

## **Table 1. Time course of important Developments Regarding PFAS Exposure and Health Risks.**

Adopted from: Grandjean and Clapp Perfluorinated Alkyl Substances: Emerging Insights Into Health Risks *NEW SOLUTIONS: A Journal Of Environmental And Occupational Health Policy* 2015, Vol. 25(2) 147-163.

Year	Event
1947	PFAS production starts at 3M plant in Cottage Grove, Minnesota
1962	Internal DuPont document raises concerns about health risks
1970	PFAS vapor pressures and water solubilities in chemical handbooks
1978	Unpublished monkey study reveals immunotoxicity and other adverse effects due to PFOA
1980	Organic fluoride determined in serum from production workers
1981	Concern about birth defects in children of female production workers
1987	PFOA carcinogenicity reported in rat study
1993	3M begins to monitor PFOA in serum from production workers Mortality study shows excess occurrence of prostate cancer
1998	Serum from US blood donors shown to contain PFOS
2000	Global dissemination of environmental PFAS contamination documented 3M announces plan to phase out commercial production of PFOS
2005	Extensive drinking water contamination discovered in Minnesota
2008	Health risk limits for PFAS in drinking water are issued  Mouse study shows immunotoxicity at serum PFAS concentrations similar to human exposures
2010	Decrease of PFOA emissions by 95% said to be completed
2011	PFOA induces delayed mammary gland development in mice at low exposures
2012	PFAS immunotoxicity reported in children

(PFOA=Poly-and perfluorinated alkyl substances: PFOS=perfluorooctane sulfanate)