

Table S1: Medium risk level and corrective measures.

Hazardous event	Consequence and categories	Uncertainty of consequence	Evaluation without control existence			Determination of corrective measures		Control measures
			Probability	Consequences/Impacts	Risk level	Operational	Technical	
Raw water intake by pumping – Mladoňov, Luže a Pod Lesem.								
Danger of contamination seeping from agricultural activities on the surface water	A	PRO	B-PRA	3, S	Medium	Contact with farmers, visual inspection	Installation of water treatment, such as filtration through activated carbon	Raw water quality control
Missing second-level buffer zone, agricultural activity - contamination of the water source with pesticides.	A	NJ	B-VZ	3,S	Medium	Establishment of the second protective zone, assessment of the impact of inappropriate activities on the quality of the source (analysis results, hydrogeological assessment), contacting the managing farmer	Non-use of contaminated sources or the introduction of water treatment technology	More frequent monitoring of already identified parameters
Water accumulation - water reservoir and water treatment with chlorination								
Poor condition of the ventilation system on the water reservoir	A	PRO	C-MPR	3, S	Medium	Cleaning tanks, increasing chlorination when necessary, inspecting outdoor openings and entrances	Installation of new air conditioning , windows, window screens, and air duct modifications.	Regular microbiological water testing
Exceeding the prescribed disinfectant dosage	A	PRO	C-MPR	3,S	Medium	Chlorine network monitoring. Checking the pulse meter on the chlorinator with the number on the PLC	New chlorinator (VDJ 40). Possible purchase of a device for continuous chlorine measurement	Water inspection in accordance with operational regulations or as per consultation with the laboratory

							nt in the network.	
Distribution system and pressure regulation								
Water pipeline malfunction, water leak	A +B	PRO	C-MPR	3, S	Medium	Monitoring and data statistics on the central PLC, construction, and repairs of pipelines according to applicable standards.	Ensuring contingency supply. Adhering to the recovery plan.	Extraordinary laboratory analysis. Provide the fault number on the website for citizens to report faults.