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| **2019 SBO/SBEAP NSC Technical Subcommittee** | |
| **June 18, 2019**  **1 pm CST (2 pm EST)** | |
| **Join from PC, Mac, Linux, iOS or Android:**  <https://ksu.zoom.us/j/613370493> | **Or Telephone:**     +1 (646) 876-9923 or +1 (669) 900-6833  **Meeting ID:** 613 370 493 # |
| **AGENDA** | |
| **Tech-Subcommittee:** <https://nationalsbeap.org/sbeap/resources/subcommittees/technical>    **Effluent Limitations Guidelines and Pretreatment Standards 101**  Phillip Flanders of the EPA Engineering and Analysis will be presenting on Effluent Guidelines and Pretreatment. This will cover both pretreatment standards for indirect dischargers and effluent guidelines for direct dischargers. As such, this would include NPDES permitting and also the pretreatment standards prior to being sent to a POTW.  **Phillip Flanders** is an Environmental Engineer with the U.S. Environmental Protection Agency's Engineering and Analysis in Washington, D.C.  He works on technology-based wastewater treatment regulations called effluent guidelines for direct dischargers and pretreatment standards for indirect dischargers. He has experience working on several industries including metal finishing, steam electric power generation, and petroleum refining. In addition, he is the lead for effluent guidelines planning process in which the EPA screens discharge and wastewater treatment technology data to prioritize industrial categories for further review.    His background is in science and engineering. He graduated from Rose-Hulman Institute of Technology with a B.S. in chemical engineering and chemistry and from Johns Hopkins University with an M.S.E. and Ph.D. in environmental engineering focusing on aquatic and environmental chemistry. He is a licensed Professional Engineer in the District of Columbia.  Attendees and Notes:  Phillip Flanders –EPA (Presenter)  Lynelle Ladd, John Podolinsky, Renee Bashel, Derek Bozzell, Lee Ann Briggs, Jenifer Dixon, Lisa Stobierski, Belinda Breidenbach, Emily Ohde, Angela Taylor, Donovan Grimwood, Chyrstal Wagner, Jennifer Feyerherm, and Mark Stoddard.  Presentation was recorded. See recording for specific details of presentation.  Presentation by Phillip Flanders focusing on Effluent Limitation Guidelines and Pretreatment Standards.  Effluent Limitation Guidelines (ELGs) are the baseline standard. New source standards tend to be more stringent. There are ELGs for about 60 industries and every other year the EPA must publish a plan to keep the ELGs current. This is a continuous cycle that starts with the stakeholders. The end goal for this two year cycle is to keep up with the Best Available Technology that is also economically feasible. There are 4 factors that are prioritized, including performance, availability, and cost.  From the question and answer portion of the presentation, the PFAS action plan is still being worked on to address the emerging concern related to PFAS. Also, there was a discussion on the Wet Test which is a water quality basis for standards that is more specific to an area. There is a EGL for metal finishing that is available on the EPA website. The standards are based on three measurements: mg/L, concentration, and production standards. For example, Aluminum forming has a production standard as does plate glass making.  <https://www.epa.gov/eg>  <https://www.epa.gov/eg/effluent-guidelines-plan> | | |
| **Future topics:**   * **July 16:** Encamp Compliance Calendar - Brandon Barlow and Luke Jacobs, Encamp * **August 20:** Hazardous Waste Pharmaceuticals - Kristin Fitzgerald, EPA * **September 17:** Energy Extraction Portal - George Cushnie, Compliance Assistance Center & possibly a representative from a couple of states * **October 15:** Environmental Impacts from Cannabis production and distribution – Kaitlin Urso, CO   **Next Call: July 16, 2019**  1 pm CST (2 pm EST) (3rd Tuesday of month) | | |