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## Environmental Report for the 1<sup>st</sup> Quarter of 2016

### Groundwater and surface water monitoring system

- Groundwater monitoring system is designed to monitor the impact of plant operation on groundwater.
- Surface water quality is monitored in the Kotrcina stream at two stream profiles.

Monitoring place	Marking	Pollution indicators
Bore	SM-1, SM-2, SM-3, SM-4, SM-5, PM-1, PM-2, PM-4, PM-7, PM-8, PM-9, PM-10, PM-11, PM-13	water temperature, water level, pH, conductivity, COD-Mn, non-polar extractives, BTEX, TOC
Kotrcina stream	PV-1, PV-2	water temperature, pH, conductivity, dissolved oxygen, COD-Mn, nitric nitrogen, non-polar extractives, BTEX, hydrocarbon index, TOC
Rainwater sewage <i>(behind oil separator)</i>	DK-2 Kia	non-polar extractives



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## Indexes of industrial waste water contamination

- Quantity of industrial waste water discharged into the public sewerage in the 1st quarter 2016: **88,069 m<sup>3</sup>**

Indicator	pH	COD <sub>Cr</sub>	BOD <sub>5</sub>	Soluble Substances	N total	P total
Unit		mg/l	mg/l	mg/l	mg/l	mg/l
<b>Public sewerage limit</b> (Decree No. 55/2004 Coll.)	6-9	800	400	2,500	70	10
<b>Concentration of pollutants*</b>	7,72	270	55,5	1,110	11,2	0,27

*\* Indicators are set by qualified spot sample*



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## Air protection

- KMS operates the following sources of air pollution divided in terms of Decree No. 410/2012 Coll.:

Large air pollution source	Medium air pollution sources
Paint Shop	Press Shop
Vehicle Process Center (VPC)	Body Shop
Tank Farm	Assembly Shop
	Engine Shop
	Canteen
	Main Office
	Section 6 (Utility buildings)
	Fuel Station

- During the trial operation in 2007, the first authorized measure of emissions was executed for all sources that fulfilled this obligation.
- Repeated authorized measures are carried out in the set legislative deadlines every 3 or 6 years.
- The results confirmed compliance with the emission limits of all previously measured sources.



## Waste management

- Kia Motors Slovakia produces hazardous and other wastes from its operation.
- Their amount and way of disposal in the 1<sup>st</sup> quarter of 2016 are shown in the table.

Wastes	Amount in t	Recovery in %	Disposal in %
Hazardous	1,711.46	4,17	95,83
Others	15,330.36	98,92	1,08
<b>Total</b>	<b>17,041.82</b>	<b>89,40</b>	<b>10,60</b>

- According to the Law about wastes, Kia Motors Slovakia, as obliged person, ensures responsibilities for collection, recovery and recycling of packaging materials by itself and at its own cost.