

# Appendix A

## Table 1 – Drinking Water Standards

State	Drinking Water Standard	Compound	Level (ng/L or ppt)
California <sup>1</sup>	Drinking Water Response Levels	PFOA PFOS	10 40
	Drinking Water Notification Levels	PFOA PFOS	5.1 6.5
Connecticut <sup>2</sup>	Drinking Water Action Level	PFHpA, PFHxS, PFNA, PFOS, PFOA	70 (limit for combined total concentration of these chemicals)
Massachusetts <sup>3</sup>	Office of Research and Standards Guideline level for drinking water	PFOS, PFOA, PFNA, PFHxS, PFHpA, PFDA	20 (limit for combined total concentration of these chemicals)
Michigan <sup>4</sup>	Proposed Drinking Water MCLs	PFOA	8
		PFOS	16
		PFNA	6
		PFHxS	51
		GenX	370
		PFBS	420
Minnesota <sup>5</sup>	Drinking Water Guidance Value	PFOS	15
		PFHxS	47
		PFBS	2,000
		PFBA	7,000
		PFOA	35

<sup>1</sup> California State Water Resources Control Board, *Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS)*, [https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/PFOA\\_PFOS.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/PFOA_PFOS.html) (last visited Apr. 13, 2020).

<sup>2</sup> Connecticut Department of Public Health, *Perfluoroalkyl Substances (PFAS) in Drinking Water: Health Concerns* (2017) [https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/dph/environmental\\_health/eoha/Toxicology\\_Risk\\_Assessment/2018-uploads/Perfluoroalkyl-Substances-PFASs-in-DWHealth-Concerns.pdf?la=en](https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/dph/environmental_health/eoha/Toxicology_Risk_Assessment/2018-uploads/Perfluoroalkyl-Substances-PFASs-in-DWHealth-Concerns.pdf?la=en).

<sup>3</sup> Massachusetts Department of Environmental Protection, *Per- and Polyfluoroalkyl Substances (PFAS)*, <https://www.mass.gov/info-details/per-and-polyfluoroalkyl-substances-pfas> (last visited Apr. 20, 2020).

<sup>4</sup> Michigan PFAS Science Advisory Panel, *Scientific Evidence and Recommendations for Managing PFAS Contamination in Michigan* (2018), [https://www.michigan.gov/documents/pfasresponse/Science\\_Advisory\\_Board\\_Report\\_641294\\_7.pdf](https://www.michigan.gov/documents/pfasresponse/Science_Advisory_Board_Report_641294_7.pdf).

<sup>5</sup> Minnesota Department of Health, *Polyfluoroalkyl Substances (PFAS), Safe Levels of PFAS in Drinking Water*, <https://www.health.state.mn.us/communities/environment/hazardous/topics/pfcs.html#health-effects>.

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New Hampshire <sup>6</sup>	Safe Drinking Water Standards	PFHxS	18
		PFNA	11
		PFOS	15
		PFOA	12
New Jersey <sup>7</sup>	Maximum Contaminant Levels (MCLs)	PFNA	13
		PFOA	14
		PFOS	13
New York <sup>8</sup>	Proposed MCLs	PFOA	10
		PFOS	10
North Carolina <sup>9</sup>	Drinking Water Health Goal	GenX	140
Ohio <sup>10</sup>	Drinking Water Action Levels	PFOA, PFOS	70 (limit for combined total concentration of PFOA and PFOS)
		GenX	700
		PFBS	140,000
		PFHxS	140
		PFNA	21

<sup>6</sup> New Hampshire Department of Health Services, *Update on New Hampshire PFAS Drinking Water Standards (MCLs)* (Jan. 10, 2020), <https://www4.des.state.nh.us/nh-pfas-investigation/?p=1185>.

<sup>7</sup> New Jersey Drinking Water Quality Institute, *Health-Based Maximum Contaminant Level Support Document: Perfluorooctane Sulfonate (PFOS)* (2018), <https://www.state.nj.us/dep/watersupply/pdf/pfos-recommendation-appendix-a.pdf>; New Jersey Drinking Water Quality Institute, *Health-Based Maximum Contaminant Level Support Document: Perfluorooctanoic Acid (PFOA)* (2017), <https://www.state.nj.us/dep/watersupply/pdf/pfoa-appendixa.pdf>; N.J. ADMIN. CODE § 7:9C app Table 1 (2018).

<sup>8</sup> New York Department of Health, *Drinking Water Quality Council Recommends Nation's Most Protective Maximum Contaminant Levels for Three Unregulated Contaminants in Drinking Water* (Dec. 2018), [https://www.health.ny.gov/press/releases/2018/2018-12-18\\_drinking\\_water\\_quality\\_council\\_recommendations.htm](https://www.health.ny.gov/press/releases/2018/2018-12-18_drinking_water_quality_council_recommendations.htm); Notice of Proposed Rulemaking to amend Subpart 5-1 of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York, available at: <https://regs.health.ny.gov/sites/default/files/proposed-regulations/Maximum%20Contaminant%20Levels%20%28MCLs%29.pdf>; and Notice of Revised Rulemaking, available at: [https://regs.health.ny.gov/sites/default/files/proposed-regulations/Maximum%20Contaminant%20Levels%20%28MCLs%29\\_0.pdf](https://regs.health.ny.gov/sites/default/files/proposed-regulations/Maximum%20Contaminant%20Levels%20%28MCLs%29_0.pdf).

<sup>9</sup> North Carolina Department of Health and Human Services, *Questions and Answers Regarding North Carolina Department of Health and Human Services Updated Risk Assessment for GenX (Perfluoro-2-propoxypropanoic acid)*, <https://epi.dph.ncdhhs.gov/oeef/pfas/NC%20DHHS%20Health%20Goal%20Q&A.pdf>.

<sup>10</sup> Ohio Department of Health & Ohio Environmental Protection Agency, *Ohio Per- and Polyfluoroalkyl Substances (PFAS) Action Plan for Drinking Water* (2019), <https://epa.ohio.gov/Portals/28/documents/pfas/PFASActionPlan.pdf>.

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Vermont <sup>11</sup>	MCLs	PFOA, PFOS, PFHxS, PFNA, PFHpA	20 (limit for combined total concentration of these chemicals)
Washington <sup>12</sup>	Recommended Drinking Water Action Levels	PFOA PFOS PFNA PFHxS PFBS	10 15 14 70 1300

**Table 2 – Groundwater Standards**

State	Groundwater Standard	Compound	Level (ng/L or ppt)
Colorado <sup>13</sup>	Site-Specific Water Quality Classifications and Standards for Groundwater	PFAS, PFOS	70 (limit for combined total concentration of these chemicals)
Illinois <sup>14</sup>	Proposed Groundwater Standards	PFOA, PFOS  PFBS PFHxS PFNA PFOA PFOS	21 (limit for combined total concentration of PFOA and PFOS)  140000 140 21 21 14
Indiana <sup>15</sup>	Groundwater tap screening level	PFBS	400,000

<sup>11</sup> Environmental Protection Rules, *Chapter 21, Water Supply Rule* (Mar. 17, 2020), <https://dec.vermont.gov/sites/dec/files/dwgwp/DW/Water-Supply-Rule-March-17-2020.pdf>.

<sup>12</sup> Washington Department of Health, Office of Environmental Public Health Services, *Draft Recommended State Action Levels for Per- and Polyfluoroalkyl Substances (PFAS) in Drinking Water: Approach, Methods and Supporting Information* (Nov. 2019), <https://www.doh.wa.gov/Portals/1/Documents/4200/PFASToxicologicalAssessment.pdf>.

<sup>13</sup> Colorado Department of Public Health & Environment, Water Quality Control Commission, *Regulation No. 42 – Site-Specific Water Quality Classifications and Standards for Ground Water*, [https://www.colorado.gov/pacific/sites/default/files/42\\_2018%2806%29.pdf](https://www.colorado.gov/pacific/sites/default/files/42_2018%2806%29.pdf).

<sup>14</sup> Bina Joshi, *Illinois EPA Proposes PFAS Groundwater Standards*, *The National Law Review* (Jan. 3, 2020), <https://www.natlawreview.com/article/illinois-epa-proposes-pfas-groundwater-standards>.

<sup>15</sup> Indiana Department of Environmental Management, *Per- and Polyfluoroalkyl Substances (PFAS)*, <https://www.in.gov/idem/7193.htm> (last visited Apr. 20, 2020); Indiana Department of Environmental Management, Table A-6: 2018 Screening Levels,

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Montana <sup>16</sup>	Groundwater Human Health Standards	PFOS PFOA	70 70
Vermont <sup>17</sup>	Groundwater Enforcement Standard	PFHxS, PFHpA, PFNA, PFOS, PFOA	20 (limit for combined total concentration of these chemicals)
Wisconsin <sup>18</sup>	Proposed Health-Based Groundwater Standards	PFOA, PFOS	20 (limit for combined total concentration of these chemicals)

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[https://www.in.gov/idem/cleanups/files/risc\\_screening\\_table\\_2018\\_a6.pdf](https://www.in.gov/idem/cleanups/files/risc_screening_table_2018_a6.pdf) (last visited Apr. 20, 2020).

<sup>16</sup> Montana Department of Environmental Quality, *Montana Numeric Water Quality Standards* (2019), [https://deq.mt.gov/portals/112/DEQAdmin/PFAS/DEQ-7\\_June2019\\_Final%2060.pdf](https://deq.mt.gov/portals/112/DEQAdmin/PFAS/DEQ-7_June2019_Final%2060.pdf).

<sup>17</sup> Vermont Department of Environmental Conservation, *Chapter 12 of the Environmental Protection Rules: Groundwater Protection Rule and Strategy* (July 6, 2019), <https://dec.vermont.gov/sites/dec/files/dwgwp/DW/2019.07.06%20-%20GWPRS.pdf>.

<sup>18</sup> Wis. Dep't of Health Servs., *Recommended Public Health Groundwater Quality Standards: Scientific Support Documents for Cycle 10 Substances* (June 2019), <https://www.dhs.wisconsin.gov/publications/p02434v.pdf>.