Message

From: Walker, Stuart [Walker.Stuart@epa.gov]
Sent: 8/4/2021 4:08:21 AM
To: Openchowski, Charles [openchowski.charles@epa.gov]; Anderson, RobinM [Anderson.RobinM@epa.gov]
Subject: draft email - cheat sheet for Oak Ridge risk based discharge limits
Attachments: fed fac Oak Ridge cheat sheet 8.4.21.docx

Importance: High

I finished the Oak Ridge cheat sheet. I added in the additional 19 radionuclides that DOE had listed in the WAC for the ROD, and 4 more daughter radionuclides that posed more risk than one of the 19 parents. Below is a draft email I would send to Carlton/Barry.

Hello Carlton and Barry,

Per your request from our discussion on July 30, I am attaching a cheat sheet on the Oak Ridge risk assessment regarding discharge limits into Bear Creek. I have broken the cheat sheet into 2 parts:

1. **Issues with DOE Discharge Limits in 2021 FS Appendix K** – explains how DOE came up with proposed discharge limits in the Focused FS and why their approach is incorrect for complying with the Clean Water Act's Water Quality-Based Effluent Levels (WQBELs) as an ARAR at Bear Creek.
2. **Instructions for DOE** – provides an explanation on how DOE should develop WBELs and discharge limits for Bear Creek.
    a. **Approach** - Describes the general procedure DOE should be taking.
    b. **Methods** – Describes the input parameters DOE should be using when running the EPA PRG calculator when developing WBELs.
    c. **Results** – Provides a table of WQBEL and discharge limits I developed using the CWA methodology with the EPA PRG calculator. The table assumes that DOE does not conduct a fish consumption study to support revising the default fish consumption rate with site-specific information.

Please let me know if you have any comments or questions.