To: Bahadori, Tina[Bahadori.Tina@epa.gov]; Frithsen, Jeff[Frithsen.Jeff@epa.gov]
Cc: Yamada, Richard (Yujiro)[yamada.richard@epa.gov]
From: Blackburn, Elizabeth
Sent: Thur 6/29/2017 6:24:51 PM
Subject: FW: FFRRO Technical Fact Sheets Update
1-4-Dioxane fact sheet update 5-26-17_508.pdf
FFRRO Fact Sheet -DNT_2-7-17_508.pdf
FFRRO Fact Sheet-Nanomaterials_4-28-17.pdf
FFRRO FactSheet PBDE-PBB update 1-23-17_508.pdf
FFRRO_ECFactSheet_RDX_4-24-17_508.pdf
FFRRO_ECFactSheet_Tungsten_4-24-17.pdf
FFRROFactSheet_Contaminants_PFOS PFOA_4-11-17.pdf
FFRROFactSheet_Contaminants_TCP_1-23-17_508.pdf
FFRROFactSheet_Contaminants_TNT_1-23-16_508.pdf
NDMA fact sheet update 1-19-17_508.pdf
Perchlorate_FactSheet 4-24-17.pdf

Dear Tina and Jeff,

OLEM hopes to post the attached technical fact sheets (with the exception of perchlorate and PFOS/PFOA which are on hold) to their website. It looks like someone in ORD provided comments previously. Can you please let us know if there are any showstoppers?

Thank you!

Liz

Liz Blackburn

Chief of Staff

EPA Office of Research and Development

202-564-2192

Mobile: 202-436-2453

From: Beck, Nancy
Sent: Wednesday, June 28, 2017 7:00 PM
To: Yamada, Richard (Yujiro) <yamada.richard@epa.gov>
Subject: FW: FFRRO Technical Fact Sheets Update

FYI

Nancy B. Beck, Ph.D., DABT

Deputy Assistant Administrator, OCSPP

P: 202-564-1273

M: 202-731-9910

beck.nancy@epa.gov

From: Davis, Patrick
Sent: Wednesday, June 28, 2017 3:05 PM
To: Beck, Nancy <Beck.Nancy@epa.gov>; Forsgren, Lee <Forsgren.Lee@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>
Subject: FW: FFRRO Technical Fact Sheets Update

Sending agai with attachments

Patrick Davis

Environmental Protection Agency

Deputy Assistant Administrator, Office of Land and Emergency Management

202-564-3103 office

202-380-8341 cell

Information sent to this email address may be subject to FOIA.

From: Davis, Patrick
Sent: Monday, June 26, 2017 4:20 PM
To: Beck, Nancy <beck.nancy@epa.gov>; Forsgren, Lee <Forsgren.Lee@epa.gov>; Patrick Traylor (traylor.patrick@epa.gov) <traylor.patrick@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>
Subject: FW: FFRRO Technical Fact Sheets Update

Nancy, Lee, Patrick, Mandy and Brittany,

Attached are Technical fact sheet updates for our review before they are posted to our website. We have put a hold on the PFOA/PFOS and Perchlorate fact sheets. If you see others that raise a red flag please let me know.

Thanks,

Patrick Davis

Environmental Protection Agency

Deputy Assistant Administrator, Office of Land and Emergency Management

202-564-3103 office

202-380-8341 cell

Information sent to this email address may be subject to FOIA.

From: Cooke, Maryt
Sent: Thursday, June 15, 2017 11:46 AM
To: Breen, Barry <Breen.Barry@epa.gov>; Davis, Patrick <davis.patrick@epa.gov>; Simon, Nigel <Simon.Nigel@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>
Cc: Lowery, Brigid <Lowery.Brigid@epa.gov>; Colip, Matthew <colip.matthew@epa.gov>; Young, Dianna <Young.Dianna@epa.gov>; Gervais, Gregory <Gervais.Gregory@epa.gov>
Subject: FFRRO Technical Fact Sheets Update

Barry/Patrick/Nigel –

FFRRO has updated our Technical Fact Sheets and I wanted to get your approval to move them through the OPA process in preparation of posting them online.

As background, FFRRO has been the lead on these Emerging Contaminant/Technical Fact Sheets since 2005. These fact sheets, available online on the FFRRO website and clu-in.org, provide a summary of the contaminant including physical and chemical properties; environmental and health impacts; existing federal and state guidelines; detection and treatment methods; and additional sources of information. They are generally intended for use by site managers and other field personnel who may address these contaminants at cleanup sites.

FFRRO has developed eleven Technical Fact Sheets based on the needs of EPA staff and in conjunction with the DoD Emerging Contaminants Watch List. They are 1,2,3-trichloropropane (TCP), 1,4-Dioxane, Nanomaterials, N-Nitrosodimethylamine (NDMA), Perchlorate, polybrominated diphenyl ethers (PBDE) and polybrominated biphenyls (PBB), Tungsten, perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS), dinitrotoluene (DNT), 2,4,6-trinitrotoluene (TNT), and hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX). While many of these compounds are more commonly associated with DoD they are not necessarily exclusive to the Services. These fact sheet are also accessed by and available to the public and we have received inquiries on many of them from all over the world.

The last update of the fact sheets occurred about 2 years ago. Since then much of the science and information surrounding these compounds has evolved. One fact sheet of note is the PFOA/PFOS fact sheet. Before the EPA HA was released FFRRO took the PFOA/PFOS factsheet offline so that no confusion would be created by conflicting information in an outdated fact sheet. We have updated the document to be consistent with the HA and most recent information. Several EPA offices have reviewed and

offered input on these including OSRTI, ORD, PARMS. The PFOA/S fact sheet has also been reviewed by OW, OEM and ORCR.

We sent these to CPA in anticipation of getting your approval to move forward. Once approve they will continue through the OPA process.

Please let me know if you have any questions or require any additional information. I look forward to your feedback.

Thank you

Mary T. Cooke

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