### Geneva Water Hub, PAX and Norwegian People's Aid

## **Protect Water to Protect Civilians**

### Joint Statement for the EWIPA Conference Oslo April 2024

We organisations dedicated to the use of water and environment for peace would like to stress:

> That the *duration and predictability of many of the effects* of use of explosive weapons on water systems is much better known (and worse) than we may have originally thought; and

> We are developing ways to allow this deeper knowledge to fuel the *political will* to protect civilians, and *lead to peace*.

#### A. Our experience tells us:

- The reverberating effects of damage to water and sewage systems endure longer when the *baseline resilience of urban services* is depleted, and full recovery is hampered for decades by constant insecurity or economic sanctions prohibiting import of spare parts.<sup>1</sup>
- 2. The effects of the use of EWIPA last *longer yet* when they reverberate onto people's health. Every municipality in the world instructs engineers to keep water and sewage lines separate, because if they mix, infectious disease like dysentery, typhoid, and cholera will spread like wildfire. Water and sewage lines *do* mix, however, when war comes to town, as has been documented in many places, including Yemen, Iraq, Gaza before 2021<sup>2</sup> in Ukraine<sup>3</sup> and in Gaza currently.<sup>4 5</sup>
- 3. Such outbreaks do not come as surprises. In fact, each of these outbreaks was predicted. *They are foreseeable*. Many of the water-health effects are even in the language of the EWIPA Declaration and drawing from IHL *reasonably* foreseeable<sup>6 7</sup> [EWIPA Declaration 3.4].
- 4. Worse still is when the drinking water source and the wider environment itself gets contaminated through heavy metals or anti-microbial resistance.<sup>8</sup>
  <sup>9</sup> When this happens, the explosions have eroded the means for survival and conditions of life for future generations.

# B. The Geneva Water Hub PAX and NPA therefore welcome (and will continue to work with) states and other actors to:

- Develop the body of knowledge on reverberating effects. (Effects which seemed unreasonable to foresee in 1980 or 2000 are today common knowledge - and indeed part of policy);
- 2. Improve compliance with IHL, by disseminating knowledge like patterns of water and sewage plants into military training manuals;<sup>10</sup>
- 3. Strengthen the legal framework, including blending of Human Rights law into IHL<sup>11</sup> which benefit further by the laws aimed at keeping water and the environment from harm's way;<sup>12 13</sup>
- 4. Perhaps more importantly, create the political will to regulate the use of EWIPA. Here, we stand ready to strengthen international cooperation (EWIPA Declaration 4.1) and the collaborative spirit (EWIPA Declaration 4.7), for instance through the Global Alliance for the Protection of Water from Armed Conflict which will be launched during the Protection of Civilians week in NY in May 2024;<sup>14</sup> and
- 5. The ground-breaking and courageous politicians taking forward EWIPA in their countries.

One last point about *peace*, based on the fact that water lines often cross political borders and contact lines. In many conflicts, water is often the last things belligerents will cut off, for pragmatic reasons. Resuming water services is furthermore often one of the first things enemies or former enemies must coordinate over. This technical dialogue can and has been built upon, 'diplomatised' - for discussions about ceasefires, reparations, accountability – peace.









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#### References

- 1. ICRC 2015. Urban services during protracted armed conflict: a call for a better approach to assisting affected people. Geneva: International Committee of the Red Cross.
- 2. Talhami M, Zeitoun M. 2021. The impact of attacks on urban services II: Reverberating effects of damage to water and wastewater systems on infectious disease. *International Review of the Red Cross*;102(915):1293 325. doi: doi:10.1017/S1816383121000667
- 3. Shumilova O, Tockner K, Sukhodolov A, et al. 2023. Impact of the Russia-Ukraine armed conflict on water resources and water infrastructure. *Nature Sustainability*;6(5):578-86. doi: 10.1038/s41893-023-01068-x
- 4. GWH 2024. Fully Foreseeable: The reverberating effects of war on water and health in Gaza. Geneva: Geneva Water Hub. <u>www.genevawaterhub.org/resources/fully-foreseeable-reverberating-effects-water-and-health-gaza</u>
- 5. Zwijnenburg W 2023. Uninhabitable? The reverberating public health and environmental risks from the war in Gaza
- 6. Robinson I, Nohle E. 2016. Proportionality and precautions in attack: the reverberating effects of using explosive weapons in populated areas. *International Review of the Red Cross*;98(1 (Special Issue on War in Cities)):107-45. doi: 10.1017/S1816383116000552
- 7. ICRC 2022. Explosive Weapons with Wide Area Effects: A Deadly Choice in Populated Areas. Geneva
- 8. Nikolaieva I, Zwijnenburg W 2022. Risks and impacts from attacks on energy infrastructure in Ukraine. Utrecht, Netherlands: PAX.
- 9. Abu Shomar R. Comparative Assessment of Antimicrobial Resistant Bacteria in Reverse Osmosis Desalination and Municipal Water Supply Chains at Healthcare Setting in the Gaza Strip, Palestine. Al-Azhar University and Islamic University of Gaza, 2023.
- 10. US DoD 2023. Civilian Harm Mitigation and Response. Washington DC <u>https://www.defense.gov/News/Releases/Release/Article/3624661/dod-announces-</u> <u>release-of-department-of-defense-instruction-and-website-on-civil/</u>
- 11. Tignino M, Irmakkesen Ö. 2020. The Geneva List of Principles on the Protection of Water Infrastructure: An Assessment and the Way Forward. *International Water Law*;5(2):3 - 104.
- 12. CEOBS 2022. The e Protection of the Environment in Relation to Armed Conflicts (PERAC) legal framework, frequently asked questions <u>https://ceobs.org/perac-principles-frequently-asked-questions/</u> (accessed March 2024)
- 13. Higgins P, Short D, South N. 2013. Protecting the planet: a proposal for a law of ecocide. *Crime, Law and Social Change*;59(3):251-66. doi: 10.1007/s10611-013-9413-6
- 14. GWH. 2024. Global Alliance to Spare Water from Armed Conflicts. Geneva Water Hub, Government of Switzerland, Government of Slovenia: Geneva <u>https://www.genevawaterhub.org/what-we-do/protection-water-during-after-armed-conflict/global-alliance-spare-water-armed-conflicts</u> (accessed March 2025)