REPUBLIC OF BULGARIA

MINISTRY OF ENVIRONMENT AND WATER

99-00-253

11 May 2011

To
UNFCCC Secretariat
Haus Carstanjen
Martin-Luther-King-Strasse 8
53175 Bonn
Germany

Subject: Recalculation of emissions from harvested wood products (HWP) and forest management reference level of Bulgaria

Dear Sir/Madam,

I would like to inform the UNFCCC Secretariat that a minor technical error in the calculation matrix of the HWP model for Bulgaria was found. This affects the result of the projected net emission numbers. As a consequence the forest management reference level values are also affected.

In this regard, please find here enclosed new tables with the changes in the HWP values and the associated changes in the reference level estimates.

Please note that the new numbers do not affect assumptions, methodology etc., which were used to prepare the report of forest management reference level of Bulgaria, submitted to the UNFCCC in April 2011. The reference level data will be revised, and the entire report will be resubmitted later, as a follow-up of the UNFCCC review.

Encl.:

1. Recalculation of emissions from HWP and the reference level of Bulgaria.

Yours faithfully,

Evdokia Maneva

Deputy Minister of Environment and Water

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Table 1 Value of proposed reference levels (Gg CO2eq)

Reference level*	
(A)	**(B)**
-9304	**-9522**

The contribution of HWP to the reference level of Bulgaria amounts to 0,218 Mt CO2.

Table 2 Historic time series of amounts and share of accountable carbon Inflow to the HWP pool [in 1000t C and %]

1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
529	533	497	474	499	517	531	518	543	571	581	564	541	515	523	610	530
99.6%	98.5%	95.9%	91.7%	89.4%	90.9%	89.2%	88.2%	89.3%	88.7%	88.8%	87.7%	87.1%	86.7%	87.2%	92.3%	88.8%

1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
537	562	547	540	569	486	515	537	539	446	496	229	222	225	206	204	204
88.7%	88.6%	86.0%	86.4%	88.8%	82.6%	85.8%	88.9%	93.8%	96.6%	94.9%	95.1%	100.0%	99.9%	99.9%	99.9%	99.9%

1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
204	196	261	292	303	300	415	395	460	946	583	486
100.0%	99.2%	96.7%	93.9%	97.6%	97.6%	97.3%	98.4%	98.5%	93.2%	93.9%	98.2%

Table 3 Projection of carbon Inflow to the HWP pool

Average of historic harvest (2003-2007) [in 1000m3]	6.469										
Average HWP pool Inflow* (2003-2007) [in 1000t C]	503										
years	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Projected harvest rate [in 1000m3]	6237.08	6190.69	6144.3	6097.91	6051.51	6005.12	5959	5912	5866	5820	5773.16
Change as cp to historic harvest (2003-2007) [in %]	-3.59%	-4.30%	-5.02%	-5.74%	-6.45%	-7.17%	-7.89%	-8.61%	-9.32%	-10.04%	-10.76%
Projected carbon Inflow to HWP pool [in 1000t C]	485.325	481.715	478.105	474.495	470.885	467.275	463.665	460.055	456.445	452.8353	449.2254
Projected harvest rate [in 1000m3]	6237.08	6190.69	6144.3	6097.91	6051.51	6005.12	5959	5912	5866	5820	5773.16

*a similar approach was chosen by Kangas and Baudin (2003): ECE/TIM/DP/30

Table 4 Historic (up to 2009) and projected net-emissions from HWP pool [in 1000t CO2]

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
68	-71	947	963	942	1004	998	982	965	970	709	586	544	555	168	300	101

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
-1622	-241	258	139	157	171	184	196	206	215	224	232	239	246