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PFAS added to TRI through the National Defense Authorization Act

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.











PFAS Threshold

- The manufacturing, processing, and otherwise use thresholds for each of the listed PFAS is 100 pounds.
- PFAS are each listed individually, not as a chemical category;
- Facilities should review manufacturing, processing, and otherwise use of each TRI-listed PFAS individually to determine if thresholds are met.



Determining if a material contains PFAS

If your facility processed or otherwise used mixtures or other trade name products during the calendar year, you are required to use readily available data (or reasonable estimates if such data are not readily available) to determine whether the toxic chemicals in a mixture meet or exceed the de minimis concentration and, therefore, whether they must be included in threshold determinations and release and other waste management calculations.



De Minimis (cont'd)

- ► Note that once a listed toxic chemical concentration is above the appropriate de minimis concentration, threshold determinations and release and other waste management calculations must be made, even if the chemical later falls below the de minimis level in the same process stream. Thus, a facility cannot dilute the concentration of a chemical in order to qualify for the de minimis exemption.
- However, if a facility manufactures PFAS and then incorporates the PFAS into a mixture below the de minimis concentration level and sells this mixture to another facility, the recipient facility may consider the de minimis exemption from TRI reporting as part of its use or further distribution of the PFAS.



Using Supplier Notifications:

- Certain suppliers are required to provide annual written notification if a product contains TRI-listed chemicals. Supplier notifications may be considered among a facility's data sources for determining TRI reporting requirements and release and waste management quantities. Supplier notification may be provided on a Safety Data Sheet (SDS) or may take other forms such as a letter, product labeling, or product literature.
- Some TRI-listed PFAS have been reported to the Chemical Data Reporting (CDR) program during the 2012 and 2016 reporting cycles. Note that certain sites may have made a confidential business information claim to protect its identity and thus any such site is not included on this list.



Many federal facilities send their hazardous waste containing EPCRA section 313 chemicals to off-site TSD facilities. If a federal facility is reporting these toxic chemicals on a Form R report, what is the facility's obligation to ascertain the final, known disposition of the EPCRA section 313 chemical for purposes of choosing a waste management code in Part II, section 6.2.C.?

► The federal facility is required to use the best data available at the facility to identify the final, known disposition of an EPCRA section 313 chemical that it is reporting on a Form R report for the purpose of entering a waste management code in Part II, section 6.2.C of the Form R. While obtaining additional information from the off-site location concerning the fate of the particular EPCRA section 313 chemical is not required, it is certainly an option for facilities who lack a complete understanding of the final disposition of an EPCRA section 313 chemical in a waste sent off-site.



A facility manufactures firefighting and fire protection equipment. The facility has a training school on how to use that equipment. As part of the training school, on-site fires are set using gasoline containing benzene, a listed toxic chemical. For Section 313 threshold determinations, would this be an otherwise use of benzene, or would this use be exempt as product testing under the laboratory exemption? (40 CFR Section 372.38(d))

- The benzene would be considered otherwise used for the Section 313 threshold determination since the benzene is being used in a non-incorporative activity in order to train individuals to use equipment. The laboratory activity exemption is intended to cover activities in a laboratory (e.g., product testing) under the supervision of a technically qualified individual. Training is not considered product testing nor research and development and thus would not be exempt under the laboratory activities exemption.
- Question 405



Chemicals present in fire suppression equipment that is disposed

Sending TRI chemicals off-site for disposal does not constitute otherwise use by the facility that sent it. However, the facility receiving and managing the waste for the purposes of disposal or other waste management (e.g., a hazardous waste treatment and disposal facility) is considered to be otherwise using those chemicals, per <u>the definition of otherwise use in the TRI Reporting Forms and Instructions Section B.3.a</u>.

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A covered manufacturing facility removes PCB-laced oil that was contained in its on-site transformers. Would this activity be considered processing or an otherwise use of the PCBs, a listed toxic chemical, if the facility only extracts the PCB to dispose of it off-site?

- If the PCB-laced oil is removed from an on-site transformer for disposal and is not replaced with clean PCB-laced oil, this would not be considered processing or an otherwise use. Removal of a toxic chemical from an article for disposal does not constitute a process or otherwise use activity. Therefore, this activity would not be subject to threshold determinations and release and other waste management reporting under EPCRA section 313.
- Question 195

Future Changes that may Affect Reporting of PFAS to TRI

- Additional PFAS may be added to the TRI list for future reporting years due to the automatic addition of PFAS to the TRI list mandated by NDAA Section 7321(c) that occur under certain circumstances:
- ▶ EPA finalizing a toxicity value for a PFAS;
- issuing certain Significant New Use Rules (SNURs) under TSCA for a PFAS, or adding a PFAS to certain existing SNURs;
- adding a PFAS as an active chemical on the TSCA Inventory.

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Future Changes that may Affect Reporting of PFAS to TRI

For PFAS with an identity that is subject to a claim of protection from disclosure, Section 7321(e) of the NDAA requires that EPA must follow a process before any such PFAS is added to the TRI list. Therefore, any PFAS that meets the automatic listing criteria discussed above, but is subject to a claim of protection from disclosure, must first go through this review process before being added to the TRI list.

Future Changes that may Affect Reporting of PFAS to TRI

- ► The NDAA also directs EPA to determine whether certain PFAS are TRI-listable, based on the listing criteria in EPCRA Section 313, by December 19, 2021, and then to add any such PFAS no later than two years after EPA makes the determination.
- Therefore, the list of TRI-reportable PFAS may expand in the future. For any future changes to the list of PFAS included on the TRI, EPA will update web materials and the TRI chemical list.

