Koch, Kristine

From: Koch, Kristine
Sent: Tuesday, March 10, 2015 2:16 PM
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Subject: Dioxin/Furan RALs
Attachments: RALCOCpctdetRAL.XLSX; Final-DF-RALs_2015-03-09.xlsx; TCDD_PeCDD_PeCDF_RALCurves_2015-03-09_1756.pdf; D-F-Congeners-COCs-Comparison-2015-03-09.pdf; TCDD_withSampleLocations_2015-03-09.pdf; PeCDD_withSampleLocations_2015-03-09.pdf; PeCDF_withSampleLocations_2015-03-09.pdf; TCDD_PeCDD_PeCDF_RALCurves_aboveSWACFloor_2015-03-09_1802.pdf

Bob and Jim,

EPA has evaluated the RALs for dioxin/furans based on data density and detection limits. We have come to the following conclusions that we will discuss further with you on Thursday 3/12.

1) EPA is retaining three dioxin/furan congeners for RAL development: 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, and 2,3,4,7,8-PeCDF.
2) TCDD RALs
    - The same 5 samples were identified for RALs B, C and D; thus, the D RAL will be used for all 3 alternatives.
    - The F and G RALs have too many non-detects greater than the RALs and the acres/sample based on data density exceed acceptable levels; thus, the E RAL will be used for E, F and G Alternatives.
3) PeCDD RALs
    - B, C and D RALs will remain the same.
    - The E, F and G RALs have too many non-detects greater than the RALs and the acres/sample based on the data density exceeds acceptable levels; thus, the D RAL will be used for E, F and G alternatives.
4) PeCDF RALs
    - The same sample (only one) was identified for the B, C, D and E RALs. The E RAL will be used for the B, C and D alternatives.
    - The F RAL will be used for the E and F alternatives.
    - The G RAL will remain the same.

Attached, please find supporting information for this decision. This material is being provided as a working copy for discussion purposes and is not the agencies final decision. There is also a table with the Final DF RALs as described above.

Regards,

Kristine Koch
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