

To: 5.1.2e [redacted] 5.1.2e [redacted] @chemours.com]
Cc: 5.1.2e [redacted] 5.1.2e [redacted] @emrc.co.uk]
From: 5.1.2e [redacted]
Sent: Fri 1/22/2021 3:18:54 PM
Subject: RE: ?RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)
Received: Fri 1/22/2021 3:18:23 PM

Dear 5.1.2e [redacted],

Thank you for your additional information for the PFAS/Food project.

Thanks also for the 1 pager for the OECD coatings project. I understand the principal contribution to the OECD project from your side will be via trade associations. We are however specifically interested in products produced by Chemours that are used as stone/tile varnishes/lacquers. Would it be possible to connect me with a colleague for a discussion on these product types?

Best regards

5.1.2e [redacted]

5.1.2e [redacted]

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Registered in England and Wales number: 4234757 VAT Number: GB 785668267

From: 5.1.2e [redacted] <5.1.2e [redacted] @chemours.com>

Sent: 22 January 2021 14:59

To: 5.1.2e [redacted] <5.1.2e [redacted] @exponent.com>

Cc: 5.1.2e [redacted] <5.1.2e [redacted] @emrc.co.uk>

Subject: [EXTERNAL] RE: ?RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

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5.1.2e [redacted]

As a follow up to our previous conversation, I would like to share a few documents / comments:

1. For the food industry / food contact work, I am attaching a couple of pdf documents that were publicly shared by DuPont comparing fluoropolymer coatings with ceramics. I am also attaching a powerpoint which shows some trade communications on the same topic. I hope you will find this useful on the topic of full life cycle comparisons for alternatives.
2. For the OECD report, as I mentioned we expect that comments would come through out trade associations. However, I do want to point out that there should be a distinction between side-chain fluorinated polymers or fluorotelomer surfactants versus fluoropolymers in Coatings. The former primarily imparts surface properties while fluoropolymers impart true material properties. If it's helpful, I have attached a one-pager put together by FPG to help with this distinction.

Thanks

5.1.2e [redacted]

From: 5.1.2e [redacted] <5.1.2e [redacted] @exponent.com>

Sent: Wednesday, January 13, 2021 7:36 AM

To: 5.1.2e [redacted] <5.1.2e [redacted] @chemours.com>

Cc: 5.1.2e [redacted] <5.1.2e [redacted] @emrc.co.uk>; 5.1.2e [redacted] <5.1.2e [redacted] @chemours.com>

Subject: ?RE: ?RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

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Good morning 5.1.2e [redacted],

We are scheduled for a brief discussion today. Can I check with you please which you would prefer to focus on today: issues relating to packaging and the food industry, i.e. your completed questionnaires; or are we to have a first discussion on coatings, paints and varnishes?

Best regards

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From: 5.1.2e

Sent: 07 January 2021 15:21

To: 5.1.2e <5.1.2e @chemours.com>

Cc: 5.1.2e <5.1.2e @emrc.co.uk>

Subject: RE: ?RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

Many thanks 5.1.2e

Looking forward to speaking soon.

Best regards

5.1.2e

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From: 5.1.2e <5.1.2e @chemours.com>

Sent: 04 January 2021 14:17

To: 5.1.2e <5.1.2e @exponent.com>

Cc: 5.1.2e <5.1.2e @gmail.com>; 5.1.2e <5.1.2e @chemours.com>

Subject: [EXTERNAL] RE: ?RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

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Hey 5.1.2e,

Attached is the white paper referenced, I think it provides some great details on the benefits over alternatives.

As for the market study, we will have to get back to you after checking to see what we can and cannot share. We are also going to have to get back to you on whether next Wednesday or Thursday are available to meet due to scheduling, but we really appreciate the opportunity and look forward to the conversation!

Happy New Year!

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From: 5.1.2e <5.1.2e@exponent.com>
Sent: Monday, January 4, 2021 8:54 AM
To: 5.1.2e <5.1.2e@chemours.com>
Cc: 5.1.2e <5.1.2e@gmail.com>; 5.1.2e <5.1.2e@chemours.com>
Subject: ?RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

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Hi 5.1.2e,

Following up my previous mail.

In the questionnaires you sent across you make reference to a document which I do not appear to have from the original call for evidence: Section A - Specific Uses_Other_Chemical and Industrial Processes_Question 9_Fluoroelastomer PPAs.pdf. I'd be grateful if you could send me across this document.

As we discussed there is also reference to the market study you mentioned: <https://ihsmarkit.com/products/fluoropolymers-chemical-economics-handbook.html>. As suspected the price is prohibitive, but I would certainly be interested in the Western and Central European data e.g. market size in tonnes. Is this something you could provide?

Many thanks and looking forward to speaking again soon.

Best regards

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From: 5.1.2e
Sent: 02 January 2021 08:54
To: 5.1.2e <5.1.2e@chemours.com>; 5.1.2e <5.1.2e@chemours.com>
Cc: 5.1.2e <5.1.2e@gmail.com>
Subject: RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

Dear 5.1.2e,

Good to talk to you as well and thank you very much for your contributions to the project.

I would like to invite you already to schedule in a follow up call because I know our calendars will get busy shortly. Are you available either Wednesday or Thursday 13-14 January which appears relatively free in my calendar, with the exception of 17 – 18.00 GMT on Thursday?

I would like to wish you both a safe and prosperous 2021.

Best regards

5.1.2e

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From: 5.1.2e <5.1.2e@chemours.com>

Sent: 30 December 2020 19:35

To: 5.1.2e <5.1.2e@exponent.com>

Cc: 5.1.2e <5.1.2e@chemours.com>

Subject: [EXTERNAL] RE: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

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Thanks for the great discussion last week 5.1.2e, I've tried to include as much of the requested info as possible in the attached Chemours' responses. As we talked about, our original submission was very large and provides a lot of critical data on fluoropolymer food-contact applications and I would recommend that as the go to reference document for our input. For these questionnaires, I've left the attachment references (including the Socio-economic Assessments that we discussed) the same as the original submission to make it easier.

Please do not hesitate to reach out with any questions/comments/request for more information to 5.1.2e (cc'ed).

Thanks and happy new year!

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From: 5.1.2e <5.1.2e@exponent.com>

Sent: Wednesday, December 23, 2020 12:07 PM

To: 5.1.2e <5.1.2e@rivm.nl>

Cc: 5.1.2e <5.1.2e@chemours.com>

Subject: ?RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

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Dear 5.1.2e,

Please can I introduce you to 5.1.2e that represents the fluoropolymer (FP) side of Chemours' business and is in the final stages of preparing their responses to our questionnaires. The applications for the FPs include specialist pharmaceutical and electronics packaging that I believe would be best handled in those projects, rather than our generic packaging sub-use. 5.1.2e will still provide us with information on generic packaging.

I would appreciate it if you could respond directly to 5.1.2e on how he can best provide information to the pharmaceutical and electronics projects.

Many thanks in advance.

5.1.2e

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From: 5.1.2e <5.1.2e @chemours.com>

Sent: 21 December 2020 14:42

To: 5.1.2e <5.1.2e @exponent.com>

Subject: [EXTERNAL] RE: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

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Hi 5.1.2e,

My name is 5.1.2e and I am working on completing the food-related questionnaires for Chemours. Would you happen to have any availability this week to discuss a couple related items in order for us to provide the best responses? I am available the rest of today and all afternoon tomorrow (I am located in Eastern Savings Time).

I appreciate it, thanks!

5.1.2e

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From: 5.1.2e <5.1.2e @exponent.com>

Sent: Tuesday, December 08, 2020 9:33 AM

To: 5.1.2e <5.1.2e @emrc.co.uk>

Subject: ?PFAS Projects: F-gases (Norway) and the food industry and packaging (Netherlands)

Dear Stakeholders,

This is a kind reminder to complete and return the relevant questionnaires I sent you previously **as soon as possible, but at latest by the end of this year**. I would also like to invite you to indicate your willingness to have a follow up discussion.

Thank you for those of you that have already returned your questionnaire(s) and offered/arranged a follow up discussion. We are working our way through these responses and will be in contact shortly.

Whilst the ECHA Committees are not experts in the many fields of PFAS use that are relevant to this proposed restriction, they do expect to be able to evaluate the case for a restriction on technical grounds, and so will be looking for data to support the arguments made in the proposal. To ensure your responses are of optimal value for our project, we therefore invite you to follow the guidelines below.

1. Please provide as much detail in your response because statements need to be substantiated with data on technical constraints, costs, etc. if they are to carry any weight in the process. To take an example, we have seen the statement 'there are no alternatives' used in several responses, whilst other stakeholders have stated that alternatives are readily available on the market. Without further detail we cannot evaluate the merits of either case.
2. Providing as much detail as possible is particularly important in sectors where there are non-PFAS alternatives available for certain uses within that sector, but for others you consider that there is no viable substitute. We want to understand why the use of PFAS might be considered the right option in some niches within a sector whilst in others alternatives are already widely used. Or, if you are a provider of alternatives, why you consider that your alternative is applicable when others may say that it is not.
3. We understand that companies may be reluctant to share case-study material that provides this level of information. However, please recall we have systems in place to protect confidentiality, and it is more effective to make your reasoned arguments at this stage in the process, rather than later on. We are happy to sign non-disclosure agreements specific to this work if this would be helpful.

We look forward to receiving your completed questionnaires at the earliest time and following this up with you in January.

May I also take this opportunity to wish you all a relaxing and refreshing holiday period.

Best regards

5.1.2e

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