



**REPORT ON THE
ENVIRONMENTAL
IMPACT OF
JAVYS, a. s.,
OPERATIONS
2025**



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1. INTRODUCTION

The Environment Report 2025 provides comprehensive information on the air protection, water and waste management systems, on the handling and use of chemicals, on environmental impact assessment (EIA) processes and on activities related to the environmental protection performed within JAVYS, a. s. JAVYS, a.s. is certified in environmental management system in accordance with the ISO standard 14001:2015

Environmental Management Systems, which demonstrates our goal and mission to perform all activities related to environmental protection.

Environmental protection forms part of the Safety process within the framework of the *"Integrated Management System"*.

During the performance of all the activities, emphasis is placed on compliance with the legal requirements of the SR and EU in the individual fields of environmental protection; and on the obligation to comply with limits and conditions included in decisions made by state authorities and regulatory bodies which oversee the protection of individual environmental components.



2. AIR PROTECTION

Company JAVYS, a. s., complies with the basic legal regulation in the field of air protection - the Act of the National Council of the Slovak Republic No. 146/2023 Coll. on Air Protection, as well as all directly and indirectly related laws, implementing Decrees and Regulations.

The method to operate sources of air pollution, from the source permit, the determination of the emission monitoring system, to the determination of limits for pollutants released into the air, is determined by valid decisions of state and regulatory authorities in relation to the air protection issued for company JAVYS, a. s.

Sources of air pollution and specific activities

In 2025, company JAVYS, a.s. operated **five (5) medium sources and two (2) small sources of air pollution.**

Source of pollution	Category
Reserve boiler plant (RBP)	medium source
Diesel generator in pumping station "V1"	medium source
Diesel generator adjacent to the outdoor switchboard "A1"	medium source
Diesel generator in sub-station V1 (2 pcs)	medium source
Diesel generator next to ISFS (interim spent fuel storage)	medium source
Production of fibre concrete mixture in the FCC production plant	small source
Mobile crushing plant VOLVO (portable stationary source)	small source

Pursuant to valid permit No. OU-TT-OSZP3-2023/065039-003 for the operation of Reserve Boiler Plant, the operator is obliged to comply with the emission limits specified in the Decree of the Ministry of the Environment of the Slovak Republic No. 248/2023 Coll. for the pollutants NOx and CO. Emissions are measured for this source of air pollution by authorized periodic measurement pursuant to the Decree of the Ministry of Environment of the Slovak Republic No. 249/2023 Coll.

Pursuant to the new Act on Air Protection, company JAVYS, a. s., performed selected specific activities in 2025, which included construction activities including demolition and reconstruction works, crushing of construction waste and demolition waste, and wood and biomass chipping. The operator is obliged to notify the relevant municipal office of the performance of the selected specific activity 14 days in advance according to the cadastral area. In 2025, the following notifications about the implementation of selected special activities were sent to the Municipal Office Jaslovské Bohunice in accordance with the Act on implementation of selected specific activities:

- construction activity - reconstruction works object 840M (MSVP),
- wood and biomass chipping.

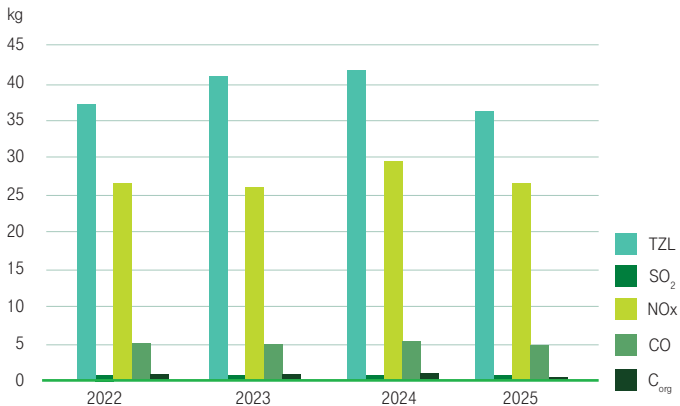
Quantities of emissions released into the air

Amount of Fuel Consumed, Number of Operating Hours and Amount of Emissions Discharged from Individual Sources in 2025

Medium air pollution sources							
Air Pollution Source	Fuel	Number of operating hours	Amount of pollutant (kg)				
Reserve boiler plant	Natural gas (thous. Nm³)	Hours/year	Solid pollutants	SO ₂	NOx	CO	C _{org}
	5.010	6.28	0.381	0.046	8.327	2.818	0.364
Diesel generators	diesel (tonnes)	Hours/year	Solid pollutants	SO ₂	NOx	CO	C _{org}
DG Caterpillar Olympian (obj.585d:V1)	0.313	14.60	0.445	0.006	1.567	0.251	0.036
DG Martin Power MP 1700 (obj.32.1)	2.024	9.92	2.875	0.040	10.122	1.620	0.223
DG1 Martin Power MP 400 / 2 pcs (obj.713:V1)	0.185	4.00	0.262	0.004	0.924	0.148	0.020
DG Caterpillar C13ATAAC400-SA (obj. 840M)	1.466	21.50	2.081	0.029	7.329	1.173	0.167
Small air pollution sources							
Air Pollution Source	Fuel	Number of operating hours	Amount of pollutant (kg)				
FMC production	–	489.33	31.334	–	–	–	–
Crushing plant VOLVO	–	160	0.216	–	–	–	–
Total amount of pollutants from all small air pollution sources (kg)			37.594	0.125	28.269	6.010	0.810



Amounts of discharged emissions of all air pollutants (2022 – 2025)



The amounts of pollutant emissions discharged into the air in 2025 were comparable to previous years.

Company JAVYS, a.s., also operates nuclear facilities that are not categorized as sources of air pollution according to the Act on Air Protection, (RAW Incineration Plant until the source permit has been issued by the District Authority, i.e. until 31 December 2030), despite the fact that inactive emissions of pollutants discharged into the air are measured in them by an automated measuring system (AMS). Emission limits for polluting substances are approved for these facilities by the Nuclear Regulatory Authority of the Slovak Republic, which is also the regulator for the nuclear facilities. Emission limits are set in the operating procedure 10-LAP-001 "Limits & Conditions of safe operation of the Facility for Treatment and Conditioning of RAW". The nuclear facilities are as follows:

- BRWTC Incineration Plant (PS06) in the building 808,
- RAW Incineration Plant (PS45) in the building 809,
- Metallic RAW Melting Facility (PS37) in the building 34.





BRWTC RAW Incineration Plant (PS06)

In 2025, the BRWTC RAW Incineration Plant (PS06) was operated for 1,267 hours, of which 1,181 hours were in steady operation, during which emissions of pollutants were measured. The table below shows the quantities of pollutants discharged from the Incineration Plant over this period and the comparison to previous years.

Amounts of emissions discharged from the BRWTC RAW Incineration Plant (PS06) for the year 2025 and comparison with previous years

Pollutant	Year 2023 (kg)	Year 2024 (kg)	Year 2025 (kg)
Solid pollutants	<0.01	<0.01	0.1
CO	23.54	44.02	0.51
C_{org}	0.78	1.65	0.09
SO₂	1.30	4.64	<0.01
NO_x	230.70	322.67	91.82
HCl	1.31	2.44	0.09
HF	0.89	0.43	0.02
Hg *	0.007	0.017	0.003
Tl+Cd *	0.025	0.068	0.039
Sb+As+Pb+Ni+Cr+Co+Cu+Mn+V *	0.077	0.195	0.154

Emissions of pollutants (solid pollutants, CO, C_{org}, SO₂, NO_x, HF and HCL) are continuously measured by the AMS system, the functionality of which is checked by an authorised person at regular annual intervals. The limit values, frequency of measurements and control of the AMS are specified in operating procedure (OP) 10-LAP-001 Limits & Conditions of safe operation of the Facility for Treatment and Conditioning of RAW.

During the operation of the BRWTC RAW Incineration Plant PS 06 in 2025, the set values for the concentration of individual pollutants discharged into the air were not exceeded.

RAW Incineration Plant (PS45)

In 2025, the RAW Incineration Plant (PS45) was operated for 1,686 hours of which 1,361 hours were in steady operation, during which emissions of pollutants were measured. The table below shows the quantities of pollutants discharged from the Incineration Plant over this period and the comparison to previous years.

Amounts of emissions discharged from the RAW Incineration Plant (PS45) for the year 2025 and comparison to previous years

Pollutant	Year 2023 (kg)	Year 2024 (kg)	Year 2025 (kg)
Solid pollutants	4.21	0.8	0.33
CO	165.42	48.29	28.08
C_{org}	16.50	7.37	1.61
SO₂	274.69	19.4	40.11
NO_x	1,152.05	578.27	487.40
HCl	10.74	1.19	1.20
HF	0.12	0.11	0.46
Hg	0.008	0.016	0.013
Tl+Cd	0.005	0.023	0.052
Sb+As+Pb+Ni+Cr+Co+Cu+Mn+V	0.083	0.063	0.219

Emissions of pollutants (solid pollutants, CO, C_{org}, SO₂, NO_x, HF and HCL) are continuously measured by the AMS system, the functionality of which is checked by an authorised person at regular annual intervals. The limit values, frequency of measurement and control of the AMS are specified in operating procedure (OP) 10-LAP-001 Limits & Conditions of safe operation of the Facility for Treatment and Conditioning of RAW.

During the operation of the BRWTC RAW Incineration Plant (PS 45) in 2025, the set values for the concentration of individual pollutants discharged into the air were not exceeded.

Metallic RAW Melting Facility

The metallic RAW melting facility PS37 was in operation for 313 hours in 2025, the quantities of emissions released into the air were very low and are shown in the table. Chemical monitoring system (AMS) of gaseous emissions of solid pollutants, NO_x, CO and SO₂, is installed at the facility. In the annual report for 2025 from the AMS measurements, the measured pollutant concentration levels were well below the established emission limits.

Amounts of pollutants discharged from the metallic RAW melting facility for the year 2025 and the comparison to previous year

Pollutants	Year 2024 (kg)	Year 2025 (kg)
Solid pollutants	0	0
CO	0	1
SO ₂	4	8
NO _x	1	1
Operating hours /year	466	313

Air pollution charges (NEIS)

In 2025, company JAVYS, a. s., was obliged, pursuant to the Act No. 146/2023 Coll. and Act No. 190/2023 Coll. on Air pollution charges, to report data on stationary sources, on quantities and types of pollutants emitted into the air for the previous year, on compliance with emission limits and calculation of the annual fee for all medium-sized sources of air pollution. The data were sent to the relevant district environmental office of Trnava, Piešťany and Hlohovec (according to the cadastral area of the source) and subsequently to the National Emission Information System (NEIS) within the legally prescribed deadline.

In 2025 due to the insignificant amount of pollutants produced (calculated according to approved calculation procedures), company JAVYS, a. s. was not obliged to pay a fee for emissions from the operation of medium air pollution sources. No fee is paid for the operation of small air pollution sources (FMC production and VOLVO crushing plant) under the new Act on Air Pollution Fees.



Equipment containing fluorinated greenhouse gases

Pursuant to the Act No. 286/2009, Coll., on Fluorinated Greenhouse Gases, and Regulation 2024/573 of the European Parliament and of the Council on Fluorinated Greenhouse Gases, JAVYS, a. s. is the operator of multiple equipment containing fluorinated greenhouse gases (F gases). Such gases are mainly found in air conditioning units, current and voltage transformers, switchboards and stationary fire suppression equipment. The operators of equipment which contain F gases provide for regular mandatory inspections of discharged F gases on all such equipment. Inspections are performed by professionally competent individuals. In line with the Act, JAVYS, a. s., sent the annual report on fluorinated greenhouse gases to the relevant District Offices, Departments of Environmental Protection. The report concerned equipment with a volume of 5 and more tonnes of CO₂ equivalent, within the deadline specified by the Act.

Greenhouse gas emissions

JAVYS, a. s., is a mandatory participant in the trading scheme pursuant to the Act No. 414/2012 Coll. on Emissions Trading. In 2025, 22.5 tonnes of greenhouse gases (CO₂) were released into the atmosphere from the operation of the reserve boiler plant and diesel generators. The amount of CO₂ emissions increased slightly compared to 2024 (from 22 tonnes to 22.5 tonnes).

In accordance with the requirements of the Act No. 414/2012 Coll. on Emissions Trading, a report on greenhouse gas emissions from the operation for the year of 2025 was prepared. The report was verified pursuant to the relevant Act by an accredited verifier (ASTRAIA Certification, s.r.o.). The emissions report together with the verification report were sent to the Trnava Municipal Administration and the Ministry of Environment of the Slovak Republic via the EU ETS electronic emission allowance trading system.

Discharges of radioactive substances into the atmosphere

Only fractions of permitted guidance limit values of exhaust gases are discharged into the environment by the nuclear facilities owned by JAVYS, a. s., as confirmed by multiple monitoring measurements. The guidance limit values of discharged radioactive substances were established by decisions of the Public Health Authority of the Slovak Republic, and approved by the Nuclear Regulatory Authority of the Slovak Republic.

Discharged radioactive aerosols (β, γ) in 2025

Nuclear facility	Vol. activity of discharged substances (Bq)	Annual guidance value (Bq)	% of guidance limit
Aerosols VK 46A (MRB)	2.6×10^6 Bq	2.0×10^{10} Bq	0.013
Aerosols VK 46B (Bitum. Line and External buildings)	1.3×10^5 Bq	2.0×10^9 Bq	0.006
Aerosols VK 808 (BRWTC and External buildings)	6.8×10^4 Bq	2.0×10^9 Bq	0.003
Aerosols VK 840 (ISFS)*	1.5×10^5 Bq	3.0×10^8 Bq	0.052
Aerosols V1 NPP	8.3×10^6 Bq	2.0×10^{10} Bq	0.042
Aerosols (FP LRAW)	5.4×10^4 Bq	8.0×10^7 Bq	0.068

* Shared limit value of 3×10^8 Bq applies to all radionuclides produced by ISFS (β, γ included)

No radioactive substances were discharged into the atmosphere from the NRWR premises, due to the nature of the repository.

In 2025, substances discharged from nuclear facilities operated by JAVYS, a. s. into the atmosphere were significantly below the authorized guidance limits specified by the Public Health Authority of the Slovak Republic.



3. WATER MANAGEMENT SYSTEM

In the field of water protection, JAVYS, a. s., complies with the basic legal regulation, i.e. Act No. 364/2004 Coll., on Water, as amended, adopted by the National Council of the Slovak Republic, and with all subsequent related Acts, executive ordinances and regulations. The permitted amounts of discharged wastewater, the concentrations and balance limit values of pollutants in the wastewater, places and methods of wastewater discharge, etc., are defined by applicable decisions of state authorities and regulatory authorities in the field of water protection, and issued for JAVYS, a. s.

Drinking water

Drinking water is supplied to the Jaslovské Bohunice site from the TAVOS, a. s. distribution line, based on a valid drinking water supply contract. The Mochovce nuclear site is connected to the SE, a. s. EMO Plant (SE-EMO) drinking water distribution line. The drinking water supply to the administrative building in Bratislava is provided from the public water mains of Bratislavská vodárenská spoločnosť, a. s.

Amount of drinking water consumed between 2022 and 2025

Lokalita	Consumption (m³)			
	2022	2023	2024	2025
Jaslovské Bohunice	59,034	59,624	64,050	36,974
NRWR Mochovce	402	730	803	404
FP LRAW Mochovce	259	253	267	289
Office building Bratislava	880	908	867	897
SUM TOTAL	60,575	61,515	65,987	38,564

Total drinking water consumption in 2025 decreased by 27,423 m³ compared to last year, which represents a decrease of 41.6%. The decrease in consumption was caused by elimination of leaks in drinking and fire water distribution systems and by reduction in the number of employees of Contractors working on individual projects. At the National Radioactive Waste Repository, consumption was 399 m³ lower in comparison to the year 2024, when the fourth double row of the low+ level RAW repository was being completed. At the Liquid RAW Final Treatment Facility and in the administrative building in Bratislava, consumption was comparable to the previous year.

In company JAVYS, a. s., the quality of drinking water was inspected in accordance with the Decree of the Ministry of Health of the Slovak Republic No. 91/2023 Coll., establishing the indicators and limit values for the quality of drinking water and hot water quality, the procedure for monitoring of drinking water, risk management of the drinking water supply system and risk management of house distribution systems, and in accordance with the Decree of the Ministry of Health of the Slovak Republic No. 45/2024 Coll. on limiting the radiation exposure of residents from drinking water, natural mineral water and water suitable for preparing food for infants. The results of analyses of all samples were in accordance with the limit values set by the Decrees of the Ministry of Health of the Slovak Republic.

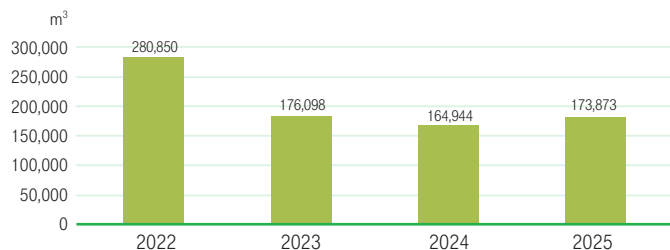
At the analysis of drinking water, there were found 4 samples that exceeded the limit values in the following indicators : volume of manganese and iron, turbidity, conductivity and potassium volume.

Exceeding/ lowering the volume of the above indicators did not affect the health safety of drinking water, therefore the repeated analyses will be done in 2026 in the frame of agreed sampling schedule with an accredited laboratory.

Surface and Cooling Water

Surface water is provided from the Sĺhava reservoir by SE, a. s. V2 Bohunice power plant. Treated surface water is used to cool the V1 NPP systems, RAW and SNF processing and storage facilities (ISFS), to ensure the necessary flow rate in the building 368 for measuring devices. It is the input fluid for production of deionized water, is used to replenish the fire water system and to dilute wastewater when discharging water containing tritium. The amount of surface water taken in 2025 was comparable with previous year.

Consumed cooling water (supplied from the River Váh) 2022 – 2025



The FP LRAW (the bituminization lines and the thickening evaporator) technological facilities are connected to the supply of the non-essential utility water system from the SE-EMO distribution system, i.e. to the cooling water circulation system. The consumption of cooling water reached 1,688 m³ in 2025.

Wastewater

Jaslovské Bohunice site

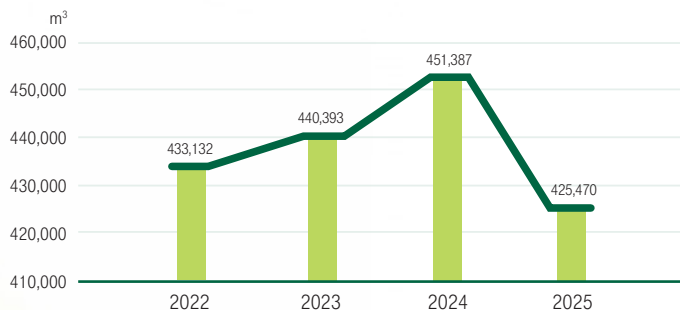
Wastewater from the JAVYS, a. s. site in Jaslovské Bohunice is discharged by a separate sewerage system to the Rivers Váh (water used by technology) and Dudvák (surface drainage water).

Balance of discharged wastewater

Wastewater from the Jaslovské Bohunice site is discharged through the SOCOMAN pipe collector and the Manivier open channel in accordance with the valid decision of the District Office in Trnava No. OU-TT-OSŽP2-2013/00026/GI, the validity of which was extended by decision No. OU-TT-OSZP2-2023/041505-002 until 31st July 2023.

Quality of wastewater discharged into the River Váh recipient is monitored by taking samples collected over a period of 24 hours analysed in an accredited laboratory. Company JAVYS, a. s. is not obliged to measure the quantity and quality of rainwater discharged into the recipient Dudvák.

Amounts of wastewater discharged into the River Váh, 2022 – 2025



According to the results of accredited sampling and analyses of wastewater samples discharged into the Váh recipient, the limit values for the concentration of pollutant in wastewater were not exceeded.



Percentage of Usage Limit of individual contaminants in discharged wastewater 2022 – 2025



Average Concentration of Chemical Pollutants Discharged into the River Váh Recipient

Chemical pollution indicator	Average concentration of discharged contaminants	Permitted concentration (decision OU-TTOSŽP2-2013/00026/GI)
Acidity, alkalinity – pH	7.91	9.00
	mg/l	mg/l
biochem. oxygen consumption – BOC ₅	3.00	8.00
chem. oxygen consumption – ChOC _{Cr}	8.39	30.00
Insoluble substances – IS	2.83	20.00
Soluble substances – SS	293.54	1 000.00
Ammonia – N-NH ₄ ⁺	0.22	4.00
Nitrates – NO ₃	22.93	50.00
Sulphates – SO ₄ ²⁻	31.12	150.00
Chlorides – Cl ⁻	19.87	100.00
Extracted non-polar substances – ENS	0.10	0.35
Total phosphates – P _{TOTAL}	0.43	2.00
Iron – Fe	0.07	2.00
Detergents – PAL	0.06	0.50

NRWR Mochovce site

A rainwater sewage system is installed at the NRWR site. The system of tanks is emptied into the Telinský potok stream. Decision OU-NR-OSZP2-2020/043017-003 issued by the District Office in Nitra permitted the discharge of surface drainage water into the Telinský potok stream. NRWR discharged 2,724 m³ of surface drainage water into the Telinský potok stream in 2025. 155 m³ of sanitary water accumulated in a waterproof cesspool in NRWR were transported to a wastewater treatment plant to be treated.

FP LRAW Mochovce

Sanitary water from FP LRAW is drained into the SE-EMO sewage system, then taken into the wastewater treatment plant and, after its purification, discharged into the environment with SE-EMO water. The rainwater is drained into the SE-EMO rainwater sewage system along with rainfall water from other SE-EMO civil buildings. The sanitary water and rainwater are drained by Slovenské elektrárne, a. s.

Discharges of radioactive substances into the hydrosphere

Only fractions of permitted limit values of discharged liquids are discharged into the environment by the nuclear facilities operated by company JAVYS, a. s., as confirmed by multiple monitoring measurements. The guidance limit values of radioactive substances discharged into surface water by nuclear facilities of JAVYS, a.s. were established by decisions of the Public Health Authority of the Slovak Republic, and approved by the Nuclear Regulatory Authority of the Slovak Republic.

The substances discharged in wastewater are monitored by measuring the volumes of tritium, corrosion and fission products, and the volume of water stored in retention tanks at RAW PTT, A1 NPP, ISFS and V1 NPP, while water discharges are also continuously monitored at measurement points. Water with low values of contaminants also includes water discharged due to the standard operation of the groundwater pumping system from well N-3 (BO 106) permitted by the District Office in Trnava in line with the Act No. 364/2004 Coll. on Water.

Low-level Water Discharge from the Jaslovské Bohunice Site (including water pumped from the recovery pumps at the RAW PTT and A1 NPP Sites) into the River Váh

2025 Volume of discharged water (m ³)	Activities of radionuclides in wastewater of the River Váh recipient							
	V1 NPP site				A1 NPP site, TSÚ RAO, ISFS			
	3,388				187,563			
	Corr. & fiss. prod. (MBq)	Tritium (GBq)	% of CFP guidance limit*	% of Tritium guidance limit*	Corr. & fiss. prod. (MBq)	Tritium (GBq)	% of CFP guidance limit**	% of Tritium guidance limit**
Total	7.62	0.282	0.059	0.014	8.408	40.232	0.07	0.402

* CFP guidance limit: 13,000 MBq; Tritium guidance limit: 2,000 GBq

** CFP guidance limit: 12,000 MBq; Tritium guidance limit: 10,000 GBq

No low-level waters were discharged into the Dudvák recipient in 2025.

Active Water Discharged into the Hydrosphere from NRWR and FP LRAW

Surface drainage water is only discharged from NRWR into the Telinský potok stream. 2,724 m³ was discharged in 2025, with disintegration activity 6.899×10^6 Bq. Limits of volumetric activities of radionuclides in discharged water specified by the decision of the Chief Public Health Officer were not exceeded for any of the indicators monitored in this period.

Quality of rainfall wastewater discharged from NRWR

Radionuclide	Guidance limit (Bq/year)	Disintegration activity in discharged water (Bq)	% of guidance limit
Tritium	1.88×10^{10}	6.82×10^6	0.036
Cs-137	2.28×10^7	4.80×10^4	0.211
Co-60	2.24×10^7	2.40×10^4	0.107
Sr-90	2.44×10^8	6.99×10^3	0.003
Pu-239	5.56×10^5	2.27×10^2	0.041

Secondary active wastewater was not discharged from the FP LRAW facility in 2025.



Groundwater monitoring and protection

Jaslovské Bohunice site

The monitoring and protection of groundwater and soil waters at the Jaslovské Bohunice site and in its surroundings have been carried out since 1997 in accordance with the approved monitoring programme. Long-term and regularly monitored radiation in ground water at RAW PTT and A1 NPP is currently stable. Continuously working recovery pumps on-site have been in operation since 2000. Activities are carried out under the A1 NPP decommissioning project, based on which primary sources of soil contamination, followed by sources of groundwater contamination, were gradually removed. Recovery pumps are operated in compliance with the MoE SR decision in force.

Evaluation of the Standard Operation of the Groundwater Recovery Pumps, Well N-3

Recovery Pumping in 2025	Reached CFP activity [MBq]	[%] of CFP guidance limit*	Reached tritium activity [GBq]	[%] of Tritium guidance limit*	Volume of pumped water (m³)
Total	1.56	0.013	37.57	0.376	185,538

* Guidance limits are specified by decision as follows:

- CFP guidance limit = 1.2×10^4 MBq,
- Tritium guidance limit = 1.0×10^4 GBq.

In addition to the monitoring within the company's site, the surroundings are monitored as well. Based on the groundwater monitoring results in the surroundings of the Jaslovské Bohunice site, it is possible to observe a significant reduction of radiation (reduced tritium volumetric activities to an insignificant level at the natural level) in the surroundings of municipalities Malženice and Žikovce.



NRWR Mochovce site

Within and nearby NRWR, groundwater samples were collected from monitoring wells in line with the monitoring calendar 2025, for the purpose of chemical and radiochemical analyses. Apart from ground water, drainage water is also monitored at NRWR. The volumetric activity of the individual radionuclides in 2025 was below the limit specified by the Chief Health Officer of the Slovak Republic. Drainage water is discharged through rainwater tanks. Its amount and analyses are included in data on discharged water.

Results of Chemical and Radiochemical Analyses of Water

Measured quantity	Activity limit (Bq/l)
Tritium	< 5
Total beta activity	< 1
Cs-137	< 1.25
Co-60	< 0.81
Sr-90	< 0.09
Pu-239	< 0.06

The results of radiochemical analyses reached the level of normal potential values; the environment was not negatively impacted at NRWR and its surroundings during operation.



4. WASTE MANAGEMENT (INACTIVE WASTE)

In the field of waste management, JAVYS, a. s. complied in 2025 with the basic legal regulation, i.e. Act No. 79/2015, Coll., on Waste, as amended, adopted by the National Council of the Slovak Republic, and with all subsequent related acts, executive ordinances and regulations of the Government of the Slovak Republic. JAVYS, a. s. provides waste management by the collection, sorting and accumulation of waste within the premises allocated for such purpose - the Waste Collection Yard.

Balance of Waste Produced from Projects co-financed by the EU

Disposal and recycling of waste produced by activities not implemented by projects co-financed by the EU fall under the competence of JAVYS, a. s. If such activities are provided, the disposal and recycling of such waste is ensured by a contracted supplier.

**Amount and type of waste (category “other”) produced by JAVYS, a. s. in 2025,
within projects not financed by the EU in the locality of Jaslovské Bohunice**

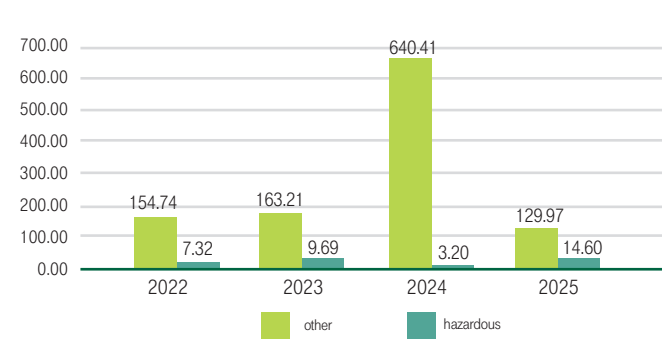
Catalogue Number	Type of Waste	Other waste – name	Amount (t)	Recycled waste	Disposed waste
150101	OO	Paper and cardboard packaging	12.60	✓	
150106	OO	Mixed packaging	4.26	✓	
160214	OO	Discarded equipment not listed under 160209 – 160213	14.38	✓	
170201	OO	Wood	23.89	✓	
170604	OO	Insulation materials not listed under 170601 – 03	36.70		✓
170202	OO	Glass	2.56	✓	
170107	OO	Mixtures of concrete, bricks, tiles, facing material	0.40		✓
200138	OO	Wood other than those mentioned in 20 01 37	1.48	✓	
190809	OO	The mixture of fats and oils from the oil-water separator containing edible oils and fats	22.00	✓	
170904	OO	Mixed construction and demolition waste	11.70		✓
Total amount (t)			129.97	81.17	48.80
Total amount (%)			100 %	62.45 %	37.55 %

**Amount and type of hazardous waste produced by JAVYS, a. s. in 2025,
within projects not financed by the EU in the locality of Jaslovské Bohunice**

Catalogue Number	Type of Waste	Hazardous waste – name	Amount (tonnes)	Recycled waste (tonnes)	Disposed waste (tonnes)
060106	H (Hazardous)	Other acids	0.70		✓
130507	H (Hazardous)	Water containig oil oil-water separators	7.70	✓	
130110	H (Hazardous)	Non-chlorinated mineral hydraulic oils	0.18		✓
130502	H (Hazardous)	Sludge from oil-water separators	0.50	✓	
150110	H (Hazardous)	Packaging containing residues of or contaminated by hazardous substances	0.72		✓
150202	H (Hazardous)	Absorbents, filters (oil filters included), cloths used to clean contaminated hazardous substances	0.04		✓
160213	H (Hazardous)	Discarded equipment containing hazardous parts other than those mentioned in 160209 to 160212	1.16	✓	
160506	H (Hazardous)	Laboratory chemicals which consist of/contain hazardous substances	0.26		✓
160601	H (Hazardous)	Lead-acid batteries	0.94	✓	
080317	H (Hazardous)	Used printer cartridges containing hazardous substances	0.26		✓
200121	H (Hazardous)	Fluorescent tubes and other mercury-containing waste	0.38	✓	
160507	H (Hazardous)	Discarded inorganic chemicals consisting of or containing hazardous substances	1.72		✓
170204	H (Hazardous)	Glass, plastics and wood contain. hazardous substances or contaminated with hazardous substances	0.04	✓	
Total amount (t)			14.60	10.72	3.88
Total amount (%)			100 %	73.42 %	25.58 %



Other and hazardous waste produced at the Jaslovské Bohunice site, unrelated to projects co-financed by the EU 2022 – 2025 (kg)



Total waste production (excluding BIDSF projects) decreased compared to the previous year, as higher waste production in 2024 was caused by reconstruction of buildings and roads in the JAVYS, a.s., Jaslovské Bohunice area.

Balance of Waste Produced within Projects co-financed by the EU

Waste was produced by JAVYS, a. s. in 2025, during Stage 2 of V1 NPP decommissioning, and recycled and disposed of by contractors and sub-contractors engaged in the individual projects.

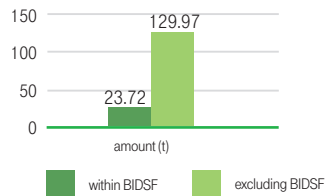
Amount and type of waste (category “other” and “hazardous”) produced by JAVYS, a. s. in 2025, within projects co-financed by the EU

Catalogue Number	Type of Waste	Other waste – name	Amount (tonnes)	Recycled Waste	Disposed waste
170203	OO	Plastics – BIDSF Project D4.4C	7.82		✓
170302	OO	Bituminous mixtures other than those mentioned in 17 03 01 – SIEA D4.7.01	15.90		✓
Total amount (t)			23.72		23.72
Total amount (%)			100%	0%	100%

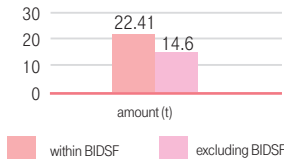
Catalogue Number	Type of Waste	Hazardous waste – name	Amount (tonnes)	Recycled Waste	Disposed waste
190304	H (Hazardous)	Partially stabilized waste - BIDSF Project D4.4C	22.41		✓
Total amount (t)			22.41		22.41
Total amount (%)			100%	0%	100%

Comparison of the amount of other and hazardous waste produced within projects co-financed by the EU, and by in-house production

Compared production in 2025 – other waste



Compared production in 2025 – hazardous waste



Balance of sold recyclable waste

Amount of sold recyclable waste – metals in 2025

Catalogue number	Type of waste	Name of other waste	Quantity (t)	Recycled	Disposed
170402	OO	Aluminum	2.72	✓	
170407	OO	Mixed metals	1,033.22	✓	
170411	OO	Cables other than those in 170410	115.78	✓	
170401	OO	Copper	0.612	✓	
Total amount (t)			1,152.332	1,152.332	
Total amount (%)			100%	100%	0%

In 2025, the sale of recyclable metallic waste was ensured through valid contracts for the provision of services.

Balance of Municipal Waste

Amount of municipal waste produced by JAVYS, a. s. in 2025, at Jaslovské Bohunice and Mochovce site

Catalogue Number	Type of Waste	Waste name	Amount (tonnes)	Recycled waste	Disposed waste
200301	O	Mixed municipal waste - Jaslovské Bohunice	33.54		✓
200301	O	Mixed municipal waste – NRWR in Mochovce	3.28		✓
Total amount (t)			36.82	0	36.82
Total amount (%)			100%	0	100%

Total balance of other and hazardous waste produced in all facilities operated by company JAVYS, a.s. for the years 2023 – 2025

Amount (tonnes)	2023	2024	2025
Recycled waste			
Other waste	209.027	67.339	85.048
Other waste - metallic	1,579.120	1,208.640	1,152.332
Hazardous waste	19.088	2.540	20.720
Total	1,807.235	1,278.519	1,258.100
Amount (tonnes)	2023	2024	2025
Disposed waste			
OW (excluding MW)	162.23	638.29	73.96
Municipal waste (Other waste)	35.56	35.40	36.82
Hazardous waste	4.28	3.30	26.29
Total	202.07	676.99	137.07
Total amount (recycled and disposed)			
Other waste + Hazardous waste (t)	2,009.305	1,955.509	1,395.17

Total waste production in 2025 was lower than the previous year due to less metallic waste and waste from building reconstruction were generated.



5. MANAGEMENT OF CHEMICAL SUBSTANCES

JAVYS, a. s., is, pursuant to the Act No. 67/2010 Coll. on Conditions of Placing the Chemical Substances and Chemical Mixtures into market, a downstream user of chemicals. The application "Management of Chemical Substances" (MCHL) is used to monitor the management of hazardous substances. The application contains a codebook of all chemical substances and mixtures purchased and used in our company as well as imported to JAVYS, a. s. site by contractors and tenants. All chemical substances and mixtures are categorised according

to the Chemical Act, the Water Act and the Act on Prevention of Serious Industrial Accidents. In the application, actual "Safety Data Sheets" are available for employees for each chemical substance or mixture.

JAVYS, a.s. is not classified as category "A" or "B" under Act No. 128/2015 Coll. on the Prevention of Serious Industrial Accidents and on Amendments and Supplements to Certain Acts on the basis of the quantity and characteristics of hazardous substances present at Jaslovské Bohunice site.



6. ENVIRONMENTAL IMPACT ASSESSMENT

The environmental impact assessment is governed by Act No. 24/2006 Coll. on Environmental Impact Assessment, and on amendments and supplements to certain Acts, as amended, adopted by the National Council of the Slovak Republic. The provisions of the Act were implemented into Procedure BZ/OŽ/SM-04 Environmental impact assessment (EIA).

Environmental impact assessment processes

a) Mandatory assessment

In 2025, the process of mandatory impact assessment for the proposed activity ***“V. stage of the A1 NPP de-commissioning and subsequent release of the A1 NPP site from administrative control”***. continued. On 17 January 2025, an environmental impact assessment report was submitted to the Ministry of Environment of the Slovak Republic. On 8 April 2025, the Ministry of the Environment of the Slovak Republic issued and published the final statement No.5791/2025-11.1 in the EIA/SEA information system, against which an appeal was filed by the civic association We Want a Healthy Country on 9 May 2025. Subsequently, the Ministry of the Environment of the Slovak Republic transferred the file material to the appeal processing – the appeal commission. The evaluation process of the proposed activity was not completed in 2025.

In October 2025, the company JAVYS, a.s., sent comments to the Ministry of the Environment of the Slovak Republic on the strategic document Policy, principles and strategy for the use of nuclear energy and ionizing radiation in the Slovak Republic, in December, representatives of JAVYS, a.s., participated in a public discussion on the document.

b) Screening process

In 2025, screening process concerning the change to the proposed activity was carried out ***„II. stage of de-commissioning of the V1 NPP - change in the final state of demolished buildings and modifications to existing buildings within the framework of the implementation of the D4.7.01 project”***.

On 6 August 2025, Notification on the change of the proposed activity was submitted to the Ministry of the Environment of Slovak Republic, for which an oral hearing was held on 10 September 2025.

The binding opinion of Ministry of the Environment of the Slovak Republic from the screening process no. 16180/2025-11.1/pm issued on 26 September 2025 with the decision that the change to the proposed activity will not be assessed.



Activities implemented during the permitting of assessed activities

The implementation and operation of activities that have been assessed in accordance with the Act on Environmental Impact Assessment is only possible under the condition of proving the compliance of the activity implementation with the final opinion from the assessment process or with the decision issued in the screening proceedings. This compliance is demonstrated by developing a written evaluation of the conditions of the final opinion of the Ministry of Environment of the Slovak Republic or the conditions of the decision issued in the fact-finding procedure and attaching it to the application for an activity permit.

In the course of 2024, a written evaluation of the fulfilment of conditions resulting from the final opinions on permitting proceedings was prepared:

1. Issuance of the final inspection permit for the activities of:
 - *“Extension of the National radioactive waste repository in Mochovce for disposal of low-level waste and construction of a repository for very low-level waste” – 4th double row for low-level waste*
 - *Completion of storage capacities of spent nuclear fuel at the Jaslovské Bohunice site – preliminary use of the building*
2. Issuance of the permit to change the demolition permit:
 - *BIDSF D4.2 “Dismantling of contaminated part of concrete from the rooms R003/1.2 and R048/1.2”*
3. Approval of the operating regulation:
 - *PP 12-PLN-001, issue No. 4 “On-site emergency plan of the National Radioactive Waste Repository”*
4. Approval of the nuclear facility modification within the scope of DZM:
 - *Reconstruction of the technological equipment of ČSOV in building 41*

In all binding opinions, the Ministry of Environment of the Slovak Republic confirmed the compliance of the permitting proceedings with the Act No. 24/2006 Coll. and decisions issued pursuant to this Act.

Post-project analysis

A comprehensive post-project analysis was prepared for all assessed activities for the year 2024. The results of the post-project analysis demonstrate their implementation in accordance with the Environmental Impact Assessment Act and decisions issued pursuant to this Act.



7. ENVIRONMENTAL MANAGEMENT SYSTEM

JAVYS, a. s. adheres to the certified environmental management system in accordance with the ISO standard 14001:2015 Environmental Management Systems, to demonstrate it undertook all its activities in 2025 in compliance with the environmental protection requirements.

The functionality and implementation of this system was verified by an independent certification body, Det Norske Veritas GL, on 10 - 12 November 2025, by a recertification IMS audit confirming the validity of internationally acceptable certificates for JAVYS, a. s.

As part of the process approach, the environmental protection is regularly monitored and reviewed by internal IMS audits, which also verify the application of the requirements of the environmental management system. The audits revealed minor findings that were eliminated within the specified deadlines in accordance with the recommendations defined in the IMS audit report. No non-conformity was classified during the audits.

ABBREVIATIONS

AMS	Automated measuring system
As	Arsenic
Bq	Becquerel
BIDSF	Bohunice International Decommissioning Support Fund - V1 NPP
BRWTC	Bohunice Radioactive Waste Treatment Centre
Corg.	Organic carbon
Cd	Cadmium
CO	Carbon monoxide
CO ₂	Carbon dioxide
Co	Cobalt
Cr	Chrome
Cs	Caesium
Cu	Copper
DG	Diesel generator
EIA	Environmental impact assessment
EU ETS	European Union's electronic system for trading emission allowances
EU	European Union
FS KRAO	Final processing of liquid radioactive waste
GBq	Giga Becquerel
³ H	Tritium
HCl	Hydrogen chloride
HF	Hydrogen fluoride
Hg	Mercury
HVB	Main Reactor Building
IMS	Integrated management system
JAVYS, a. s.	Jadrová a vyradovacia spoločnosť, a. s.
NF	Nuclear facility
MW	Municipal waste
CFP	Corrosion and fission products
MBq	Mega Becquerel
Mn	Manganese
ISFS	Interim Spent Fuel Storage

MH SR	Ministry of Health of the Slovak Republic
MoE SR	Ministry of the Environment of the Slovak Republic
LLW	Low-level waste
HP	Hazardous parts
NEIS	National Emission Information System
Ni	Nickel
NL	Hazardous substance
HW	Hazardous waste
NOx	Nitrogen oxides
OW	Other waste
DO	District Office
Pb	Lead
P _{total}	Total phosphate
OF	Operational file
Pu	Plutonium
RAW	Radioactive waste
SE-EBO	Slovenské elektrárne, a. s., Atómové elektrárne Bohunice power plant
SE-EMO	Slovenské elektrárne, a. s., Atómové elektrárne Mochovce power plant
SO ₂	Sulphur dioxide
Sr	Strontium
TAVOS, a. s.	Trnavská vodárenská spoločnosť, a. s.
TI	Tellurium
TSÚ RAO	Facility for treatment and conditioning of RAW
SP	Solid pollutants
NRA SR	Nuclear Regulatory Authority of the Slovak Republic
V	Vanadium
FCC	Fibre-concrete container
FCM	Fibre concrete mixture
SNF	Spent nuclear fuel
VS	Ventilation stack
SAP	Source of air pollution
Env	Environment

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