



Environmental protection 2020



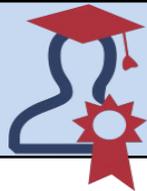
Environmental protection management



Sustainable improvements of conditions in living and working environments and responsibility of the employees

The activities of the Environmental Protection Department for 2020 are planned by the Action Plan for HSE Strategy Implementation for the 2020-2025 period. The goals directed to keeping the healthy and safe environment include the following:

- application of technologies which contribute to the environmental protection management;
- encouraging new competences, getting information and taking responsibilities by the employees regarding the environmental protection requirements, especially in the field of waste management;
- generating, temporary storage and disposal of the wastes produced during the operating process;
- lowering pollutant emissions to all environmental media .



Environmental protection management system

At annual basis each organizational unit in "HIP-Petrohemija" a.d. Pančevo makes a review of the following:

- ✓ Identified environmental aspects that affect operations, products, and services;
- ✓ Plans on operation control regarding the identified environmental aspects ;
- ✓ Analysing the impact of all the aspects;
- ✓ Impact assessment for identified aspects, and **re-assessed** Register of significant environmental impacts is made.

The environmental management system regulated in accordance with the **ISO 14001** enables the Environmental Protection Department to be efficient in performing its activities to fulfil the requirements regarding the environmental protection, to complete the planned measurements within the given deadlines in accordance with the legal regulations and measures imposed by the state and provincial inspectors.

Monitoring environmental status in "HIP-Petrohemija" a.d. Pančevo

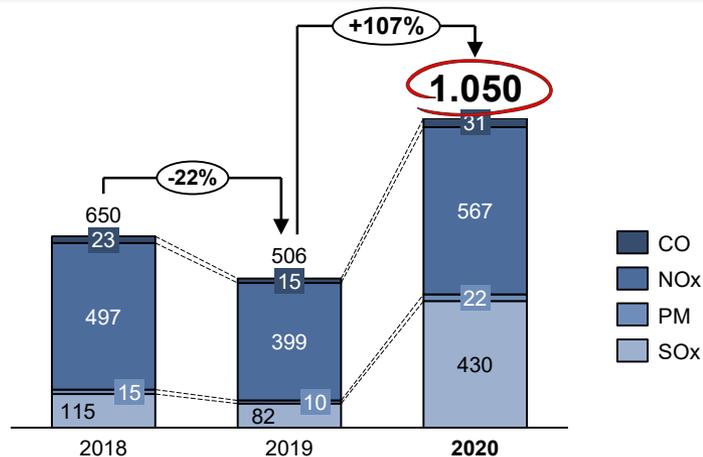
The monitoring system in "HIP-Petrohemija" a.d. Pančevo covers the following environmental entities:

- ✓ air quality / pollutants emission in the air
- ✓ waters quality / pollutants emission in the waters
- ✓ soil quality / pollutants emission in the soil and ground waters

Monitoring is based on repeated measures and observations made at appropriate frequency, in accordance with the legal and sub-legal regulations referring to the field of environmental protection, and with internal procedures. The information gathered are used for supervising the correctness of the process operations, for checking the compliance with the ELV, and for making decision about production process improvement.

Waters and air contamination monitoring

Total annual pollutant emissions in the air



100 % measuring of pollutant emissions in the air

- **2 campaigns** - regular measuring of pollutant emissions in the air were made at all point stationary emission sources which were in operation (58 of 66 emitters).
- **2 campaigns** for diffusion stationary emission sources.

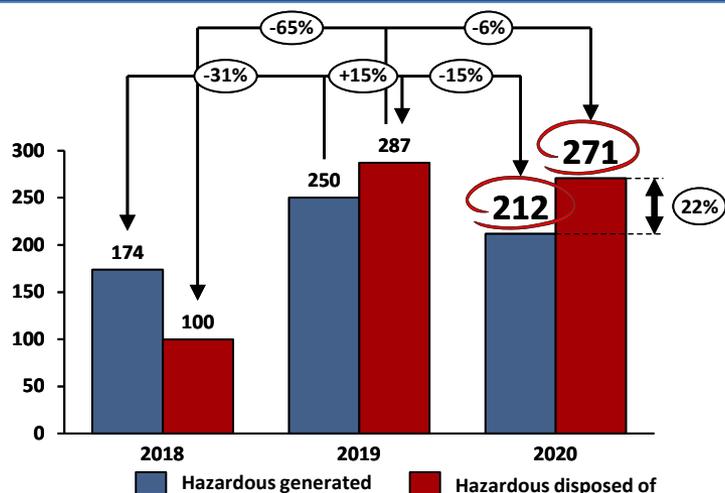


100 % measuring of pollutant emissions in the waters

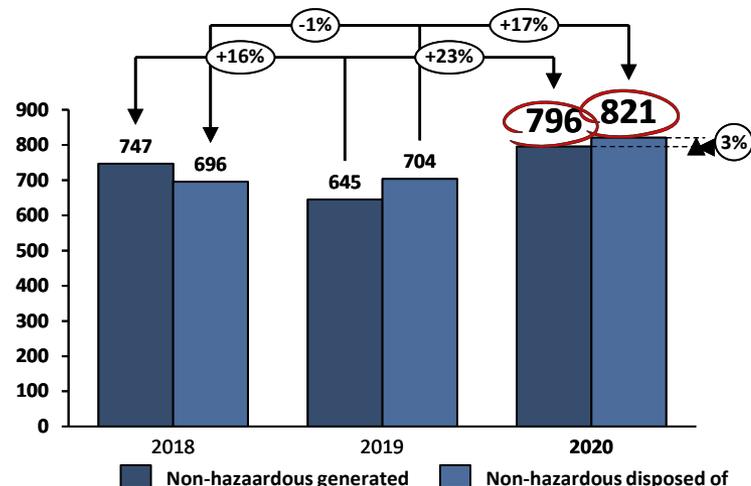
- **100 %** campaign for pollutant emission in the waters at FSK, all parameters were **below ELV**, except for **total phosphorus**. In **2022**, the project of phosphorus removal from the waste waters is expected to be realized – **chemical precipitation with ferric chloride (FeCl3)**.
- **100 %** campaign for pollutant emission in the waters at HIPP, all parameters were **below ELV**.
- **100 %** campaign for pollutant emission in the waters at Petroplast, all parameters were **below ELV**.

Waste management

Hazardous waste management (t)



Non-hazardous waste management (t)



100% hazardous waste disposed of

- In 2020, **all quantities** of the hazardous wastes generated during the year were **disposed of**, and **22%** of the quantities remaining from the previous year, in accordance with the legal deadlines

100% non-hazardous waste disposed of

- In 2020, **all quantities** of the non-hazardous wastes generated during the year were **disposed of**, and **3%** of the quantities remaining from the previous year, in accordance with the legal deadlines

- For the waste which is regularly generated the annual contracts have been signed for periodical, successive disposal. The introduction of such waste management system have reduced the daily quantities of waste stored at HIPP locations.
- In 2020, the good practise was continued regarding:
 - The suppliers' taking back, free of charge, the contaminated packaging from oils;
 - Decrease of total generated quantity of hazardous waste, contaminated metal packaging from chemicals. According to the special procedures, this packaging is washed and transferred to non-hazardous waste, fulfilling in this way the requirements for its further sale to authorized operators.

Dialogue with the parties concerned

7	Inspector examinations
2	by the Provincial Secretariat for Urban Planning and Environmental Protection
5	by the Republic Inspector for Environmental Protection

1	Inspection measure imposed	Status
	The measure imposed refers to HSE incident investigation in accordance with the Instruction for HSE Incident Investigation MA 1300-UP006 and submission of HSE Incident Reports and Analyses SP0800-OB019.	 Completed


100% completion of legal requirements

- Reports on **annual balance of the air emissions** in 2020, and reports about measurements of the air pollutants emissions
- National/Local registers of pollution sources** in 2020
- Report on packaging and packaging waste management** in 2020
- Report on placing the products** (special waste flows) **by types on the RS market** in 2020
- Submitted **Form 2 –Preliminary investigation of contaminated location** for the locations in Spoljnostarčevačka street and FSK Elemir
- Questionary for 2020 for payers of fees for using and/or discharging waters** for HIPP, FSK and Petroplast
- Questionary completed for 2020, regarding DOS and PSF substances** for FSK

Cooperation with the Ministry of Environmental Protection

In **2020**, the meetings were held with the representative of the Ministry of Environmental Protection. The main topic was informing the Ministry about the current status of the activities in “HIP-Petrohemija” a.d. Pančevo undertaken for the purpose of solving the ecological issues.

Cooperation with the competent authorities is being realized through the following:

- Targeted communication for the environment improvement;
- Organization of inspectors visits and other required activities of the Company regarding the environmental protection;
- Issuing and keeping up-to-date the Register of measures imposed by inspectors during their visits;
- Participation in preparing/changing the legal and sub-legal acts of the Republic of Serbia;
- Analyses of the measures imposed including proposal of preventive measures in order to minimize the inspectors orders.