Environmental Report for the 4th Quarter of 2015

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 *(behind oil separator)*	DK-2 Kia	non-polar extractives

Indexes of industrial waste water contamination

- Quantity of industrial waste water discharged into the public sewerage in the 4th quarter 2015: **91,008 m^3**

Indicator	pH	COD_{Cr}	BOD_5	Soluble Substances	N total	P total
Unit		mg/l	mg/l	mg/l	mg/l	mg/l
Public sewerage limit (Decree No. 55/2004 Coll.)	6-9	800	400	2,500	70	10
Concentration of pollutants*	7.57	205	39.8	1,480	9.87	0.29

**Indicators are set by qualified spot sample*

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.

On October 19th - 22nd, 2015, the first authorized periodical measurement of emissions was carried out to verify compliance with the set emission limits in waste gas from end thermal oxidation equipment in object SO 300 Paint Shop. The measurement confirmed that the emission limits were complied with.

Exhaust	Pollutant	Emission limit [$mg.m^{-3}$]	Average measured value [$mg.m^{-3}$]	Result	Exhaust	Pollutant	Emission limit [$mg.m^{-3}$]	Average measured value [$mg.m^{-3}$]	Result
V22-19	solids	20	2	COMPLIANCE	V40-22	solids	20	3	COMPLIANCE
	TOC	20	4	COMPLIANCE		TOC	20	4	COMPLIANCE
	NO_x-NO_2	200	174	COMPLIANCE		NO_x-NO_2	200	133	COMPLIANCE
	CO	100	74	COMPLIANCE		CO	100	42	COMPLIANCE
V27-20	solids	20	4	COMPLIANCE	V43-23	solids	20	3	COMPLIANCE
	TOC	20	2	COMPLIANCE		TOC	20	4	COMPLIANCE
	NO_x-NO_2	200	115	COMPLIANCE		NO_x-NO_2	200	138	COMPLIANCE
	CO	100	75	COMPLIANCE		CO	100	53	COMPLIANCE
V34-21	solids	20	3	COMPLIANCE					
	TOC	20	3	COMPLIANCE					
	NO_x-NO_2	200	134	COMPLIANCE					
	CO	100	58	COMPLIANCE					

Status conditions expressing the mass concentration of 0°C, 101.3 kPa, dry gas and reference oxygen 17% (vol.)
The requirement to comply with the emission limit by integrated permit for Paint Shop

Waste management

- Kia Motors Slovakia produces hazardous and other wastes from its operation.
- Their amount and way of disposal in the 4th quarter of 2015 are shown in the table.

Wastes	Amount in t	Recovery in %	Disposal in %
Hazardous	1,450.45	4.20	95.80
Others	15,393.34	98.84	1.16
Total	**16,843.79**	**90.69**	**9.31**

- According to the Law No. 119/2010 Coll. on packaging, Kia Motors Slovakia, as obliged person, ensures responsibilities for collection, recovery and recycling of packaging materials by itself and at its own cost.