

Petr Pospisil

For treatment of AFFF (unused or from drainage), all of the proposed options cannot avoid release of PFAS into the environment with time.

See e.g., <https://www.sciencedirect.com/science/article/abs/pii/S0045653520318543>

Therefore, any method should be first diligently tested on a small scale with evaluation of long term effects, and different methods must be adapted to local conditions.

AFFF gets most likely into the environment in case of fire fighting operations.

Drainage from surfaces where AFFF is applied for fire fighting must be retained as far as possible, with a retainment capacity large enough for fire fighting water from a large fire.

(e.g. roads, ports and airports, industrial facilities etc.)

It is not acceptable that overflow is spilled into the environment, as it is e.g. in current road projects.

Drainage must be adequately treated. Alternatively to adsorption on charcoal or incineration, modern treatment methods should be evaluated. See e.g.,

<https://www.umsicht.fraunhofer.de/de/projekte/pfas-perfluorAd.html>