



Environment – Quarterly Report – 4th Quarter 2012

Groundwater and surface water monitoring system

Monitoring system of underground water is centred on plant operation impact on underground water. The surface water quality is monitored in Kotrcina stream at two stream profiles.

Monitoring place	Marking	Pollution parameters
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	temperature, level, pH, conductivity, CHSk-Mn, NEL-IR, BTEX, TOC
Creek - Kotrcina	PV-1, PV-2	temperature, pH, oxygen, conductivity, CHSK-Mn, nitric nitrogen, NEL-IR, BTX, benzene, toluene, xylene, ethylbenzene, hydrocarbon index, TOC
Rainwater sewage <i>(behind oil separator)</i>	DK-2 KIA	NEL-IR



Indexes of industrial waste water contamination

Quantity of industrial waste water discharged into the public sewerage: 88,156.00 m³.

Index	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	6-9	800	400	2,500	70	10
Concentration of pollutants*	8.13	293.00	56.60	961.00	9.84	0.23

* Indexes are set by qualified spot sample



Air protection

Kia Motors Slovakia, s.r.o. is operating following air pollution sources dividing based on public notice No.356/2010 Coll.:

Large air pollution source	Middle 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 there was realized the first authorized emission measurement on the air pollution sources that has obligation of emission measurement based on legislation. The results confirmed the observance of emission limits by all measured air pollution sources.



Waste management

Kia Motors Slovakia s.r.o. is generating hazardous and other wastes by car production. Their amount and disposal method in the 4th quarter 2012 is described in following table.

Wastes	Amount in t	Utilization in %	Disposal in %
Hazardous	1,189.09	18.09	81.91
Others	13,490.39	98.76	1.24
Total	14,679.48	93.37	6.63

Based on the Act No. 119/2010, obliged person – Kia Motors Slovakia s.r.o. ensures collection, recovery and recycling of packaging at its own expense.