From:	Nam, Ed
To:	Hoffman, Kathy; Cain, Alexis; Siegel, Kathryn; Sieffert, Margaret; Nguyen, Phuong; King, Steven; Mattison, Kevin; Ogulei, David
Subject:	RE: Today"s Presentation
Date:	Friday, July 20, 2018 12:51:00 PM
Attachments:	CBI.DOCX EtO Spectrum.gif

Hi Kathy,

Thank you so much for hosting us and providing us with such an informative presentation and tour. We have a much better understanding of your process now, which is extremely helpful.

Thank you also for sending your presentation. Because the presentation has the word "confidential" on most of the slides, I am asking whether you are asking us to treat this presentation as "confidential business information" (CBI) under 40 C.F.R. § 2.203(b). I have attached information about CBI that we add to 114 requests under the enforcement program—this could help you determine whether you would like to like it covered under CBI.

You requested information about the FLIR camera. Region 5 has a FLIR GF320 as shown on the FLIR website (https://www.flir.com/products/gf320/) The camera can be considered sensitive to gases that have spectra in the ~3.15 to 3.5 micron range. From the attached spectrum of EtO, you can see there is an absorbance feature in the 3.2 to 3.4 micron range (microns on top, absorbance y axis is reversed). Margaret and a certified camera operator would be happy to bring the FLIR camera to Willowbrook to demonstrate it and show how it might be used to quickly identify fugitive emissions sources.

We look forward to receiving modeling information, as well as your follow-up questions about monitoring, after which we will schedule a call to discuss these issues, as well as future stack testing.

Thank you,
-Ed

-Edward Nam, PhD
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From: Hoffman, Kathy [mailto:KHoffman@sterigenics.com]
Sent: Wednesday, July 18, 2018 6:42 PM
To: Cain, Alexis <cain.alexis@epa.gov>; Nam, Ed <nam.ed@epa.gov>; Siegel, Kathryn <siegel.kathryn@epa.gov>; Sieffert, Margaret <Sieffert.Margaret@epa.gov>; Nguyen, Phuong <Nguyen.Phuong@epa.gov>; King, Steven <Steven.King@Illinois.gov>; Mattison, Kevin <Kevin.Mattison@Illinois.gov>; Ogulei, David <Ogulei.David@epa.gov>
Subject: Today's Presentation

It was nice meeting with all of you today at our Willowbrook facility. As promised during today's meeting, attached is my presentation. I hope this discussion and tour was helpful in better understanding our EO sterilization process and emissions. I look forward to continuing to work with you on this issue.

Let me know if you have any further questions.

Regards,
Kathy

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