

## Impact on river water quality by the wildfire in non-decontamination forest in Fukushima Prefecture

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In April 2017, the wildfire occurred in Namie Town, Fukushima Prefecture. The area is included in the difficult-to-return zone due to TEPCO's Fukushima Dai-ichi Nuclear Power Plant accident in 2011. Because forest is not subject to decontamination, it is possible that river water quality is affected by changes of <sup>137</sup>Cs dynamics in catchment after the wildfire. Therefore, we investigate the change of outflow of <sup>137</sup>Cs from the catchment to evaluate the influence of wildfire on the change of river water quality. In this paper, we report the results of <sup>137</sup>Cs and major ion concentrations in the river waters in the study site.

Keywords: wildfire, radiocesium