



**Ms. Yulia Mikhaylovskaya**  
**SRI Atmosphere, JSC**  
**Saint-Petersburg**  
[pomochnik-nedre@mail.ru](mailto:pomochnik-nedre@mail.ru)  
**+7(812)297-86-62**



# Environmental and economic mechanisms of air quality management in the Russian Federation

***Legal framework:  
economic mechanisms of air quality management in the Russian Federation***

***Federal Law of the Russian Federation “On environmental protection”***

***Article 14: main approaches to economic regulations in the area of environmental protection***

- Setting payments for negative impact on the environment;***
- Economic assessment of the impact of economic and other activities on the environment;***
- Economic assessment of natural objects, natural and man-made objects;***
- Setting limits on emissions and discharges of pollutants and microorganisms, limits for disposal of waste of production and consumption, and other negative impacts on the environment;***
- Compensation of harm to the environment by agreed rules and procedures;***

***Federal Law of the Russian Federation "On Air Protection"***

***Article 28: Payment for pollution of the environment by emissions of harmful substances (pollutants) into the air and other types of exposure to it***

***Pollution of the environment by emissions of harmful substances (pollutants) into the air and other types of exposure to it caused by a natural or legal person shall be fined in accordance with the laws of the Russian Federation.***

*Legal framework:  
economic mechanisms of air quality management in the Russian Federation*

*Federal Law of 31 1998 no. 145-Φ3*

*"Budget Code of the Russian Federation" (as amended on 01.12.2008)*



*Federal Law of November 30, 2011 no. 371-Φ3*

*"On the Federal Budget for 2012 and the Planning Period of 2013 and 2014"*

*Rosprirodnadzor order of 24.02.2011 no. 103 "On the empowerment of the Federal Service for Supervision of Natural Resource Use and its territorial bodies in the area of budget revenue administration"*

## Procedure for determining fines/fees

*Government Decree no. 632 of 28.08.1992 "On approval of the procedure to determine fines/fees for pollution of the environment, waste disposal and other types of harmful impacts"*

*Instructional and methodological instructions on levying fines/fees for pollution of the environment approved by the Ministry of Environment and Natural Resources of the Russian Federation, 01/26/93.*

**Payments for pollution of the environment does not allow a polluter to avoid fulfilling of measures aimed at environmental protection and sustainable use of natural resources, as well as compensation of the full harm to the environment**



**Fines/fees set by the Government Decree no. 344 of 12.06.2003**

**"On rates of fines/fees for emissions of pollutants into the air from stationary and mobile sources, discharges of pollutants into surface and ground water bodies, disposal of wastes of production and consumption"**

**Decree sets the following:**

**Rates of fines/fees for emissions of pollutants into the air from stationary and mobile sources are applied using coefficients that take into account environmental factors and an additional factor of 2 for protected areas.**



*Dynamics of emissions into the atmosphere from stationary and mobile sources by year*

*Table no.1*

<i>Year</i>	<i>Total, emissions from stationary and mobile sources, Million tons</i>	<i>Emissions from stationary sources, Million tons</i>	<i>Emissions from mobile sources, Million tons</i>
1990	55.6	34.7	20.9
1991	49.1	31.8	17.3
1992	44.9	28.7	16.2
1993	43.6	26.3	17.3
1994	39.8	23.6	16.2
1995	36.7	22.2	14.5
1996	<b>34.0</b>	20.8	13.2
1997	34.2	19.8	14.4
<b>1998</b>	<b>34.2</b>	<b>18.9</b>	<b>15.3</b>
1999	34.7	19.2	15.5

<i>Year</i>	<i>Total, emissions from stationary and mobile sources, Million tons</i>	<i>Emissions from stationary sources, Million tons</i>	<i>Emissions from mobile sources, Million tons</i>
2000	35.1	19.4	15.7
2001	35.4	19.4	16.0
2002	35.6	19.4	16.2
2003	37.0	20.4	16.6
2004	37.9	20.8	17.1
2005	37.7	20.3	17.4
2006	36.0	20.7	15.3
2007	37.1	20.8	16.3
<b>2008</b>	<b>37.4</b>	<b>20.1</b>	<b>17.3</b>
2009	36.3	19.0	17.1

*Revenues from fines/fees for nature resource usage in the Russian Federation*  
*Table no.2*

<i>Year</i>	<i>Revenues of the federal budget of the Russian Federation, thousand US dollars</i>	<i>Expenditures of the federal budget of the Russian Federation, thousand US dollars</i>	<i>Taxes and fees for nature resource usage collected in the Russian Federation, %</i>	<i>Expenditures for environmental protection, %</i>
<b>1995</b>	48346.8	68546.5	<b>1.38</b>	<b>0.54</b>
<b>1996</b>	74474.4	93468.4	<b>2.88</b>	<b>0.49</b>
<b>1997</b>	96247.2	78095.1	<b>3.19</b>	<b>0.51</b>
<b>1998</b>	83324.2	61258.0	<b>2.75</b>	<b>0.58</b>
<b>1999</b>	22938.38	27847.29	<b>2.38</b>	<b>0.50</b>
<b>2000</b>	29525.9	31669.37	<b>1.65</b>	<b>0.44</b>
<b>2001</b>	42367.16	42367.16	<b>3.33</b>	<b>0.44</b>
<b>2002</b>	70574.97	64654.25	<b>5.20</b>	<b>0.45</b>



<i>Year</i>	<i>Revenues of the federal budget of the Russian Federation, thousand US dollars</i>	<i>Expenditures of the federal budget of the Russian Federation, thousand US dollars</i>	<i>Taxes and fees for nature resource usage collected in the Russian Federation, %</i>	<i>Expenditures for environmental protection, %</i>
<b>2003</b>	76031,18	73762,30	<b>6,40</b>	<b>0,46</b>
<b>2004</b>	92977,97	90150,74	<b>7,04</b>	<b>0.47</b>
<b>2005</b>	120073,68	110033,54	<b>8,07</b>	<b>0,15</b>
<b>2006</b>	1750915,16	1481649,79	<b>8,52</b>	<b>0,15</b>
<b>2007</b>	2648409,58	2077368,78	<b>8,03</b>	<b>0,15</b>

*Data on fines/fees for adverse environmental impact in the Russian Federation  
in 2007-2009*

*Table no.3*

<b>Indicator</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Fines/fees total, including:			
for authorized adverse impact	54%	55,6%	56,6%
for unauthorized adverse impact	<b>46%</b>	<b>44,4%</b>	<b>43,4%</b>
<i>By type of impact:</i>			
<b>Emissions into air</b>	<b>26,4%</b>	<b>24,7%</b>	<b>24,0%</b>
Releases into water	23,4%	20,6%	20,7%
Waste disposal	50,2%	54,7%	55,3%

*Expenditures for environmental protection in some countries (in % of GDP)*

*Table no. 4*

	<b>Year</b>	<b>Expenditures (% of GDP)</b>
<b>Russian Federation</b>	<b>2009</b>	<b>0.9</b>
<b>Austria</b>	2008	0.4 <sup>1)</sup>
<b>Belarus</b>	2008	0.4 <sup>1)</sup>
<b>Belgium</b>	2007	0.6 <sup>1)</sup>
<b>Bulgaria</b>	<b>2007</b>	<b>2.1</b>
<b>Germany</b>	2008	0.5 <sup>1)</sup>
<b>Greece</b>	2007	0.5 <sup>1)</sup>
<b>Denmark</b>	2008	0.5 <sup>1)</sup>
<b>Ireland</b>	2007	0.7 <sup>1)</sup>
<b>Spain</b>	2007	0.9 <sup>1)</sup>
<b>Italy</b>	2007	0.8 <sup>1)</sup>
<b>Kazakhstan</b>	<b>2008</b>	<b>0.1<sup>1)</sup></b>
<b>Canada</b>	2007	0.7 <sup>1)</sup>
<b>Netherlands</b>	2008	0.8 <sup>1)</sup>
<b>Poland</b>	2008	0.6 <sup>1)</sup>
<b>Portugal</b>	2007	0.5 <sup>1)</sup>
<b>Republic of Moldova</b>	<b>2008</b>	<b>0.1<sup>1)</sup></b>
<b>United Kingdom</b>	2007	1.0 <sup>1)</sup>
<b>Ukraine</b>	2008	0.2 <sup>1)</sup>
<b>Finland</b>	2006	1.1
<b>France</b>	2008	0.9 <sup>1)</sup>
<b>Czech Republic</b>	2008	1.9
<b>Sweden</b>	2008	0.4 <sup>1)</sup>

*Expenditures for environmental protection in the Russian Federation  
(thousand US dollars)*

*Table no.5*

<b>Year</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
<b>Total</b>	<b>5469,06</b>	<b>6679,55</b>	<b>8445,12</b>	<b>8994,72</b>	<b>11224,33</b>	<b>15003,13</b>	<b>11926,64</b>	<b>12237,33</b>
<b>Air protection</b>	<b>1169,00</b>	<b>1551,76</b>	<b>1940,97</b>	<b>2106,93</b>	<b>2435,93</b>	<b>3124,66</b>	<b>1650,21</b>	<b>2631,31</b>
Waste water treatment	2420,79	2959,52	3803,93	3875,95	4821,90	6483,47	5633,03	5558,72
Solid waste handling	471,208	671,15	820,90	904,78	1074,03	1641,26	1347,89	1441,82
Protection and rehabilitation of soils and underground waters	313,21	308,30	485,34	581,88	821,55	1111,96	649,39	565,85
Preservation of biodiversity and natural environment	378,09	403,35	452,77	556,97	824,37	1082,49	745,50	755,01

## **Conclusions**

*Presidential Decree "On the elements of the environmental policy of the Russian Federation for the period up to 2030 and measures for their implementation" for the period up to 2030 costs for environmental protection activities will increase by factor 10, the federal spending on the environmental protection activities for the same period shall increase from the current 0.9% of GDP to 1.7% of GDP in 2030.*

**THANK YOU FOR YOUR ATTENTION**