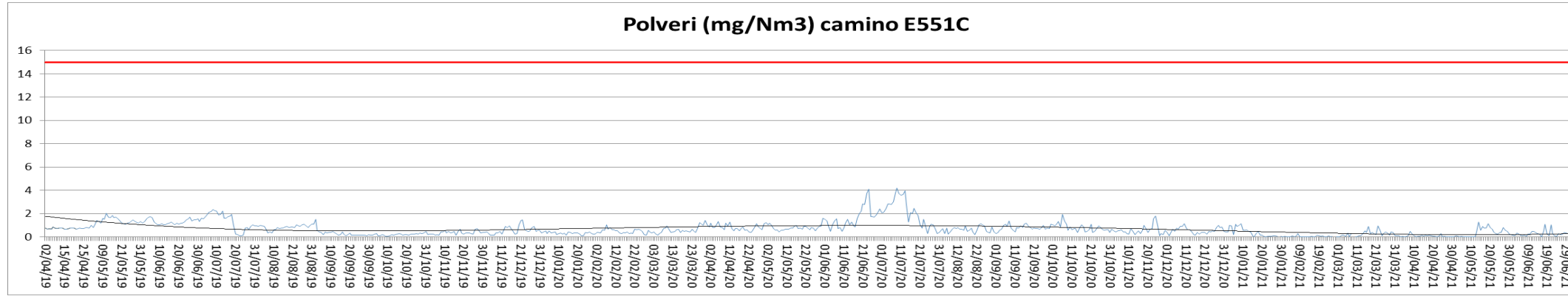
### Camino E525B



### Camino E551B



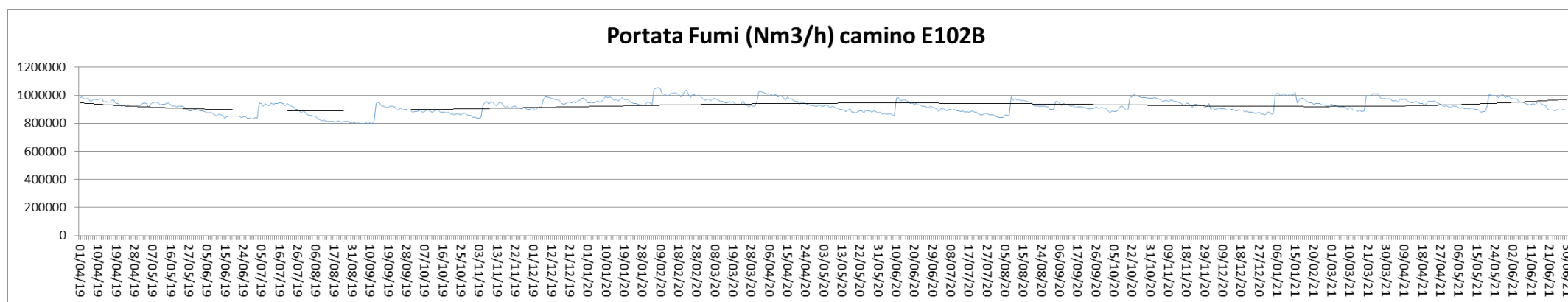
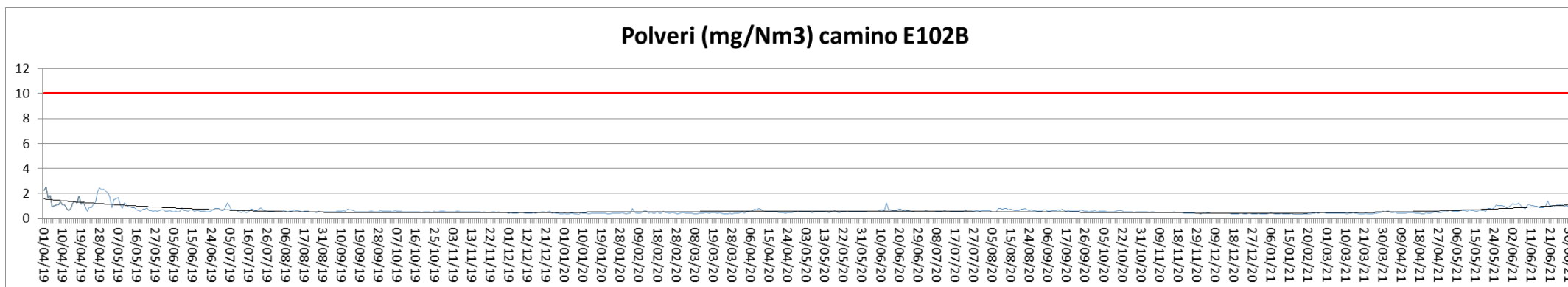
### Camino E551C



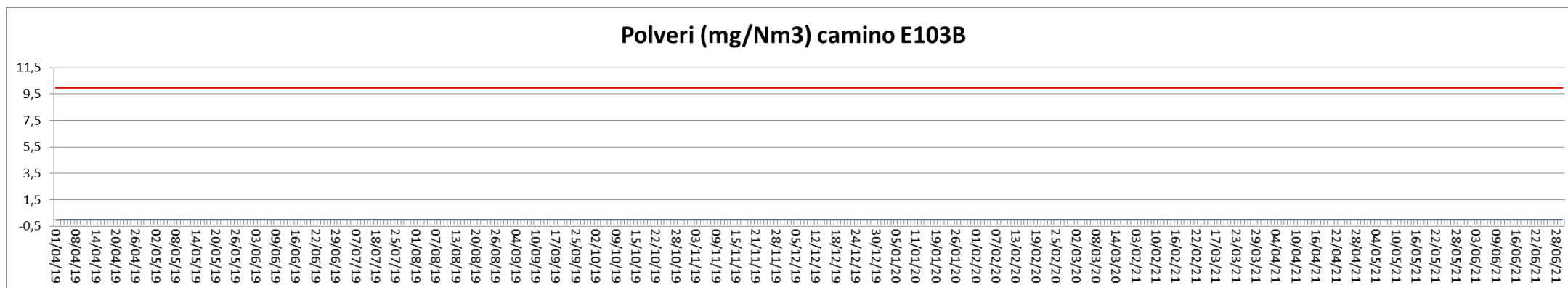
**TAVOLA 4 - Camini Altoforno**

**E102B, E103B, E109, E111, E112, E114, E134, E135, E137**

### Camino E102B

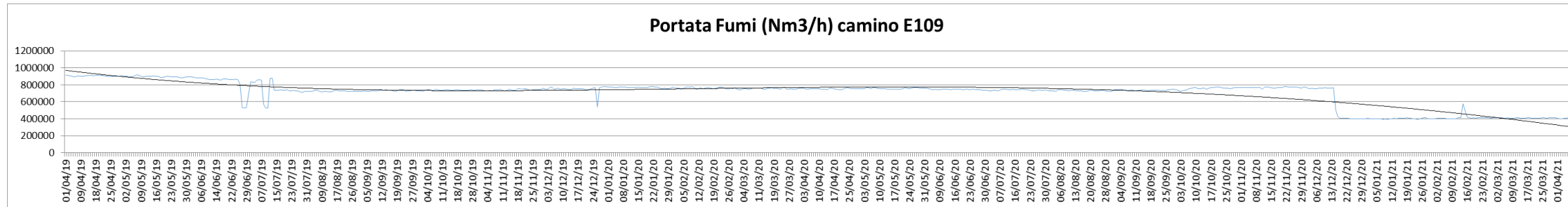
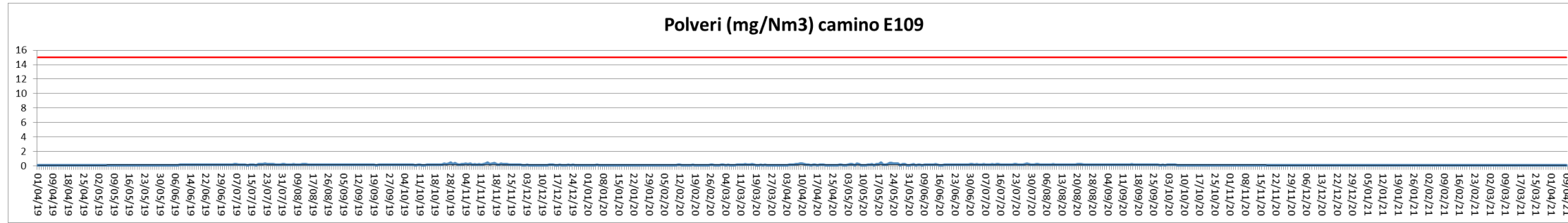


### Camino E103B

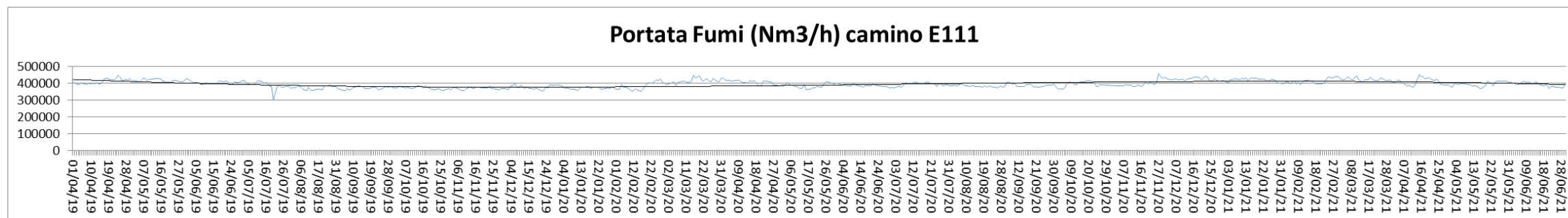
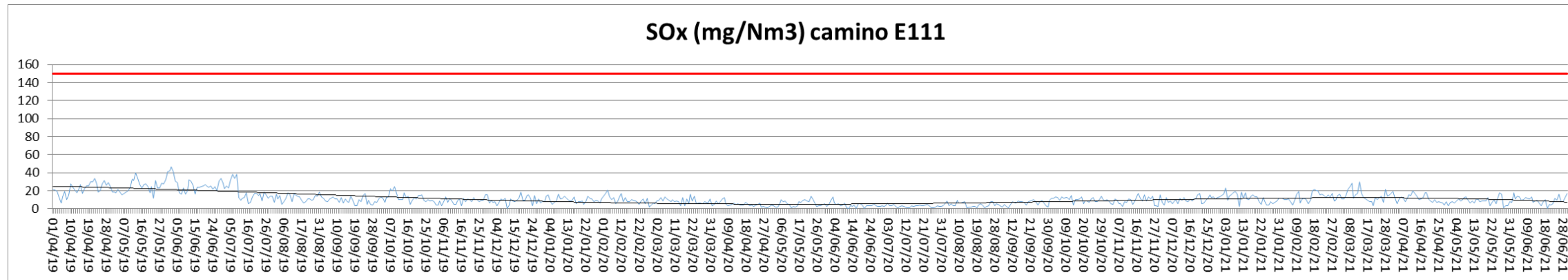
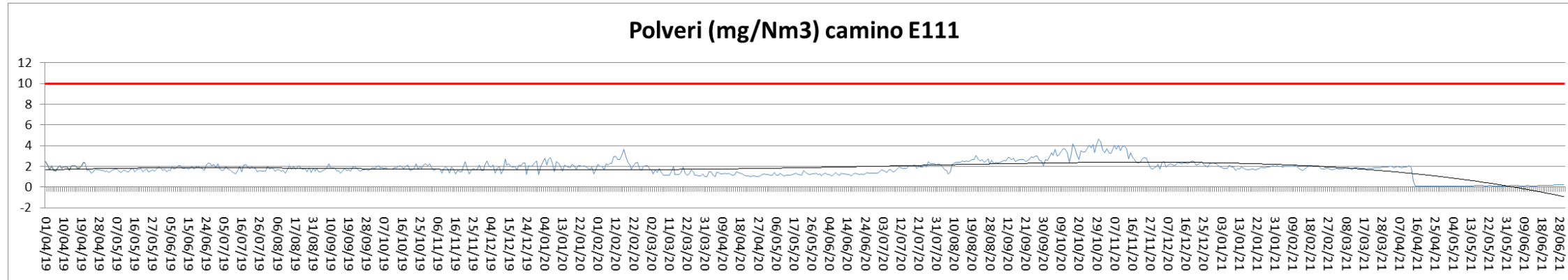




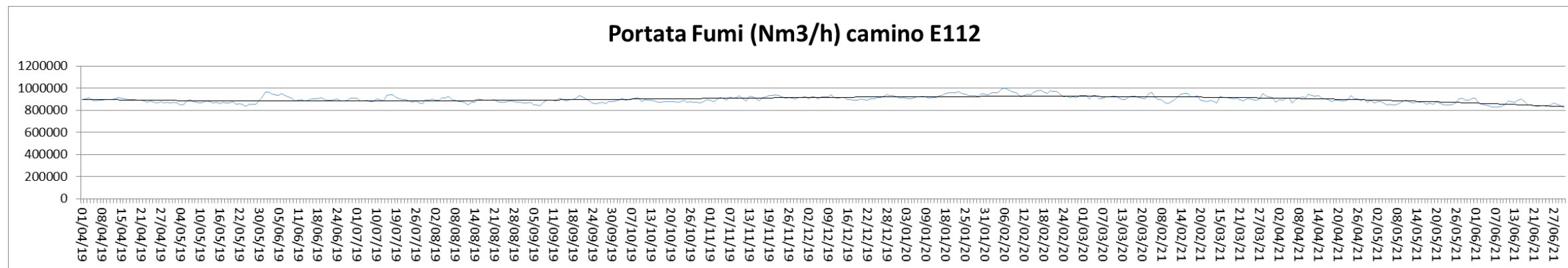
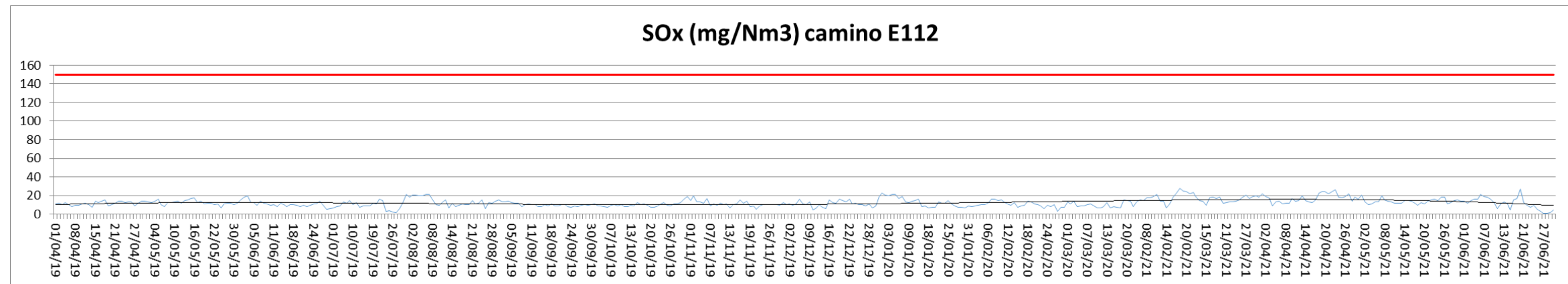
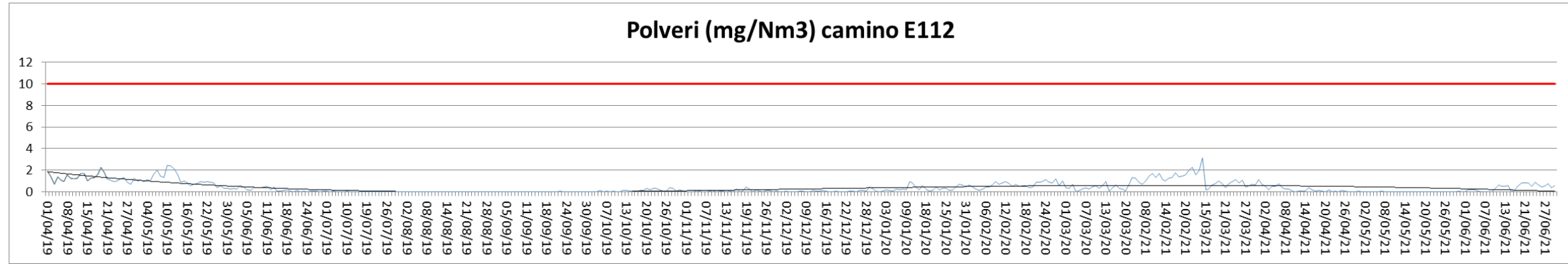
# Camino E109



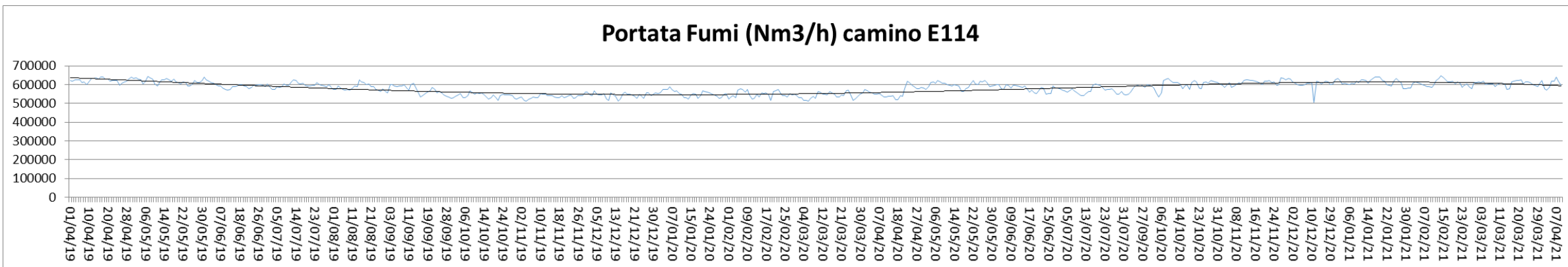
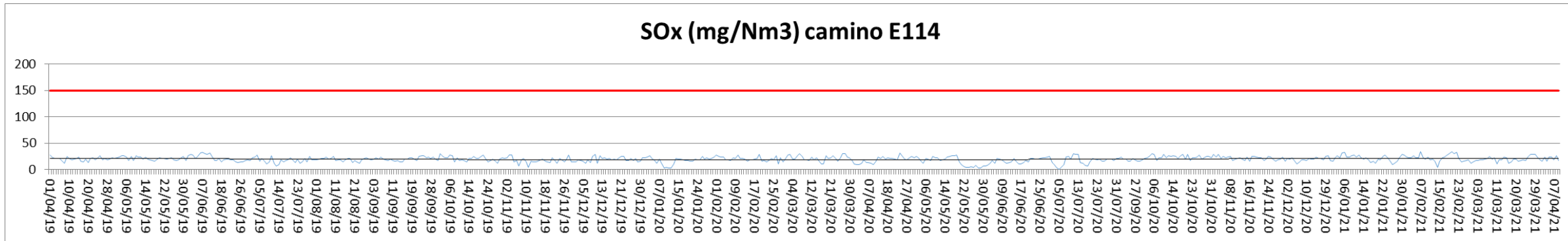
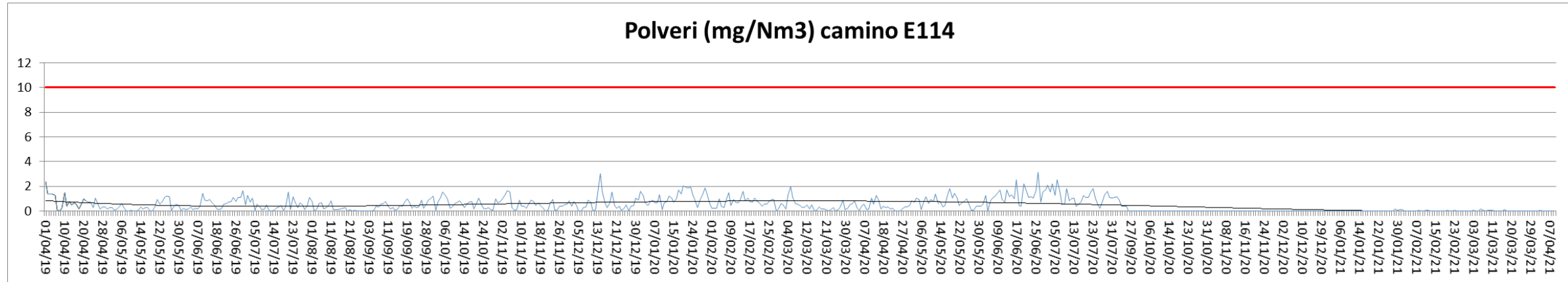
### Camino E111



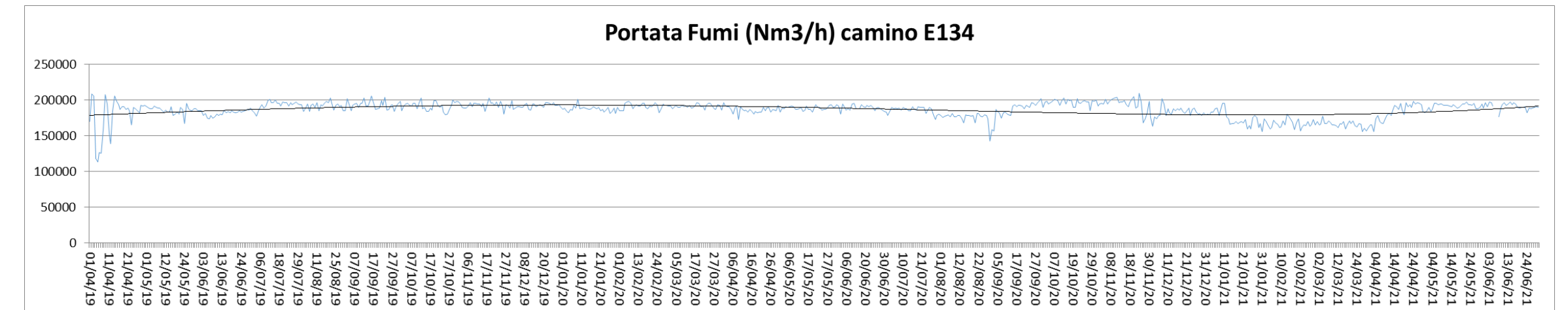
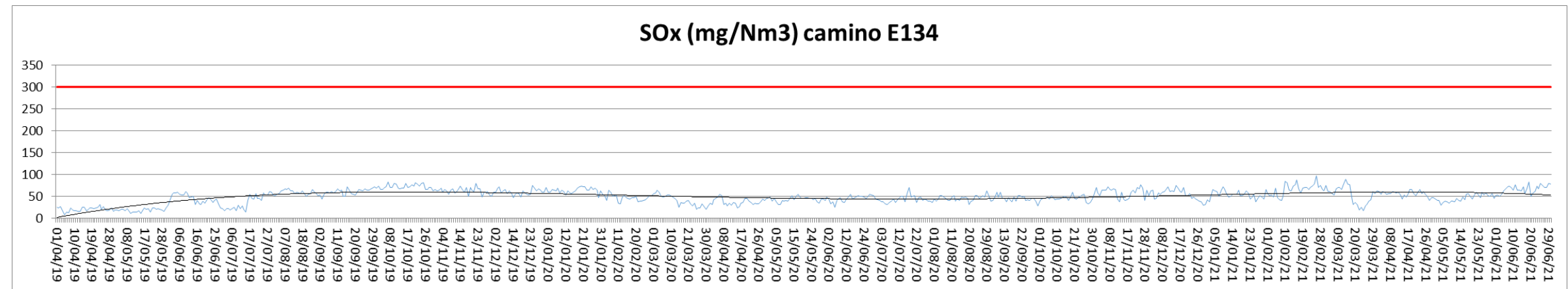
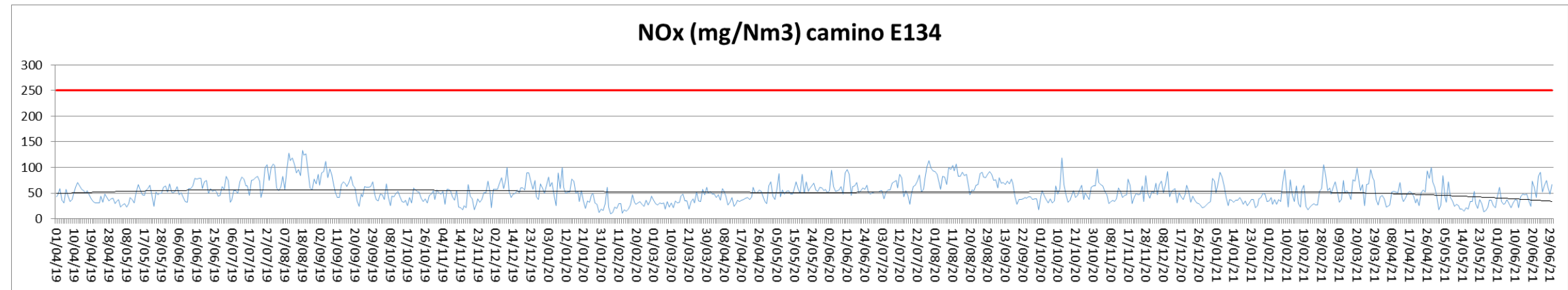
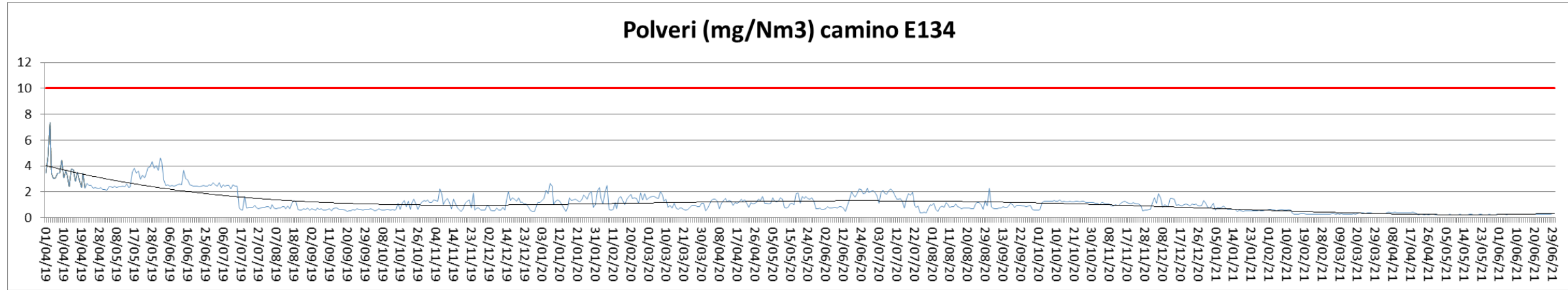
# Camino E112



# Camino E114

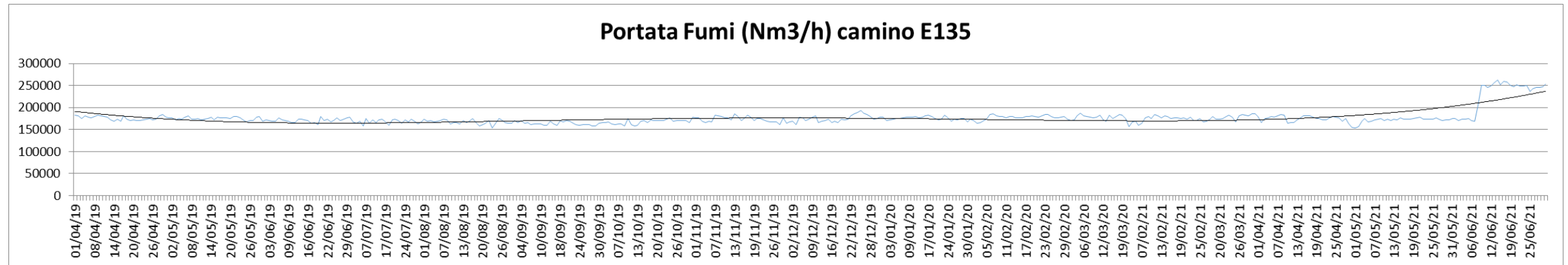
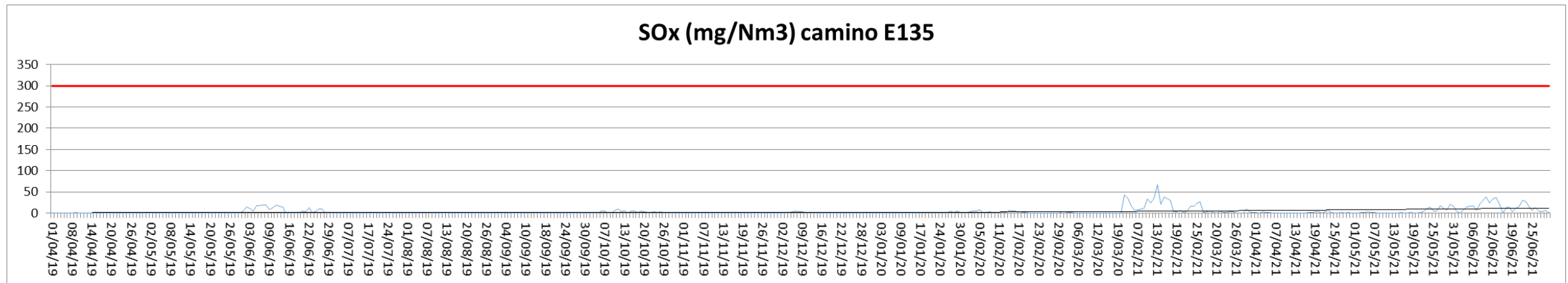
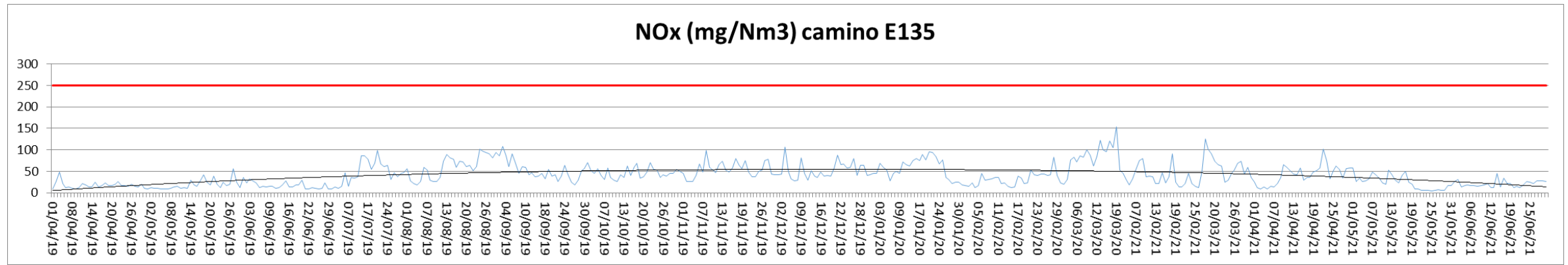
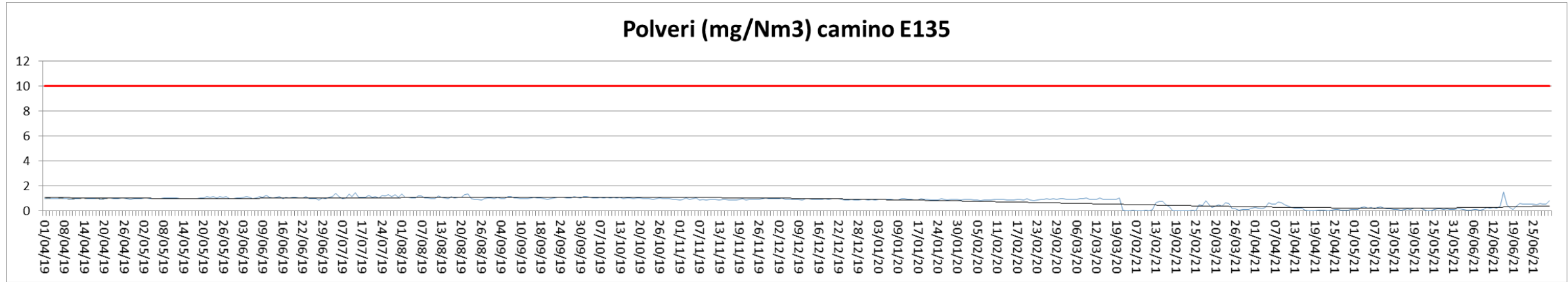


### Camino E134

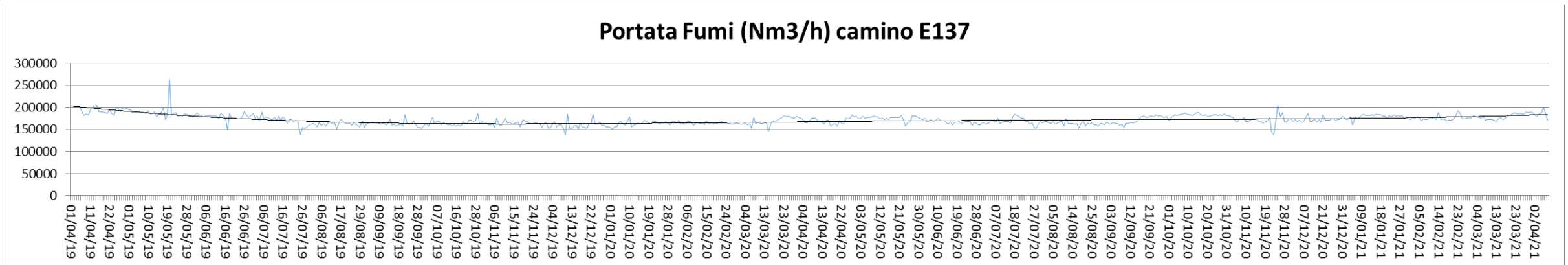
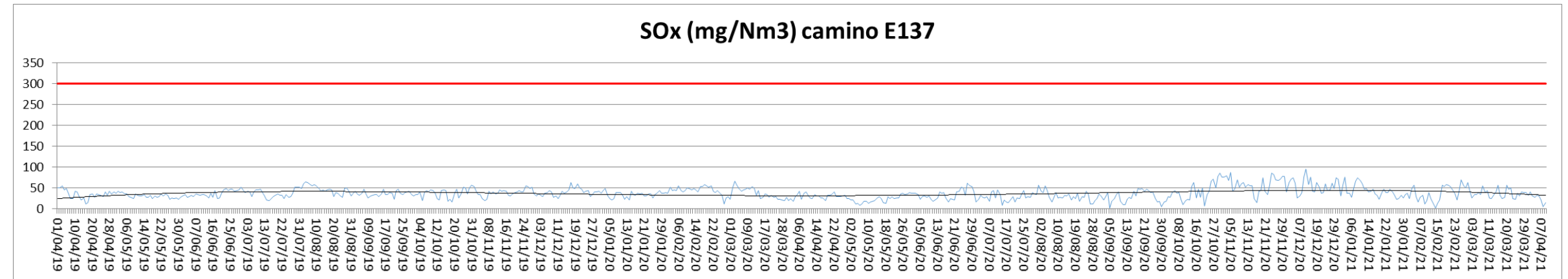
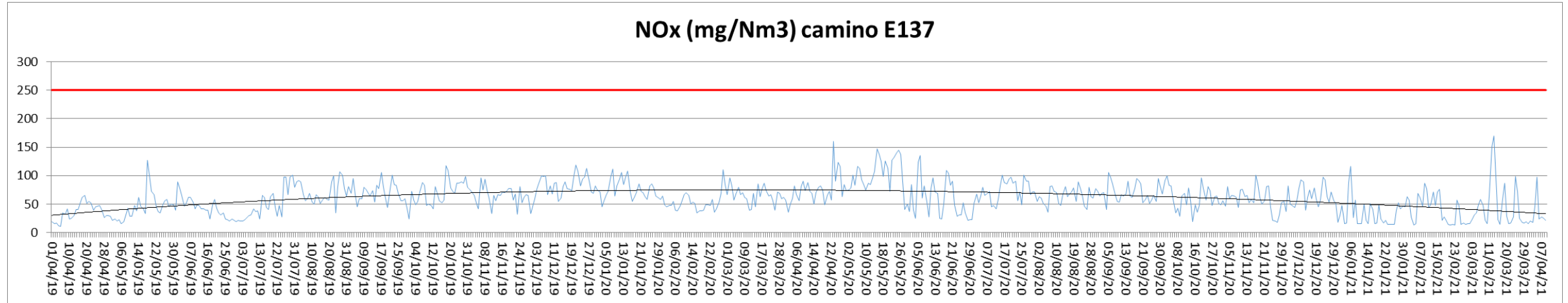
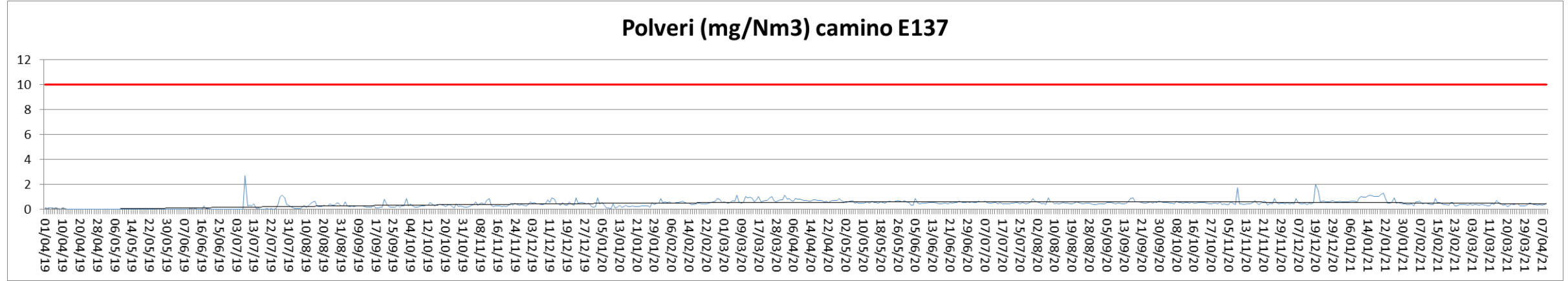




### Camino E135



### Camino E137





**TAVOLA 5-Emissioni diffuse (Tabella e grafico degli andamenti)**

Dati riepilogativi sulle stime delle emissioni diffuse in aria estratte dai rapporti annuali di esercizio 2017-2018-2019-2020 trasmessi dal Gestore per i vari reparti dell'area a caldo																													
Impianto/prodotto		Produzione (Ktonnellate/a)				Polveri (t/anno)				IPA (BaP) (Kg/anno)				Benzene (t/anno)				Stima emissione diffusa di PCDD/F g/anno				H <sub>2</sub> S (t/anno)				SO <sub>2</sub> (t/anno)			
		2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
Cokeria (Batterie 7-8 e 11-12)/Coke m.						25,52	25,24	24,52	20,81	17,06	17,03	16,32	13,72	1,26	1,25	1,2	1,012												
Cokeria (Torri di spegnimento 4 e 7)/Coke m.		1234	1232	1181	992	22,54	26,9	33,1	24,42																				
Agglomerato/Agl	Depolverazione secondaria (parte non captata)	5525	4901	4878	4132	18,74	18,88	20,06	21,42									0,0044	0,0783	0,011	0,0171								
	Raffreddatori					35,09	31,71	30,49	27,1									0,006	0,0523	0,0081	0,0436								
Altoforni 1, 2 e 4/Ghisa	Colaggio	4673	4430	4173	3313	88,8	84,2	79,3	62,9													4*	3,9*	3,4*	2,9*	2*	1,9*	1,7*	1,4*
	Stock House					27,8	9	0	0													ND**	35,4**	53,8**	29,1**	ND**	17,4**	26,5**	14,3**
Acciaierie 1 e 2/Acciaio	Affinazione ghisa	4731	4520	4210	3371	37,9	36,2	33,7	27																				
<b>TOTALE AREA A CALDO</b>						<b>256,39</b>	<b>232,13</b>	<b>221,71</b>	<b>183,65</b>	<b>17,06</b>	<b>17,03</b>	<b>16,32</b>	<b>13,72</b>	<b>1,26</b>	<b>1,25</b>	<b>1,2</b>	<b>1,012</b>	<b>0,010</b>	<b>0,13</b>	<b>0,019</b>	<b>0,0607</b>	<b>4</b>	<b>39,3</b>	<b>57,2</b>	<b>32</b>	<b>2</b>	<b>19,3</b>	<b>28,2</b>	<b>15,7</b>
<b>TOTALE STABILIMENTO</b>						<b>307,5</b>	<b>290,5</b>	<b>257</b>	<b>225,4</b>	<b>17,06</b>	<b>17,03</b>	<b>16,32</b>	<b>13,72</b>	<b>1,26</b>	<b>1,25</b>	<b>1,2</b>	<b>1,012</b>	<b>0,01</b>	<b>0,13</b>	<b>0,019</b>	<b>0,0607</b>	<b>4</b>	<b>39,3</b>	<b>57,2</b>	<b>32</b>	<b>2</b>	<b>19,3</b>	<b>28,2</b>	<b>15,7</b>

(\*) Stima associata alla produzione di ghisa con impianto di condensazione vapori loppa in marcia

(\*\*) Stima associata alla produzione di ghisa con impianto di condensazione vapori loppa non in marcia (SCVL- Senza Condensazione Vapori Loppa)

Grafico degli andamenti dei valori di emissioni diffuse stimati per l'intero stabilimento estratte dai rapporti annuali di esercizio 2017-2018-2019-2020

