

Report

for

Key Performance Indicators (KPI)

to Responsible Care

Bulgarian Chamber of the Chemical Industry
2011

February, 2013

Industrial activities

- ☒ 353 Petroleum refineries
- ☒ 354 Manufacture of miscellaneous products of petroleum and coal
- ☒ 355 Manufacture of rubber products
- ☒ 356 Manufacture of plastic products not elsewhere classified
- 341 Manufacture of cellulose and paper

	Sector	Unit	2009	2010	2011
	National chemical industry				
	a. Number of companies		1355	1300	<input type="text" value="1531"/>
	b. Number of employees	thousand	32.74	31.13	<input type="text" value="29.12"/>
	c. No of hours worked per year	million hours	45.84	50.384	<input type="text" value="48.76"/>
	d. Annual turnover	million US\$	3177.5	3732.6	<input type="text" value="3235.5"/>
	e. Production	million metric tons	13.925	14.375	<input type="text" value="13.465"/>
	Association membership				
	a. Number of companies		53	56	<input type="text" value="56"/>
	b. Number of employees	thousand	11.7	11.5	<input type="text" value="9.97"/>
	c. No of hours worked per year	million hours	16.09	17.55	<input type="text" value="15.85"/>
	d. Annual turnover	million US\$	2537	2993.66	<input type="text" value="2874.55"/>
	e. Production	million metric tons	10.766	11.056	<input type="text" value="10.97"/>
	Responsible Care companies				
	a. Number of companies		28	30	<input type="text" value="31"/>
	b. Number of employees	thousand	8.487	8.329	<input type="text" value="6.85"/>
	c. No of hours worked per year	million hours	12.374046	13.0264	<input type="text" value="10.605"/>
	d. Annual turnover	million US\$	2320	2658	<input type="text" value="2450"/>
	e. Production	million metric tons	9.3366	11.955	<input type="text" value="9.003"/>



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Unit / Sector		2009	2010	2011
 Number of fatalities for employees (based on 1 day data)	Responsible Care companies	0	0	0
	thousand			
 Number of employees in survey	Responsible Care companies	8.487	8.329	6.85
	thousand			
 Lost time injury rate for employees	per million worked hours Responsible Care companies	0.573	0.5373	0.5405
	thousand			
 Number of employees in survey	Responsible Care companies	8.487	8.329	6.85
	thousand			
 Number of fatalities for contractors (based on 1 day data)	Responsible Care companies			0
	thousand			
 Number of contractors in survey				0
	thousand			
 Lost time injury rate for contractors	per million worked hours			0
	thousand			
 Number of contractors in survey				0
	thousand			

3. ENVIRONMENT

Indicator of performance	Unit / Sector	2009	2010	2011
 Hazardous wastes for disposal	metric T/Y Responsible Care companies	1712.7	1677.8	1129.79
 Non-hazardous wastes for disposal	metric T/Y Responsible Care companies	579407	520327	792626
 Sulphur Dioxide	metric T/Y Responsible Care companies	6400	6278	1719
 Nitrogen Oxides	metric T/Y Responsible Care companies	3634	3421	3387
 Volatile Organic Compounds	metric T/Y Responsible Care companies	3752	3296	2853
 Carbon Dioxide a. Direct CO2 emissions	million metric T/Y Responsible Care companies			0

b. Indirect CO ₂	million metric T/Y			0
	Responsible Care companies	4.0615	3.7632	3.5155
a. Nitrous Oxide				0
Nitrous Oxide in CO ₂ Equivs	metric T/Y Responsible Care companies	168808	130593	109451
b. Hydrofluorocarbons				0
Hydrofluorocarbons in CO ₂ Equivs	metric T/Y			0
c. Total other GHG in CO ₂ Equivs	metric T/Y Responsible Care companies	168808	130593	109451
Chemical Oxygen Demand	metric T/Y Responsible Care companies	1539.28	1331.58	1332.39
Phosphorus Compounds	metric T/Y Responsible Care companies	9.948	8.568	8.177
Nitrogen Compounds	metric T/Y Responsible Care companies	434.64	487.56	455.15

4. TRANSPORT INCIDENTS

	Mode of transport	Unit / Sector	2009	2010	2011
i	Road				
	a. Total number of incidents	Responsible Care companies	0	0	0
	b. Total volume transported	million metric T/Y	0	0	0
i	Rail				
	a. Total number of incidents		0	0	0
	b. Total volume transported	million metric T/Y	0	0	0
i	Total				
	a. Total number of incidents	Responsible Care companies	0	0	0
	b. Total volume transported	million metric T/Y Responsible Care companies	7.472	7.221	7.011

5.USE OF RESOURCES



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		2009	2010	2011
	<div>▼</div>	1500930	1467870	914964
Specific energy consumption	Responsible Care companies <div>▼</div>	0.161	0.12278	0.1016
Water consumption				
a. Public supply water	million m3 <div>▼</div>			0
b. Ground water	million m3 <div>▼</div>			0
c. Surface water (river, lake, ...)	million m3 <div>▼</div>			0
d. Total continental water (a+b+c)	million m3 <div>▼</div>	41.15	43.15	46.25
e. Sea water	million m3 <div>▼</div>		0	0
f. Others	million m3 <div>▼</div>		0	0
g. Total (a+b+c+e+f)	million m3 <div>▼</div>	41.15	43.15	46.25

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