

Road Transport

Table 1: Tier1 default emisison factors applied to road vehicles

Here, the tier1 values for PAH exhaust emissions have been derived from the following tier1 default values provided in the July 2017 version of the 2016 EMEP/EEA Guidebook:

Table 3: Tier1 default emisison factors applied to NRMM

[illegible]

+ Railways

Table 3: Tier1 default emisison factors applied to railway vehicles

=	= B[a]P	= B[b]F	= B[k]F	= I[...]p	= PAH 1-4	3	= PCDD/F												
=					= [mg/T]	= [µg/T]													
~ Diesel oil	> 698	2		> 1,164	2		> 801	1				> 184	1		> 2,847	3		> 2.09	
~ Biodiesel	> 806	> 1,343	> 924	> 212	> 3,284	> 2.41													
~ Lignite Briquettes	> 34,500	= NE	= NE	= NE	> 90,000	> 29.80													
~ Raw Lignite					= NE	= NE													
~ Hard Coal					= NE	= NE													
~ Hard Coal Coke					= NE	= NE													
1																			
2																			
3																			

As the EMEP/EEA GB 2016 does not provide a tier1 value for **PCDD/F**, the EF applied here has been derived from a study carried out by Rentz et al. (2008) ³⁾ for the German Federal Environment Agency. Furthermore, both **HCB** and **PCBs** emissions are stated as *not applicable* in ⁴⁾, chapter 1.A.3.c Railways, Table 3-1 Tier 1 emission factors for railways.

[gallery size="medium" : GB2016_EF_NE+NA_1.A.3.c.png](#) [gallery](#)

+ Inland Vessels and Ships in 1.A.3.d ii

Table 4: Tier1 default emission factors applied to inland ships and vessels

=	= B[a]P	= B[b]F	= B[k]F	= I[...]p	= PAH 2 1-4		= HCB	= PCBs	= PCDD/F										
=						= [mg/T]	= [µg/T]												
~ Diesel oil	> 698	4		> 1,164	4		> 801	5		> 184	5	> 2,847	> 1.86	3	> 0.88	3	> 93.0	7	
~ Biodiesel	1		> 806	> 1,343	> 924	> 212	> 3,284	> 1.02	> 2.15	> 107									
1																			
2																			
3																			
4																			
5																			

+ Maritime Vessels and Ships in 1.A.3.d i, 1.A.3.d ii, 1.A.4.c iii and 1.A.5.b iii

The following table provides the tier1 EF applied for POPs from ships and vessels in both civil and military operation in NFR categories 1.A.3.d i -International Maritime Navigation, 1.A.3.d ii - National Navigation (Shipping), 1.A.4.c iii -Fisheryand 1.A.5.b iii - Other: Military Navigation.

¹⁾ (bibcite 1)

²⁾ (bibcite 2)

³⁾ (bibcite 2)

⁴⁾ (bibcite 2)

⁵⁾ (bibcite 2)