How protective and how transparent is the Canadian government response to the Per- and Polyfluoroalkyl Substances (PFAS)

Class of 'Forever Chemicals' in water, products, and waste?

#### **Petitioners:**

- Fe de Leon (Canadian Environmental Law Association);
- Beverley Thorpe (Clean Production Action);
- Olga Speranskaya (Health and Environment Justice Support);
- Brennain Lloyd (Northwatch); and
- John Jackson (representing Toxics-Free Great Lakes Binational Network).

Supported by the Trout Lake Conservation Association and Nipissing Environmental Watch.

No.	Question	Lead	Response
1	What is the Government of Canada's	Environment	The response will be provided by ECCC.
	timeline for reviewing existing	and Climate	
	exemptions for PFOS, PFOAs, and LC-	Change	
	PFCAs currently included in the	Canada	
	Prohibition of Certain Toxics	(ECCC)	
	Substances Regulations? The 2018		
	consultation document 9 released by		
	the government recommended		
	removing all existing exemptions for		
	PFOS, PFOA and LC-PFCAs. The recent		
	Notice of Intent on PFAS published in		
	April 24, 2021 outlined these		
	exemptions would be finalized in Spring		
	2021. When will these existing		
	exemptions be removed?		
2	How will the Government of Canada	ECCC,	The response will be provided by ECCC and Transport Canada.
	prevent regrettable substitutes for	Transport	
	PFOS, PFOA and LC-PFCAs? In the 2018	Canada	
	consultation document reference is		
	made to the removal of exemptions		
	due to fact that 'alternatives are		
	available globally'. Can the government		

No.	Question	Lead	Response
	clarify if these alternatives are fluorine-		
	free or if they are other PFAS-based		
	substances? Does the Government of		
	Canada intend to promote PFAS-free		
	alternatives to the use of PFOS, PFOA		
	and LC-PFCAs? In particular, what is the		
	rationale for regulations permitting the		
	use of PFOS "in aqueous film forming		
	foam present in military vessels or		
	military firefighting vehicle		
	contaminated during foreign military		
	operations" and LC-PFCAs in aqueous		
	film forming foam used in fire fighting?		
	How is Transport Canada promoting		
	the use of fluorine-free firefighting		
	foams?		
3	Is the Government of Canada	Health	The Government of Canada intends to move forward with activities to
	prioritizing for assessment and	Canada (HC)	address the broad class of per- and polyfluoroalkyl substances (PFAS)
	management the remaining PFAS in the	and ECCC	because scientific evidence to date indicates the PFAS used to replace
	commercial products available in		regulated PFOS, PFOA, and long-chain PFCAs (LC-PFCAs) may also be
	Canada, including PFAS that may be		associated with environmental and/or human health effects.
	used in other products such as		
	firefighting foam and including the		Since 2018, Health Canada's PFAS research includes studying the effects of
	short chained PFAS, which are currently		28 PFAS on liver toxicity and includes both short-chain and long-chain PFAS.
	not included in the <i>Prohibition of</i>		The results to date are published in:
	Certain Toxics Substances Regulations?		
			Reardon AJF, Rowan-Carroll A, Ferguson SS, Leingartner K, Gagne R,
	What research or data has been		Kuo B, Williams A, Lorusso L, Bourdon-Lacombe JA, Carrier R, Moffat
	undertaken by the Government of		I, Yauk CL, Atlas E. Potency ranking of per- and polyfluoroalkyl
	Canada about the risks, effects and		substances using high-throughput transcriptomic analysis of human
	treatment for short-chain PFAS, and		

No.	Question	Lead	Response
	how is this information considered		liver spheroids. Toxicol Sci. 2021 Aug 28:kfab102. doi:
	when evaluating chemicals for inclusion		10.1093/toxsci/kfab102. Epub ahead of print. PMID: 34453843.
	in the <i>Prohibition of Certain Toxics</i>		
	Substances Regulations?		Since 2020, Health Canada also has and continues to undertake research in
			the area of fate and transport of PFAS (including short-chain PFAS: C7-C4) to
			support the assessment and management of PFAS at federal contaminated
			sites. Key internal research reports include:
			<ul> <li>"Perfluoroalkyl Uptake in Foods: A summary of Available Literature" (Intrinsik, 2018).</li> </ul>
			<ul> <li>"Modelling Perfluorooctane Sulfonate (PFOS) Fate and Transport</li> </ul>
			from Soil to Groundwater" (Franz, 2012).
4	How have Environment and Climate	HC and ECCC	' ' '
	Change Canada and Health Canada		address the broad class of PFAS, outlining the federal government's planned
	given consideration to the imposition of		action that will contribute to a class-based approach to addressing PFAS (i.e.,
	a ban of all PFAS chemicals?		considering PFAS as a group rather than taking a substance by substance
			approach). In particular, the Government of Canada will:
	Will Canada develop a PFAS Action Plan		
	to phase out the class of PFAS by 2030		<ul> <li>continue to invest in research and monitoring of PFAS;</li> </ul>
	for all non-essential uses?		collect and examine information on PFAS to inform a class-based
			approach; and
	Does Canada have an ambitious		review policy developments in other jurisdictions.
	timeline to phase out the remaining		
	uses of PFAS that currently have no		Furthermore, in 2023, the Government of Canada intends to publish a State
	available safer substitutes, similar to		of PFAS Report that will summarize relevant information on the class of PFAS
	the approach taken by the European		(e.g., hazard information, exposures).
	Commission in their Chemical Strategy		
	for Sustainability?		These actions described above will address the current knowledge gap and
			should information be identified that indicates potential harm to human

No.	Question	Lead	Response
			health and/or the environment, appropriate risk management measures
			(e.g., regulations) would be taken.
5	How does the <i>Prohibition of Certain</i>	HC	The Prohibition of Certain Toxic Substances Regulations apply to all products,
	Toxic Substances Regulations address		including cosmetics. The Regulations prohibit the manufacture, use, sale,
	cosmetic products containing PFAS,		offer for sale and import of perfluorooctane sulfonate, its salts and its
	particularly imported products?		precursors (collectively referred to as PFOS), perfluorooctanoic acid, its salts,
			and its precursors (collectively referred to as PFOA), and long-chain
	What is the Government of Canada's		perfluorocarboxylic acids, their salts, and their precursors (collectively
	plan and timeline for banning PFAS-		referred to as LC-PFCAs), and products containing them, including cosmetic
	contaminated products from entering		products, with a limited number of exemptions (e.g., incidental presence).
	Canada and for requiring clear labelling		
	and consumer information on products		Future actions, including consideration of labelling and consumer
	which might contain PFAS?		information needs, will be informed by the work outlined in the Notice of
			<u>intent</u> to address the broad class of PFAS and the input and feedback
			provided by stakeholders through that process. Many of the actions
			described have been initiated and, for example, the State of PFAS Report will
			be completed in 2023 to inform further actions.
6	How has Health Canada applied the	HC	The Canada Consumer Product Safety Act (CCPSA) has some of the most
	provisions of the Canada Consumer		stringent regulations for consumer products and chemicals in the world,
	Product Safety Act with respect to		with legislative powers to take action to address product safety issues.
	consumer products that may contain		
	PFAS?		The CCPSA protects the public by addressing or preventing dangers to
			human health or safety that are posed by consumer products in Canada,
	How has Health Canada ensured that		including those that are manufactured, imported, advertised or sold in
	the prohibitions from selling non-		Canada. The general prohibition (section 7 and 8 of the CCPSA) and the
	compliant products are being		regulations made under the CCPSA allow Health Canada to quickly respond
	enforced? Please provide a detailed		to human health risks and to work with industry to remove unsafe products
	description of this program		from the market.
	implementation and available data to		
	confirm compliance.		When a risk is identified, Health Canada can take appropriate compliance
			and enforcement action, which can include:

No.	Question	Lead	Response
			<ul> <li>recall dangerous products from the Canadian market whether available online or in store;</li> <li>issue country-wide public advisories to inform Canadians through various platforms (e.g., website, email and social media channels) of dangers posed by harmful products. These advisories include actions Canadians can take to minimize any health risk to humans; and</li> <li>work in collaboration with the Canada Border Services Agency to prevent the import of prohibited, dangerous and non-compliant products.</li> </ul>
			As previously mentioned, PFOS, PFOA, and LC-PFCAs are regulated under the Canadian Environmental Protection Act, 1999 through the Prohibition of Certain Toxic Substances Regulations. Therefore to date, exercising the authorities under CCPSA consumer products that may contain other PFAS has not been needed.
			For more information about Health Canada's approach to verifying compliance with the CCPSA and its regulations, please consult the Consumer Product Safety Program policy on compliance verification projects: Industry guide. The results of the CCPSA Compliance and Enforcement activities since 2015 can also be found in Consumer Product Enforcement Summary Reports.
7	How have the responsible departments – Environment Canada and Climate Change, Health Canada, Transport Canada and the Department of National Defence – identified potential sites of PFAS contamination?	ECCC, Department of National Defence (DND), Transport	Health Canada does not have the mandate to identify contaminated sites. Under the Federal Contaminated Sites Action Plan (FCSAP), Health Canada is an Expert Support Department, and provides advice, training and tools related to human health in support of the assessment and risk management of legacy contamination at federal contaminated sites. This includes sites that may be contaminated by PFAS or other substances.

No.	Question	Lead	Response
	Please provide each Departments'	Canada and	
	criteria for investigation, and a list of	HC	
	sites clearly depicted on a map or with		
	GIS coordinates which have been		
	identified as confirmed or potential		
	sites of PFAS contamination.		
8	What data is available from monitoring	ECCC, DND,	PFAS data in humans is available for PFOS, PFOA, perfluorobutanoic acid
	programs undertaken by or on behalf	Transport	(PFBA), perfluorobutane sulfonate (PFBS), perfluorohexanoic acid (PFHxA),
	of Environment Canada and Climate	Canada and	perfluorohexane sulfonate (PFHxS), long-chain perfluoroalkyl carboxylic
	Change, Health Canada, Transport	HC	acids (such as perfluorononanoic acid [PFNA], perfluorodecanoic acid
	Canada and the Department of		[PFDA], and perfluoroundecanoic acid [PFUnDA]).
	National Defence to detect or measure		
	the levels of PFOS, PFOA, and LC-PFCAs		This data has been collected as part of the Canadian Health Measures Survey
	or any other PFAS in Canada?		(CHMS), Canadian Drinking Water Survey, Northern Contaminants Program
	How do each of the departments make		(NCP) and Maternal-Infant Research on Environmental Chemicals (MIREC)
	the data, results and findings from		study.
	monitoring programs available to the		
	public and to local health agencies?		The results, findings and data are publicly available through scientific
	What other environmental and health		literature, and national and international summary reports, as listed below:
	monitoring has been completed on		AMAP Assessment 2015: Human Health in the Arctic. Arctic Monitoring
	PFAS beyond those in the PFOS, PFOA		and Assessment Programme (AMAP) // Oslo, Norway/ vii + 165 pp. //–
	and LC-PFCAs?		URL: https://www.amap.no/documents/doc/AMAP-Assessment-2015-
	Please provide the data, particularly for		Human-Health-in-the-Arctic/1346 (access date: 09.09.2019).
	landfills, drinking water sources and		Caron-Beaudoin É, Ayotte P, Blanchette C, Muckle G, Avard E, Ricard S,
	wildlife monitoring.		Lemire M. Perfluoroalkyl acids in pregnant women from Nunavik
	How is this data released or made		(Quebec, Canada): Trends in exposure and associations with country
	available to local health agencies and to		foods consumption. Environ Int. 2020 Dec;145:106169. doi:
	the public? Please specify if the data is		10.1016/j.envint.2020.106169. Epub 2020 Oct 9. PMID: 33041046.
	publicly and freely available and how it		Fisher M, Arbuckle TE, Liang CL, Leblanc A, Gaudreau E, Foster WG, et al.
	can be accessed.		Concentrations of persistent organic pollutants in maternal and cord

No.	Question	Lead	Response
			<ul> <li>blood from the maternal-infant research on environmental chemicals (MIREC) cohort study. Env Heal. 2016;15:1–14.</li> <li>Garcia-Barrios J, Drysdale M, Ratelle M, Gaudreau É, LeBlanc A, Gamberg M, Laird BD. Biomarkers of poly- and perfluoroalkyl substances (PFAS) in Sub-Arctic and Arctic communities in Canada. Int J Hyg Environ Health. 2021 Jun;235:113754. doi: 10.1016/j.ijheh.2021.113754. Epub 2021 May 10. PMID: 33984600.</li> <li>Government of Canada. 2018. Canadian Arctic Contaminants Assessment Report. Human Health Assessment 2017. Curren, MS (Editor). Catalogue: R74-2/4-2017E-PDF. ISBN: 978-0-660-08172-4. Her Majesty the Queen in Right of Canada, 2018. Available from: https://science.gc.ca/eic/site/063.nsf/eng/h_97662.html</li> <li>Kubwabo, C., Lalonde, K. 2012. A survey of selected perfluorinated compounds in Canadian untreated source and finished drinking water. In: Organohalogen Compounds 74: 804-808. http://dioxin20xx.org/wp-content/uploads/pdfs/2012/1205.pdf</li> </ul>
			The CHMS results are summarized in reports that are posted on the Government of Canada's website (canada.ca/biomonitoring) and are available in CSV format through the Government of Canada's Open data portal (https://open.canada.ca/data/en/dataset/8cc88229-8132-4ccd-a3dd-b456579158c6).
			Additionally, the findings from the CHMS 5 <sup>th</sup> cycle were presented to external stakeholders, including provincial and territorial and nongovernmental organizations, during a targeted briefing that included data specific to PFAS. CHMS results were also made available at the Canadian Public Health Association Conference (CPHA), the Ontario Public Health Association Convention (TOPHC) and the "Journées annuelles de Santé publique" (JASP) in 2017, 2018, and 2019 (in-person activities were suspended in 2020 and 2021 due to the COVID-19 pandemic).

No.	Question	Lead	Response
			Over the period of 2011 to 2014, the Environmental Sciences Group at the Royal Military College undertook a project under contract with Health Canada. The project investigated data gaps and uncertainties in field collection protocols (e.g., groundwater collection methods, sample size) and laboratory analytical methods for analyzing PFAS in soil and groundwater. Samples for this project were collected from various Department of National Defence PFAS sites. The results of the sampling and analytical procedures were presented in an internal contractor report.
9	In how many instances have each of Environment Canada and Climate Change, Health Canada, Transport Canada and the Department of National Defence requested extensions of up to 300 days to reply to Access to Information requests from the public when those requests pertain to reports, studies or monitoring results that are complete and/or have been the subject of issued statements by that Department? Please provide specifics.		Health Canada had one Access to Information request file since August 10, 2016 that identifies PFAS or "forever chemicals" within the request text, and for which an extension up to 300 days was taken.
10	What data and scientific reports were used by Health Canada to establish the drinking water guidelines / standards for PFOA and for PFOS?  Did Health Canada use the risk assessment results on these PFAS completed under CEPA to establish the drinking water guidelines /standards for Canada?	НС	Health Canada reviewed and assessed all identified health risks associated with PFOA and PFOS in drinking water to develop the Canadian Drinking Water Quality Guidelines for PFOS and PFOA. These assessments incorporate available studies from scientific peer-reviewed journals and reports from various international organizations and governmental agencies, including CEPA assessments. The full list of references is in the published guideline technical documents for PFOS and PFOA.  The science on PFAS is complex and still emerging, and Health Canada is reviewing all the relevant scientific information to update the drinking water

No.	Question	Lead	Response
No.	Does Health Canada intend to update the guidelines based on current and emerging scientific knowledge of health impacts?  What is Health Canada's plan and timeline for establishing guidelines / standards for the remaining PFAS chemicals?  Why do Canadian drinking water guidelines and standards differ significantly from other jurisdictions with more stringent levels? For	<b>Lead</b> HC	Response guidelines for PFOS, PFOA and the nine screening values for select PFAS. In line with the recently published Notice of Intent to address the broad class of PFAS, Health Canada is considering approaches that would address PFAS as a class in drinking water safety. Health Canada is committed to updating its Canadian Drinking Water Quality Guidelines, its screening values and developing new technical guidance as the science evolves and more information becomes available.  In collaboration with our federal, provincial and territorial partners, and with opportunities for public consultation, Health Canada is working to develop additional guidance for PFAS in drinking water in the next two years and is anticipating revisions to the Guidelines for select PFAS in three to four years.  Health Canada and the United States Environmental Protection Agency work collaboratively by sharing information and leveraging experiences and research on contaminants in drinking water, including PFAS. More broadly, Health Canada has strong partnerships internationally and is designated as a
	example, please provide a supporting rationale for why Health Canada established a Drinking Water Maximum Acceptable Concentration of 0.200 ug/L for PFOA and 0.600 ug/L for PFOS in comparison to the US Environmental Protection Agency (EPA) DW Lifetime health advisory of 0.070 ug/L for each of PFOA and PFOS?		World Health Organization Collaborating Centre for Water Quality.  The US EPA's approach and methods to set health advisory levels differ from those used by Health Canada to establish Canadian Drinking Water Quality Guidelines for multiple reasons. For example, the US EPA uses the body weight and water consumption for specific characteristics and considerations for their populations, which are different from the Canadian population values. In addition, the Canadian Drinking Water Quality Guidelines are developed with consideration to the feasibility of drinking water treatment. The approach for the US health advisories does not include these considerations. As a result of the population differences and considerations in development, the Canadian and US values are difficult to compare.

No.	Question	Lead	Response
			The assessment of health effects related to PFOS and PFOA, and the larger
			class of PFAS, is a complex and emerging area of science. To account for this,
			based on available science, Health Canada adopted a conservative approach
			by selecting the health effect (liver effects) that was observed at the lower
			level of exposure in deriving the Guidelines, and used average water
			consumption for a Canadian adult (1.5 L/day) and uncertainty factors
			proportional to the state of the science. The US EPA chose a different health
			effect as a basis of its Health Advisory, additional safety factors, and a higher
			average daily consumption rate of (3.78L/day).
12	What recent research has been		Health Canada has been actively carrying out research on the effect of PFAS
	undertaken with respect to the effect		exposure on the health of Canadians since 2008. Key projects are listed
	of PFAS exposure on the health of		below, along with references to publications and reports. In addition to
	Canadians, and how and where are		presenting the research findings at scientific forums and publishing them in
	those research findings made available		scientific peer-reviewed journals whenever possible, Health Canada
	to Canadians in general and to public		publishes an annual <u>Compilation of Research Abstracts</u> that is accessible
	health agencies in particular?		online. The Government of Canada also publishes the <u>CEPA annual report</u>
	Does Health Canada have a plan to		that contains a compilation of various scientific abstracts summarizing
	update their health impact information		research initiatives across many federal departments.
	and if so, how will this be		Below is a summary of relevant Health Canada research:
	communicated to the public?		Health Canada launched a research project to model the dose-response
			behavior of various PFAS in the Canadian population. The model is
			expected to provide regulators and scientists a tool to predict the
			exposure across different PFAS forms and identify potential markers of
			altered immune functions.
			Health Canada is also conducting research to evaluate the health risk
			posed by PFAS exposure on the liver, as it is one of the main targets of
			PFAS toxicity. Using this approach, the potency of 28 PFAS were ranked.
			The results were recently published in Toxicological Sciences:

No.	Question	Lead	Response
			<ul> <li>Reardon AJF, Rowan-Carroll A, Ferguson SS, Leingartner K, Gagne R, Kuo B, Williams A, Lorusso L, Bourdon-Lacombe JA, Carrier R, Moffat I, Yauk CL, Atlas E. Potency ranking of per- and polyfluoroalkyl substances using high-throughput transcriptomic analysis of human liver spheroids. Toxicol Sci. 2021 Aug 28:kfab102. doi: 10.1093/toxsci/kfab102. Epub ahead of print. PMID: 34453843. (see b i) response for lay summary)</li> <li>Rowan-Carroll A, Reardon A, Leingartner K, Gagné R, Williams A, Meier MJ, Kuo B, Bourdon-Lacombe J, Moffat I, Carrier R, Nong A, Lorusso L, Ferguson SS, Atlas E, Yauk C. High-Throughput Transcriptomic Analysis of Human Primary Hepatocyte Spheroids Exposed to Per- and Polyfluoroalkyl Substances as a Platform for Relative Potency Characterization. Toxicol Sci. 2021 May 27;181(2):199-214. doi: 10.1093/toxsci/kfab039. PMID: 33772556.</li> </ul>
			<ul> <li>Health Canada has also evaluated the potential effects of PFAS exposure during pregnancy on maternal and child health outcomes including gestational weight gain, high blood pressure, gestational diabetes, infertility, low birth weight, and newborn markers of immune system development and metabolic function. These findings are published in scientific journals and lay abstracts are available on the Maternal-Infant Research on Environmental Chemicals (MIREC) website (<a href="http://mirec-canada.ca">http://mirec-canada.ca</a>).</li> <li>Ashley-Martin J, Dodds L, Arbuckle TE, Bouchard MF, Fisher M, Morriset A-S, et al. Maternal Concentrations of Perfluoroalkyl Substances and Fetal Markers of Metabolic Function and Birth Weight. Am J Epidemiol. 2017;185(3).</li> <li>Ashley-Martin J, Dodds L, Arbuckle TE, Morisset A-S, Fisher M, Bouchard MF, et al. Maternal and neonatal levels of</li> </ul>

No.	Question	Lead	Response
			perfluoroalkyl substances in relation to gestational weight gain. Int J Environ Res Public Health. 2016;13(1).  Ashley-Martin J, Levy AR, Arbuckle TE, Platt RW, Marshall JS,
			Dodds L. Maternal exposure to metals and persistent pollutants and cord blood immune system biomarkers. Environ Heal A Glob Access Sci Source. 2015;14(1)
			<ul> <li>Borghese MM, Walker M, Helewa ME, Fraser WD, Arbuckle TE.         Association of perfluoroalkyl substances with gestational         hypertension and preeclampsia in the MIREC study. Environ Int         [Internet]. 2020;141(March):105789. Available from:         https://doi.org/10.1016/j.envint.2020.105789</li> </ul>
			<ul> <li>Shapiro GD, Dodds L, Arbuckle TE, Ashley-Martin J, Ettinger AS, Fisher M, et al. Exposure to organophosphorus and organochlorine pesticides, perfluoroalkyl substances, and polychlorinated biphenyls in pregnancy and the association with impaired glucose tolerance and gestational diabetes mellitus: The MIREC Study. Environ Res. 2016;147.</li> <li>Vélez MP, Arbuckle TE, Fraser WD. Maternal exposure to perfluorinated chemicals and reduced fecundity: The MIREC</li> </ul>
			<ul> <li>study. Hum Reprod. 2015;30(3):701–9.</li> <li>MIREC-related projects are underway to examine:</li> </ul>
			<ul> <li>personal care product use during pregnancy (cosmetics, lotions, hair products) and maternal PFAS concentration.</li> </ul>
			<ul> <li>PFAS concentrations during pregnancy and maternal and child antibody response to vaccines.</li> </ul>
			<ul> <li>PFAS concentrations during pregnancy and maternal lipid levels.</li> </ul>
			<ul> <li>A project using data from the Plastics and Personal Care Product use in Pregnancy (P4) study to examine PFAS concentrations in milk in relation to personal care product use is underway.</li> </ul>

No.	Question	Lead	Response
	question		<ul> <li>Health Canada researchers have also planned a study to look at the associations between PFAS exposure and menopause.</li> <li>As noted in the Notice of intent to address the broad class of PFAS, Health Canada and Environment and Climate Change Canada will publish a State of PFAS report within the next two years. It will provide updated health information on the broader class of PFAS. This report will be published on the Government of Canada's website. In addition, Canada recently nominated LC-PFCAs to the Stockholm Convention on Persistent Organic Pollutants. As part of this process, Health Canada and Environment and Climate Change Canada provided an update of ecological and health impact information, which is available online. Health Canada also published a summary of health impacts.</li> </ul>
13	What research is underway with respect to potential links between PFAS and COVID-19, and other vaccines? How does Health Canada intend to communicate the findings of this research to COVID-19 researchers and science advisory groups in Canada?	HC	At this time, Health Canada has not undertaken research to investigate the link between PFAS and COVID-19; however, as noted in response to Q12, a Maternal-Infant Research on Environmental Chemicals (MIREC) related project is underway to investigate PFAS concentrations during pregnancy and antibodies to the following common live vaccines: measles, mumps, rubella, and varicella (chickenpox).  To the best of our knowledge, there is no intentional use of PFAS in vaccine production. The submission packages that Health Canada reviewed for COVID-19 vaccine authorization did not contain multivariate studies on exposure to chemicals such as PFAS and the effectiveness of vaccines.  Health Canada and the Public Health Agency of Canada monitor the safety and effectiveness of vaccines following their authorization, and will update Canadians with any new information in this regard.

No.	Question	Lead	Response
14	How does CEPA and its regulations	ECCC and	The response will be provided by ECCC and Transport Canada.
	apply to the movement of waste	Transport	
	containing PFAS into Canada from US	Canada	
	and other countries? What information		
	is collected and made available to the		
	public regarding the origin, quantity,		
	frequency, treatment and disposal of		
	these wastes? Please explain and		
	provide supporting information.		