

**UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF COLUMBIA**

PUBLIC EMPLOYEES FOR  
ENVIRONMENTAL RESPONSIBILITY,

Plaintiff,

v.

U.S. ENVIRONMENTAL PROTECTION  
AGENCY,

Defendant.

Civil Action No. 18-cv-2219 (BAH)

Chief Judge Beryl A. Howell

**MEMORANDUM OPINION**

The Environmental Protection Agency (“EPA”) uses an Integrated Risk Information System (“IRIS”) program to analyze selected chemicals found in the environment to identify and characterize hazards to human health, with the results of this analysis released in final public assessments to guide EPA policymaking and inform the general public. In January 2018, in testimony before the Senate Committee on the Environment and Public Works, then-EPA Administrator Scott Pruitt made comments construed as confirming EPA’s preparation of a new version of a long-delayed IRIS formaldehyde assessment, which, while not final, was ready to be publicly released for comment and peer review, but was being “held up” and therefore had not yet been released. Compl. ¶ 3, ECF No. 1. Prompted by this congressional testimony, plaintiff Public Employees for Environmental Responsibility (“PEER”), “a non-profit organization dedicated to research and public education concerning the activities of federal, state, and local governments,” *id.* ¶ 2, submitted a request, pursuant the Freedom of Information Act (“FOIA”), 5 U.S.C. § 552, to EPA for, *inter alia*, this public-ready version of the formaldehyde assessment referenced by then-Administrator Pruitt, and subsequently filed the instant lawsuit to obtain this

agency record. EPA has withheld in full the version of the IRIS formaldehyde assessment referenced in the congressional testimony—the only document remaining at issue in this lawsuit—as protected by the deliberative process privilege and therefore exempt from disclosure under FOIA’s Exemption 5, *id.* § 552(b)(5).

Pending before the Court are the parties’ cross-motions for summary judgment. *See* Def.’s Mot. Summ. J. (“Def.’s Mot.”), ECF No. 21; Pl.’s Cross-Mot. Summ. J. (“Pl.’s Mot.”), ECF No. 23. For the reasons set forth below, EPA’s Motion for Summary Judgment is granted and plaintiff’s Cross-Motion for Summary Judgment is denied.

## **I. BACKGROUND**

Pertinent background underlying plaintiff’s FOIA request is described, followed by review of the FOIA request and the initiation of the instant lawsuit.<sup>1</sup>

### **A. EPA’s IRIS Program**

EPA’s IRIS program “analyzes selected chemicals found in the environment to identify and characterize hazards to human health.” Def.’s Mem. Supp. Mot. Summ. J. (“Def.’s Mem.”) at 1, ECF No. 21. According to EPA, the program’s primary purpose is to produce assessments, which are documents that “[i]dentify relevant studies” and “synthesi[ze] . . . evidence from identified studies across human, animal, and mechanistic lines of information” to identify human health hazards. Def.’s Mot., Ex. 2, Decl. of Dr. Jennifer Orme-Zavaleta (“1st Orme-Zavaleta Decl.”) ¶¶ 1, 15, ECF No. 21-2. By “identifying the human health hazard of a chemical, and the

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<sup>1</sup> In support of its Motion for Summary Judgment, EPA has submitted three separate declarations of Dr. Jennifer Orme-Zavaleta, who has worked at EPA for more than 38 years and, since 2017, served as the Principal Deputy Assistant Administrator for Science in EPA’s Office of Research and Development responsible for administering the IRIS program. *See* Def.’s Mot., Ex. 2, Decl. of Dr. Jennifer Orme-Zavaleta ¶ 1, ECF No. 21-2; Def.’s Reply Supp. Mot. Summ. J., Ex. 2, Second Decl. of Dr. Jennifer Orme-Zavaleta, ECF No. 27-2; Def.’s Suppl. Br., Ex. 1, 3d Decl. of Dr. Jennifer Orme-Zavaleta, ECF No. 33-1. In support of its Cross-Motion for Summary Judgment, plaintiff has submitted a declaration of Kevin Bell, who has been plaintiff’s staff counsel since September 2018 and whose responsibilities include “day-to-day management of” plaintiff’s FOIA requests and litigation. Decl. of Kevin H. Bell ¶ 1, ECF No. 23-1.

accompanying evaluation of dose-response information for those hazards,” IRIS assessments “provide the scientific foundation for decision-making to protect public health.” *Id.* ¶ 7. IRIS assessments “are part of the EPA’s broader policy-making and decision-making process,” and are “available for use by EPA’s program and regional offices, as well as other stakeholders, to inform Agency decisions under relevant statutory authorities.” Def.’s Reply Supp. Mot. Summ. J., Ex. 2, Second Decl. of Doctor Jennifer Orme-Zavaleta (“2d Orme-Zavaleta Decl.”) ¶ 8, ECF No. 27-2. “Each IRIS assessment can cover a [single] chemical, a group of related chemicals, or a complex mixture.” 1st Orme-Zavaleta Decl. ¶ 7. EPA is in the process of developing 16 different IRIS chemical assessments, including the formaldehyde assessment at issue in the instant lawsuit. *Id.*

Completion of an assessment for a given chemical under the IRIS program comprises seven distinct steps, from initial research, analysis and drafting, to internal and interagency review, to public release of an interim version for public comment and peer review, to further revision and review in light of such comments, to ultimate release of the final assessment, which is the agency’s definitive statement on the health risks of the chemical under analysis.<sup>2</sup> During Step One (“Draft Development”), EPA first “undertakes internal scoping to identify EPA program and regional office needs for an assessment.” *Id.* ¶ 8. Then, “[p]roblem formulation frames the scientific questions that will be the focus of systematic reviews conducted as part of assessment development.” *Id.* Next, “[d]raft development begins with a comprehensive search and systematic review of the scientific literature,” after which “EPA provides preliminary assessment materials to the public and an opportunity for public input on these materials.” *Id.* At Step Two (“Agency Review”), “[s]cientists in EPA’s program offices and regions review the

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<sup>2</sup> “The IRIS process is not a formal regulatory development process;” rather, “EPA created the ‘Steps’ to better inform the public of EPA’s progress in assessing a particular chemical.” 2d Orme-Zavaleta Decl. ¶ 3.

draft assessment,” and the draft assessment is revised as needed. *Id.* At Step 3 (“Interagency Science Consultation”), “[o]ther federal agencies, including the Executive Office of the President, review the draft assessment,” and the draft assessment is again revised as needed. *Id.* Step Four (“Public Comment and External Peer Review”), provides that the draft assessment “is released for public review and comment” as well as “external peer review.” *Id.* Next, at Step Five (“Revise Assessment”), “[t]he IRIS Program revises the assessment to address peer review comments” and “prepare[s] a written response-to-comment document.” *Id.* At Step Six (“Final Agency Review”), the revised assessment is again “reviewed by EPA’s program offices and regions, other federal agencies, and the Executive Office of the President.” *Id.* Finally, at Step Seven (“Final Assessment”), “[t]he final IRIS assessment is posted to the IRIS website.” *Id.*

#### **B. The IRIS Formaldehyde Assessment**

The IRIS formaldehyde assessment at issue has been in process for well over a decade, and, according to plaintiffs, dates back to 1997. *See* Pl.’s Mem. Supp. Cross-Mot. Summ. J. & Opp’n Def.’s Mot. Summ. J. (“Pl.’s Opp’n”) at 2, ECF No. 23. In 2005, EPA announced that the formaldehyde assessment would be sent “for external review during fiscal years 2006 and 2007,” referencing IRIS Step Four, but that deadline was not met. *Id.* (omissions in original) (quoting GOV’T ACCOUNTABILITY OFFICE, GAO-08-440, LOW PRODUCTIVITY AND NEW INTERAGENCY REVIEW PROCESS LIMIT THE USEFULNESS AND CREDIBILITY OF EPA’S INTEGRATED RISK INFORMATION SYSTEM 37 (2008), <https://www.gao.gov/products/GAO-08-440>).

In 2010, EPA released a draft formaldehyde assessment at Step Four of the IRIS process, thereby providing the opportunity for public comment on and external peer review, and this document remains publicly available on EPA’s website. 2d Orme-Zavaleta Decl. ¶¶ 4–5. In 2011, the National Academy of Sciences (“NAS”) conducted a peer review of the draft and

provided “significant comments” necessitating substantive revisions to the draft. *Id.* ¶ 6.<sup>3</sup> In response to those comments, IRIS “never finalized” “the 2010 [draft] [a]ssessment,” *id.*, and instead began working on a *new* version of the formaldehyde assessment to address the 2011 NAS peer review comments, returning the formaldehyde assessment to Step One of the IRIS program, requiring EPA to “repeat Agency review and interagency science consultation before being released” for public comment and renewed peer review. *Id.* (internal quotation marks omitted).<sup>4</sup> Since 2011, the new draft formaldehyde assessment has not yet undergone Steps Two and Three—Agency Review and Interagency Science Consultation—and therefore has not yet been advanced to IRIS Step Four or released for public review. *See* 2d Orme-Zavaleta Decl. ¶¶ 6–7.

As of March 2019, EPA was “no longer working on the [IRIS] Formaldehyde Assessment,” because “other chemicals ha[d] been identified as higher priorities for the IRIS assessment process at th[at] time,” although a separate EPA office had begun working on “a risk evaluation for formaldehyde under the Toxic Substances Control Act.” 1st Orme-Zavaleta Decl. ¶ 9; Def.’s Suppl. Br., Ex. 1, Third Decl. of Doctor Jennifer Orme-Zavaleta (“3d Orme-Zavaleta Decl.”) ¶ 4, ECF No. 33-1. On March 26, 2021, however, EPA announced that “the IRIS assessment of formaldehyde . . . ha[d] been unsuspended, and that a public milestone timeline”

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<sup>3</sup> NAS is a federally chartered, private corporation, 36 U.S.C. § 150301, whose statutory mandate is to, “[o]n request of the United States Government, . . . investigate, examine, experiment, and report on any subject of science or art,” *id.* § 150303. The NAS peer review “identified numerous significant recommendations for improving the science that underlies the formaldehyde IRIS assessment.” Pl.’s Reply Supp. Cross-Mot. Summ. J. at 4, ECF No. 29.

<sup>4</sup> EPA does not clarify when comments received at Step Four necessitate reworking an assessment from the beginning, thereby returning the draft assessment to IRIS Step One, and when such comments may simply be addressed in Step Five, when the “[t]he IRIS Program revises the assessment to address peer review comments,” 1st Orme-Zavaleta Decl. ¶ 8. EPA notes, however, that the formaldehyde assessment is not the only draft assessment that has been returned to IRIS Step One in response to comments received at Step Four. 2d Orme-Zavaleta Decl., Ex. A, IRIS Assessment Status at 2–3, ECF No. 27-2 (noting that IRIS assessments for acrylonitrile and n-butanol “repeat[ed] agency review and interagency consultation before being released for additional public comment” following comments received at IRIS Step Four).

for the formaldehyde assessment would be provided in June 2021. 3d Orme-Zavaleta Decl. ¶¶ 3–4; *see also id.*, Ex. 1, Mar. 11, 2021 Memo from Jennifer Orme-Zavaleta, Ph.D., to Acting Assistant Administrators, Acting Regional Administrators, and Deputies of EPA, at 2 (“[EPA] will unsuspend the IRIS assessment of formaldehyde and will add formaldehyde to the current IRIS agenda. The next step for this assessment is agency review.”).

**C. January 2018 Meeting of the American Chemistry Council and IRIS Staff**

Meanwhile, more than a year before EPA’s suspension of the IRIS formaldehyde assessment, while revisions were still underway following the NAS peer review, the Formaldehyde Panel of the American Chemistry Council (“ACC”) met, on January 24, 2018, with IRIS staff to discuss the status of the formaldehyde assessment. *See* Pl.’s Opp’n at 3; *see also* Pl.’s Cross-Mot., Ex. 1, Decl. of Kevin Bell (“Bell Decl.”), ECF No. 23-1; 2d Orme-Zavaleta Decl. ¶ 9. According to EPA, “[t]he IRIS Program . . . frequently [meets] with members of the public to hear stakeholder perspectives,” such as “new or ongoing research initiatives,” 2d Orme-Zavaleta Decl. ¶ 9, and requests for such meetings are publicly disclosed on IRIS’s website, *see id.* ¶ 9 & n.8; *IRIS Calendar: Meetings Requested by Specific Members of the Public*, U.S. ENV’T’L PROTECTION AGENCY, <https://iris.epa.gov/Events/#stakeholderMeetings> (last visited June 9, 2021). EPA “confirm[s]” that, although the draft assessment was discussed “at th[e] [January 24, 2018] meeting[,] EPA did not share any copies of the [most recent draft formaldehyde] Assessment or any portions of the draft with the [ACC] Panel.” 2d Orme-Zavaleta Decl. ¶ 9.

Two days after the meeting with IRIS staff, an ACC panel member sent a letter to the agency on behalf of the ACC, “stress[ing] the importance of producing a revised formaldehyde IRIS assessment that fully implements and resolves scientifically the recommendations of the 2011 National Academy of Sciences . . . report” and noting that ACC “left the meeting very

alarmed and troubled” with the methodological approach IRIS was employing in revising the formaldehyde assessment.” Letter from Kimberly Wise White, ACC, to Dr. Orme-Zavaleta at 1 (Jan. 26, 2018) (quoted in Pl.’s Opp’n at 4).<sup>5</sup> In a further critique, the letter stated that “the revised draft IRIS assessment has not revisited the science but instead will be a restructuring of the [old] draft,” despite concern that “the previous draft relied on studies that ha[d] been shown in recent years to have significant scientific and methodological issues.” *Id.*<sup>6</sup> ACC insisted that “a revised draft IRIS assessment must revisit all previous conclusions, demonstrate effective and science-based integrations of all the lines of evidence and meet the standards of scientific integrity and transparency requested by the NAS and the public.” *Id.*

**D. Then-EPA Administrator Scott Pruitt’s Congressional Testimony**

Just two days after the ACC sent its letter to the EPA concerning the IRIS formaldehyde assessment, Scott Pruitt, at the time the EPA Administrator, testified, on January 30, 2018, before the U.S. Senate Committee on the Environment and Public Works. During Pruitt’s testimony, one member of the Committee voiced his “understanding that the EPA has finalized its conclusion that formaldehyde causes leukemia and other cancers, and that that completed new assessment is ready to be released for public review[,] [b]ut [the assessment] is still being held up.” Def.’s Reply Supp. Mot. Summ. J. (“Def.’s Reply”) at 4, ECF No. 27 (quoting U.S. Senate Comm. on Env’t. & Pub. Works, S. Hr’g 115-325, Vol. 1, Oversight Hearing to Receive Testimony from Environmental Protection Agency Administrator Scott Pruitt (“Senate Hr’g”))

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<sup>5</sup> A copy of the letter was obtained by the chemical-industry research company Chemical Watch and is available online at [http://files.chemicalwatch.com/ACC%20Formaldehyde%20Panel%20Letter%20to%20EPA%20-%20January%2026%202018%20-%20Final%20\(1\).pdf](http://files.chemicalwatch.com/ACC%20Formaldehyde%20Panel%20Letter%20to%20EPA%20-%20January%2026%202018%20-%20Final%20(1).pdf).

<sup>6</sup> EPA objects that ACC’s characterization of the revisions to the IRIS formaldehyde assessment “is incorrect,” 2d Orme-Zavaleta Decl. ¶ 10, explaining that, although the current draft of the formaldehyde assessment “does present information and conclusions in a new structure compared to” the 2010 IRIS Step Four formaldehyde assessment, the most recent version “also incorporates new studies and updated analyses to reflect the latest science on formaldehyde toxicity,” *id.*

Pruitt Testimony”) 278 (Jan. 30, 2018) (question of Sen. Edward Markey). He then asked Pruitt, “Can you give us a status update as to the EPA’s handling of the formaldehyde issue and the conclusion that it in fact does cause leukemias and other cancers?” *Id.* (quoting Senate Hr’g at 278).

In response, Pruitt stated that “[his] understanding is similar to [Markey’s], but [he would] confirm that and provide the information to [Markey] from the [IRIS] program office.” *Id.* (quoting Senate Hr’g at 278). Markey followed up, asking if Pruitt would “commit to releasing that report, which is already completed, in a short period of time once [Pruitt] ha[d] reviewed it, if in fact [it] meets the standards which [the] EPA staff has already established that it does.” *Id.* (quoting Senate Hr’g at 278). Pruitt balked at this request, instead “commit[ting] . . . that [he would] look into that and make sure [Markey’s] office is aware of what we have and when we can release it.” *Id.* (quoting Senate Hr’g at 278).

On May 17, 2018, Senator Markey, among others, sent a letter to then-Administrator Pruitt requesting that he follow through on his commitment to update Markey’s office about the status of the IRIS formaldehyde assessment. *See* Pl.’s Reply Supp. Cross-Mot. Summ. J. (“Pl.’s Reply”) at 3–4, ECF No. 29. EPA responded that “[t]he National Academy of Science . . . identified numerous significant recommendations for improving the science that underlies the formaldehyde assessment,” and that “the Agency is working to fully implement the NAS recommendations in all IRIS assessments released moving forward.” *Id.* at 4.

#### **E. Plaintiff’s FOIA Request and the Initiation of the Instant Lawsuit**

Spurred by the ACC letter and Pruitt’s public acknowledgement that his understanding of the status of the IRIS formaldehyde assessment was similar to that of Senator Markey’s—namely, that EPA had finalized its conclusion that formaldehyde causes leukemia and other cancers—and news coverage of the IRIS formaldehyde assessment, *see* Pl.’s Opp’n at



6–7 (citing Annie Snider, *Sources: EPA Blocks Warnings on Cancer-Causing Chemical*, POLITICO (July 6, 2018), <https://www.politico.com/story/2018/07/06/epa-formaldehyde-warnings-blocked-696628>), plaintiff submitted a FOIA request to EPA on July 9, 2018, *see* 1st Orme-Zavaleta Decl., Ex. A, FOIA Request, ECF No. 21-2. The request referenced Pruitt’s January 2018 Senate testimony and sought records related to the IRIS formaldehyde assessment, including “[a]ny versions of the . . . draft [formaldehyde] health assessment.” *Id.* at 1–2.<sup>7</sup>

On September 25, 2018, plaintiff filed the instant lawsuit, seeking, in a one-count complaint, to “compel” EPA “to disclose records wrongfully withheld in failing to respond” to its FOIA request for the five above categories of documents “within the statutory deadline.” Compl. ¶ 1. Thereafter, the parties negotiated a search plan to identify, process, and produce records responsive to plaintiff’s request. *See* Bell Decl. ¶ 5. EPA then released, in three separate batches in May, June, and July 2018, 138 records in full and 174 redacted records, and withheld in full 99 records. Def.’s Mem. at 2; 1st Orme-Zavaleta Decl. ¶¶ 11–12. EPA also provided a withholding index itemizing the withheld documents and explaining the reason each was withheld. *See* Bell Decl., Ex. 2, Withholding Index, ECF No. 23-1; *see also* Def.’s Mem. at 2.<sup>8</sup>

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<sup>7</sup> Plaintiff’s FOIA request sought a total of five categories of records but, given the parties’ agreement to focus on a single disputed record here, the other requested records are not at issue.

<sup>8</sup> The parties quibble over whether the withholding index EPA provided to plaintiff qualifies as a *Vaughn* index, which “describes the documents withheld or redacted [by the agency] and the FOIA exemptions invoked, and explains why each exemption applies,” *Prison Legal News v. Samuels*, 787 F.3d 1142, 1145 n.1 (D.C. Cir. 2015); *see also Vaughn v. Rosen*, 484 F.2d 820 (D.C. Cir. 1973). Plaintiff views the withholding index as a *Vaughn* index, *see* Pl.’s Mem. at 11 (“[Plaintiff] did on several occasions ask for an index of withholdings, and EPA provided one.”), whereas EPA states that plaintiff “did not request a *Vaughn* index for the withholdings,” Pl.’s Mem. at 2, and a “*Vaughn* index was not necessary because the parties agreed that the only outstanding issue with regard to EPA’s response concerns a single document that EPA withheld in full,” *id.* EPA denies that “[t]he index provided by EPA” to plaintiff was a *Vaughn* index because a *Vaughn* index “has particular requirements as set forth in *Vaughn v. Rosen*,” Def.’s Reply at 5, without explicating which of those specific requirements are lacking in the index actually provided to plaintiff. In any event, whether the index fully complies with the requirements of *Vaughn* is of no moment, since, as explained in greater detail below, *see infra* Part II, an agency may justify its application of FOIA exemptions through declarations or affidavits in addition to a *Vaughn* index. Here, the agency’s declarations adequately describe the contents of the lone withheld record at issue here to permit a determination whether the withholding was proper. *See infra* Part III.A.2.

Among the fully withheld records were all drafts of the IRIS formaldehyde assessment, which EPA claimed were exempt from disclosure pursuant to the deliberative process privilege of FOIA Exemption 5. Def.'s Mem. at 2; *see also* Bell Decl. ¶ 12.

Plaintiff objected to EPA's application of the deliberative process privilege to the drafts of the formaldehyde assessment and proposed, in September 2019, that "the parties narrow any dispute for summary judgment briefing" by picking one representative version of the draft formaldehyde assessment and focusing their briefing on that version "as a test case." Bell Decl. ¶¶ 12–14. At plaintiff's suggestion, the parties settled on a document with the filename "Formaldehyde Main Text 102417 06-13-18.docx" ("2018 Version-Formaldehyde Assessment") as an appropriately representative document, primarily because this was the most recently dated version of the formaldehyde assessment, "appeared to be of sufficient length (over 500 pages)," and the filename did not suggest to plaintiff that the document "was an individual's personal comments or other clearly deliberative content." *Id.* ¶¶ 15–16. Accordingly, the parties resolved their dispute as to all the remaining partially and fully withheld documents, and informed the Court that they "were unable to resolve their dispute over the application of FOIA exemption 5 . . . to a single document which EPA withheld in full," namely the 2018 Version-Formaldehyde Assessment. Joint Status Report & Proposed Briefing Schedule ("JSR") ¶ 4, ECF No. 19. The parties therefore stated that they "ha[d] agreed to narrow the subject of their dispute on summary judgment to that document." *Id.*

Per their agreement, the parties cross-moved for summary judgment on the applicability of the deliberative process privilege to the 2018 Version-Formaldehyde Assessment. *See* Def.'s Mot.; Pl.'s Cross-Mot. Following a lengthy briefing schedule, *see* Scheduling Order (Mar. 16, 2020); Amended Scheduling Orders (Apr. 28, 2020; June 30, 2020; July 30, 2020; Aug 4, 2020),

including Court-ordered supplemental briefing to address *U.S. Fish & Wildlife Service v. Sierra Club*, 141 S. Ct. 777 (2021), an intervening Supreme Court decision on the application of the deliberative process privilege to draft agency work product, *see* Min. Order (Apr. 16, 2021), those cross-motions have been fully briefed and are ripe for resolution. *See* Def.’s Mem.; Pl.’s Opp’n; Def.’s Reply; Pl.’s Reply; Pl.’s Suppl. Br. Concerning the U.S. Supreme Court’s Decision in *U.S. Fish & Wildlife Service v. Sierra Club & Mootness* (“Pl.’s Suppl. Mem.”), ECF No. 32; Def.’s Suppl. Br. (“Def.’s Suppl. Mem.”), ECF No. 33; Pl.’s Reply to Def.’s Suppl. Br. (“Pl.’s Suppl. Reply”), ECF No. 36; Def.’s Reply to Pl.’s Suppl. Br. (“Def.’s Suppl. Reply”), ECF No. 35.<sup>9</sup> For the reasons set out below, defendant’s Motion for Summary Judgment is granted and plaintiff’s Cross-Motion for Summary Judgment is denied.

## II. LEGAL STANDARD

Under Federal Rule of Civil Procedure 56, “[a] party is entitled to summary judgment only if there is no genuine issue of material fact and judgment in the movant’s favor is proper as a matter of law.” *Soundboard Ass’n v. FTC*, 888 F.3d 1261, 1267 (D.C. Cir. 2018) (quoting *Ctr. for Auto Safety v. Nat’l Highway Traffic Safety Admin.*, 452 F.3d 798, 805 (D.C. Cir. 2006)); *see also* Fed. R. Civ. P. 56(a). “In FOIA cases, summary judgment may be granted on the basis of agency affidavits if they contain reasonable specificity of detail rather than merely conclusory statements, and if they are not called into question by contradictory evidence in the record or by evidence of agency bad faith.” *Aguiar v. DEA*, 865 F.3d 730, 734–35 (D.C. Cir. 2017) (quoting

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<sup>9</sup> In its minute order directing the parties to address the impact of *Sierra Club*, the Court also noted a March 11, 2021 news article reporting that EPA was “resuming its years-delayed analysis of formaldehyde’s health effects,” in turn suggesting that the IRIS formaldehyde assessment whose release plaintiff effectively seeks to compel by way of a FOIA lawsuit could soon be released to the public at IRIS Step Four. Min. Order (Apr. 16, 2021) (quoting Pat Rizzuto, “*Vanished*” *EPA Formaldehyde Health Effects Probe Reemerges*, Bloomberg Law (Mar. 11, 2021), <https://www.bloomberglaw.com/bloomberglawnews/environment-and-energy/X4C0LD20000000>). Notwithstanding this development, the parties confirmed that plaintiff still sought the Draft Assessment via its FOIA request and that the parties sought resolution of their pending cross-motions for summary judgment. *See* Pl.’s Suppl. Mem. at 13–14; Def.’s Suppl. Mem. at 4–5.

*Judicial Watch, Inc. v. U.S. Secret Serv.*, 726 F.3d 208, 215 (D.C. Cir. 2013)); *see also Students Against Genocide v. Dep't of State*, 257 F.3d 828, 833 (D.C. Cir. 2001) (“[A]n agency is entitled to summary judgment if no material facts are in dispute and if it demonstrates ‘that each document that falls within the class requested either has been produced . . . or is wholly exempt from the Act’s inspection requirements.’” (omission in original) (quoting *Goland v. CIA*, 607 F.2d 339, 352 (D.C. Cir. 1978))). Most FOIA cases “can be resolved on summary judgment.” *Brayton v. Off. of U.S. Trade Representative*, 641 F.3d 521, 527 (D.C. Cir. 2011).

FOIA was enacted “to promote the ‘broad disclosure of Government records’ by generally requiring federal agencies to make their records available to the public on request.” *DiBacco v. U.S. Army* (“*DiBacco I*”), 795 F.3d 178, 183 (D.C. Cir. 2015) (quoting *Dep't of Justice v. Julian*, 486 U.S. 1, 8 (1988)). Agencies are therefore statutorily mandated to “make . . . records promptly available to any person” who submits a request that “reasonably describe such records” and “is made in accordance with [the agency’s] published rules.” 5 U.S.C. § 552(a)(3)(A). To balance the public’s interest in governmental transparency and “‘legitimate governmental and private interests [that] could be harmed by release of certain types of information,’” *Judicial Watch, Inc. v. U.S. Dep't of Def.*, 913 F.3d 1106, 1108 (D.C. Cir. 2019) (quoting *FBI v. Abramson*, 456 U.S. 615, 621 (1982)), FOIA contains nine exemptions, set forth in 5 U.S.C. § 552(b), which “are ‘explicitly made exclusive’ and must be ‘narrowly construed,’” *Milner v. Dep't of Navy*, 562 U.S. 562, 565 (2011) (first quoting *EPA v. Mink*, 410 U.S. 73, 79 (1979); and then quoting *Abramson*, 456 U.S. at 630); *see also Murphy v. Exec. Off. for U.S. Att'ys*, 789 F.3d 204, 206 (D.C. Cir. 2015); *Citizens for Resp. & Ethics in Wash. v. U.S. Dep't of Justice* (“*CREW*”), 746 F.3d 1082, 1088 (D.C. Cir. 2014). “[T]hese limited exemptions

do not obscure the basic policy that disclosure, not secrecy, is the dominant objective of the Act.” *Dep’t of Air Force v. Rose*, 425 U.S. 352, 361 (1976).

FOIA authorizes federal courts “to enjoin the agency from withholding agency records and to order the production of any agency records improperly withheld from the complainant.” 5 U.S.C. § 552(a)(4)(B). When an agency invokes an exemption to disclosure, district courts must “determine *de novo* whether non-disclosure was permissible.” *Elec. Priv. Info. Ctr. v. U.S. Dep’t of Homeland Sec.*, 777 F.3d 518, 522 (D.C. Cir. 2015). The statute “places the burden ‘on the agency to sustain its action,’ and the agency therefore bears the burden of proving that it has not ‘improperly’ withheld the requested records.” *Citizens for Resp. & Ethics in Wash. v. U.S. Dep’t of Justice*, 922 F.3d 480, 487 (D.C. Cir. 2019) (first quoting 5 U.S.C. § 552(a)(4)(B); and then quoting *U.S. Dep’t of Justice v. Tax Analysts*, 492 U.S. 136, 142 n.3 (1989)); *see also U.S. Dep’t of Justice v. Landano*, 508 U.S. 165, 171 (1993) (“The Government bears the burden of establishing that the exemption applies.”); *DiBacco v. U.S. Dep’t of Army* (“*DiBacco II*”), 926 F.3d 827, 834 (D.C. Cir. 2019) (“‘An agency withholding responsive documents from a FOIA release bears the burden of proving the applicability of claimed exemptions,’ typically through affidavit or declaration.” (quoting *DiBacco I*, 795 F.3d at 195)). This burden does not shift even when the requester files a cross-motion for summary judgment because the agency ultimately “bears the burden to establish the applicability of a claimed exemption to any records or portions of records it seeks to withhold,” *Am. Immigr. Laws. Ass’n v. Exec. Off. for Immigr. Rev.*, 830 F.3d 667, 673 (D.C. Cir. 2016), while “[t]he burden upon the requester is merely ‘to establish the absence of material factual issues before a summary disposition of the case could permissibly occur,’” *Pub. Citizen Health Rsch. Grp. v. FDA*, 185 F.3d 898, 904–05 (D.C. Cir. 1999) (quoting *Nat’l Ass’n of Gov’t Emps. v. Campbell*, 593 F.2d 1023, 1027 (D.C. Cir. 1978)).

An agency may prove the applicability of claimed exceptions through a *Vaughn* index or supporting affidavits or declarations, or both, that “describe[] the justifications for withholding the information with specific detail, demonstrate[] that the information withheld logically falls within the claimed exemption, and [are] not contradicted by contrary evidence in the record or by evidence of the agency’s bad faith.” *DiBacco II*, 926 F.3d at 834 (internal quotation marks and citation omitted); *see also, e.g., CREW*, 746 F.3d at 1088; *Poitras v. Dep’t of Homeland Sec.*, 303 F. Supp. 3d 136, 150 (D.D.C. 2018) (“An agency may carry its burden of showing an exemption was properly invoked by submitting sufficiently detailed affidavits or declarations, a *Vaughn* index of the withheld documents, or both, to demonstrate that the government has analyzed carefully any material withheld and provided sufficient information as to the applicability of an exemption to enable the adversary system to operate.”). “Ultimately, an agency’s justification for invoking a FOIA exemption is sufficient if it appears logical or plausible.” *Judicial Watch, Inc. v. U.S. Dep’t of Def.*, 715 F.3d 937, 941 (D.C. Cir. 2013) (per curiam) (quoting *ACLU*, 628 F.3d at 619).

### **III. DISCUSSION**

The parties dispute whether EPA properly asserted Exemption 5’s deliberative process privilege to withhold in full the 2018 Version-Formaldehyde Assessment. Application of the deliberative process privilege to this document is discussed below, following explanation of the legal standard for withholding a record pursuant to Exemption 5 and of the agency’s description of the 2018 Version-Formaldehyde Assessment.

#### **A. FOIA Exemption 5 Legal Standard**

Exemption 5 protects from disclosure “inter-agency or intra-agency memorandums or letters that would not be available by law to a party other than an agency in litigation with the agency.” 5 U.S.C. § 552(b)(5). “Among th[e] privileges protected by Exemption 5 is

the . . . deliberative process privilege.” *Judicial Watch, Inc. v. U.S. Dep’t of Defense*, 847 F.3d 735, 739 (D.C. Cir. 2017) (alteration and omission in original) (quoting *Arthur Andersen & Co. v. IRS*, 679 F.2d 254, 257 (D.C. Cir. 1982)); *see also Abteu v. U.S. Dep’t of Homeland Sec.*, 808 F.3d 895, 898 (D.C. Cir. 2015). “To protect agencies from being ‘forced to operate in a fishbowl,’ the deliberative process privilege shields from disclosure ‘documents reflecting advisory opinions, recommendations and deliberations comprising part of a process by which governmental decisions and policies are formulated.’” *Sierra Club*, 141 S. Ct. at 785 (first quoting *Mink*, 410 U.S. at 87; and then quoting *NLRB v. Sears, Roebuck & Co.* (“*Sears*”), 421 U.S. 132, 150 (1975)); *see also Pavement Coatings Tech. Council v. U.S. Geological Survey*, 995 F.3d 1014, 1021 (D.C. Cir. 2021) (noting that deliberative process privilege “was ‘intended to protect not simply deliberative material, but also the deliberative process of agencies.’” (quoting *Montrose Chem. Corp. v. Train*, 491 F.2d 63, 71 (D.C. Cir. 1974))). It “is rooted in ‘the obvious realization that officials will not communicate candidly among themselves if each remark is a potential item of discovery and front page news.’” *Sierra Club*, 141 S. Ct. at 785 (quoting *Dep’t of Interior v. Klamath Water Users Protective Ass’n*, 532 U.S. 1, 8–9 (2001)); *see also Judicial Watch, Inc.*, 847 F.3d at 739 (noting that the deliberative process privilege is predicated on the theory that “agencies craft better rules when their employees can spell out in writing the pitfalls as well as the strengths of policy options, coupled with the understanding that employees would be chilled from such rigorous deliberation if they feared it might become public”). The privilege is intended “[t]o encourage candor, which improves agency decisionmaking,” by “blunt[ing] the chilling effect that accompanies the prospect of disclosure.” *Sierra Club*, 141 S. Ct. at 785; *see also Machado Amadis v. U.S. Dep’t of State*, 971 F.3d 364, 371 (D.C. Cir. 2020) (noting that the deliberative process privilege is intended to “protect[] ‘debate and candid consideration of

alternatives within an agency,’ thus improving agency decisionmaking”) (quoting *Jordan v. Dep’t of Justice*, 591 F.2d 753, 772 (D.C. Cir. 1978) (en banc)).

“To qualify for the deliberative process privilege, an intra-agency memorandum must be both pre-decisional and deliberative.” *Abtew*, 808 F.3d at 898 (citing *Coastal States Gas Corp. v. Dep’t of Energy* (“*Coastal States*”), 617 F.2d 854, 866 (D.C. Cir. 1980)); *see also Pavement Coatings Tech. Council*, 995 F.3d at 1021; *Hall & Assocs. v. EPA*, 956 F.3d 621, 624 (D.C. Cir. 2020).<sup>10</sup> The Supreme Court clarified the contours of these requirements in *Sierra Club*, 141 S. Ct. 777, emphasizing that the privilege protects agency documents that “reflect [an agency’s] preliminary view” rather than its “final decision” on a matter, noting that “[t]he privilege . . . distinguishes between predecisional, deliberative documents, which are exempt from disclosure, and documents reflecting a final agency decision and the reasons supporting it, which are not,” *id.* at 785–86. “Documents are ‘predecisional’ if they were generated before the agency’s final decision on the matter, and they are ‘deliberative’ if they were prepared to help the agency formulate its position.” *Id.* at 786 (citing *Sears*, 421 U.S. at 150–52; *Renegot. Bd. v. Grumman Aircraft Eng’g Corp.*, 421 U.S. 168, 184–86, 190 (1975)); *see also Judicial Watch, Inc.*, 847 F.3d at 739 (“Documents are ‘predecisional’ if they are ‘generated before the adoption of an agency policy,’ and ‘deliberative’ if they ‘reflect[] the give-and-take of the consultative process.’” (alteration in original) (quoting *Pub. Citizen, Inc. v. Off. of Mgmt. & Budget*, 598 F.3d 865, 874 (D.C. Cir. 2010))). “There is considerable overlap between these two prongs because a document cannot be deliberative unless it is predecisional.” *Sierra Club*, 141 S. Ct. at 786.

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<sup>10</sup> At the outset, an agency can claim the deliberative process privilege only with respect to “inter-agency or intra-agency memorandums or letters.” 5 U.S.C. § 552(b)(5). The 2018 Version-Formaldehyde Assessment has not been shared outside the agency and “is a purely internal agency document,” 1st Orme-Zavaleta Decl. ¶ 13, and thus satisfies Exemption 5’s threshold requirement that a record be an inter-agency or intra-agency communication.



*Sierra Club* instructs that “a court must evaluate the documents ‘in the context of the administrative process which generated them’” to decide whether a document represents an agency’s final decision. *Id.* (quoting *Sears*, 421 U.S. at 138). “[D]etermining whether an agency’s position is final for purposes of the deliberative process privilege is a functional rather than formal inquiry,” *id.* at 788, that focuses on “whether [the record] communicates a policy on which the agency has settled,” *id.* at 786. To answer this question, “courts must consider whether the agency treats the document as its final view on the matter.” *Id.* (citing *Sears*, 421 U.S. at 161). “[O]nce cited as the agency’s final view, the document reflects ‘the consummation of the agency’s decisionmaking process’ and not a ‘merely tentative position,’” and therefore loses the protection of Exemption 5. *Id.* (quoting *Bennett v. Spear*, 520 U.S. 154, 177–78 (1997)). On the other hand, “a document that leaves agency decisionmakers ‘free to change their minds’ does not reflect the agency’s final decision” and is exempt from disclosure. *Id.* (quoting *Grumman Aircraft Eng’g Corp.*, 421 U.S. at 189–90 & n.26). A record’s “real operative effect” is probative of its finality, but is assessed by reference “to the legal, not practical, consequences that flow from an agency action.” *Id.* at 787 (citing *Sears*, 421 U.S. at 159 n.25, 160). Thus, a document that reflects an agency view “that [is] subject to change,” *id.* at 786, may be exempt as predecisional and deliberative even if it in fact “has the effect of changing an agency’s course,” *id.* at 788. “The government, not the requester, must identify the deliberative process to which any record relates.” *Ctr. for Investigative Reporting v. U.S. Customs & Border Prot.*, 436 F. Supp. 3d 90, 101 (D.D.C. 2019) (citing *100Reporters LLC v. U.S. Dep’t of Justice*, 248 F. Supp. 3d 115, 152 (D.D.C. 2017)).

## **B. Description of the 2018 Version-Formaldehyde Assessment**

According to EPA, the 2018 Version-Formaldehyde Assessment at issue “is one working draft version of the Formaldehyde Assessment that was being developed in Step 1 of the IRIS

process.” 1st Orme-Zavaleta Decl. ¶ 14. It “is a Microsoft Word document that contains numerous comments and redlined edits from multiple staff members . . . that reflect ongoing . . . deliberations as to the type of analysis EPA should be conducting, which scientific studies should be used as part of the assessment, and the type, scope, and substantive content of the agency’s proposed conclusions and recommendations.” *Id.* ¶ 15. Since the IRIS formaldehyde assessment remains in IRIS Step One, this document has not been subject to IRIS Steps Two and Three (*i.e.*, Agency Review and Interagency Science Consultation), *id.*, and, in fact, “is a purely internal agency document” that “was not shared beyond” the EPA’s Office of Research and Development, the particular office that administers the IRIS program, *id.* ¶ 13. Furthermore, “since EPA staff continued to work on the Formaldehyde Assessment after the date the [2018 Version-Formaldehyde Assessment] was created, there are later versions of the draft Formaldehyde Assessment” that postdate the 2018 Version-Formaldehyde Assessment. *Id.* ¶ 14.

The process of drafting the 2018 Version-Formaldehyde Assessment began “with scoping and problem formulation to identify the level of information needed,” and that process “reflects the identification of relevant studies across multiple scientific disciplines through a structured literature search; evaluation of study methods; analysis and synthesis of evidence from identified studies across human, animal, and mechanistic lines of information; integration of the available evidence; and hazard identification.” *Id.* ¶ 15. In the process of drafting the assessment, IRIS may also need to identify one or more studies to “use[] as the basis to derive toxicity values” for formaldehyde. *Id.* As EPA explains, “[t]he selection, organization, and analysis of factual information is precisely the purpose of” the IRIS formaldehyde assessment. *Id.* As such, according to the agency, the 2018 Version-Formaldehyde Assessment “reflects staff opinions,

analysis, and discussions relating to EPA’s decision-making processes about the potential risks associated with formaldehyde inhalation.” *Id.*

**C. The 2018 Version-Formaldehyde Assessment Is Predecisional and Deliberative**

As detailed below, the administrative context in which the 2018 Version-Formaldehyde Assessment was produced, the substance of this document, and the fact that this document predates the still-nonexistent final IRIS formaldehyde assessment, together, indicate that this document “reflect[s] a preliminary view,” rather than a “final decision,” about the effects of formaldehyde, *Sierra Club*, 141 S. Ct. at 786, and therefore is protected by the deliberative process privilege.

First is “the obvious point” that EPA “identified th[is] document[] as [a] “draft[],” which is “by definition, a preliminary version of a piece of writing subject to feedback and change.” *Id.* Of course, EPA’s application of the label “draft” is not dispositive, yet here, as in *Sierra Club*, “administrative context confirms that the draft[] [is] what [it] sound[s] like: [an] opinion[] that [is] subject to change.” *Id.* Specifically, an assessment at IRIS Step One must still proceed through IRIS Steps Two and Three—Agency Review and Interagency Science Consultation—during which the draft is substantively reviewed and, crucially, subject to revision as needed. *See* 1st Orme-Zavaleta Decl. ¶ 8. Thus, the agency’s view of the 2018 Version-Formaldehyde Assessment being at Step One of the IRIS program thus “specifically contemplates further review by the agency after receipt of the draft, and with it, the possibility of changes to the [assessment] *after*” IRIS Step One is completed, *Sierra Club*, 141 S. Ct. at 787 (emphasis in original). This possibility for subsequent changes indicates that the 2018 Version-Formaldehyde Assessment is predecisional and deliberative. *See id.*; *see also, e.g., Am. Soc’y for Prevention of Cruelty to Animals v. Animal & Plant Health Inspection Serv.*, 19 Civ. 3112

(NRB), 2021 WL 1163627, at \*12 (S.D.N.Y. Mar. 25, 2021) (finding exempt under *Sierra Club* information that “would reveal the Agencies’ interim thoughts on courses of action that are contingent and subject to change”).<sup>11</sup>

Second, the 2018 Version-Formaldehyde Assessment precedes, and “contribute[s]” to, *Morley v. CIA*, 508 F.3d 1108, 1126–27 (D.C. Cir. 2007), the eventual final IRIS formaldehyde assessment, and as such was “generated before the agency’s final decision on the” health effects of formaldehyde, *Sierra Club*, 141 S. Ct. at 786. That final formaldehyde assessment will, once all seven of the IRIS steps are completed with release to the public, represent the EPA’s official statement on the health risks of formaldehyde, and as such will inform not only other EPA programs but also the general public. *See supra* Part I.A. The fact that the 2018 Version-Formaldehyde Assessment precedes that final assessment—indeed, no such final assessment yet exists—further confirms that the 2018 Version-Formaldehyde Assessment is predecisional. *See Judicial Watch, Inc.* 847 F.3d at 739 (“Documents are ‘predecisional’ if they are ‘generated before the adoption of an agency policy[.]’ . . . .” (quoting *Pub. Citizen, Inc. v. Off. of Mgmt. & Budget*, 598 F.3d 865, 874 (D.C. Cir. 2010))). Furthermore, although the final formaldehyde assessment will affect, *inter alia*, EPA policymaking, the 2018 Version-Formaldehyde Assessment itself carries no consequences, either legal or practical, further supporting the conclusion that the document is predecisional. *See Sierra Club*, 141 S. Ct. at 787 (emphasizing “the legal, not practical, consequences that flow from an agency’s action” in assessing finality).

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<sup>11</sup> Plaintiff argues that the 2018 Version-Formaldehyde Assessment is not “subject to change” within the meaning of *Sierra Club*, because, unlike the records reviewed in that case, the formaldehyde assessment would be subject to change even after release to the public at IRIS Step Four. Pl.’s Suppl. Mem. at 4. Evidently, plaintiff’s reasoning is that because this document is subject to change *after* Step Four, the fact that the document is subject to change *before* release at Step Four is immaterial to its status as predecisional. *See id.* Plaintiff offers no support for this myopic reading of *Sierra Club*, and nothing in the Court’s opinion in that case suggests that an agency’s provisional, nonfinal position on a matter loses its status as predecisional simply because a later version is also nonfinal. *See Sierra Club*, 141 S. Ct. at 786–88.

Third, the 2018 Version-Formaldehyde Assessment not only is labeled a draft and subject, pursuant to EPA’s IRIS policy, to internal revision before public release, but also contains ordinary indicia of a draft document, bolstering the conclusion that this document is a predecisional, deliberative document protected by the deliberative process privilege. Specifically, as noted, the 2018 Version-Formaldehyde Assessment contains redlines, indicating proposed changes, and comment bubbles, reflecting commenters’ opinions on and proposals concerning specific portions of the draft. *See* 1st Orme-Zavaleta Decl. ¶ 15; *see also Taylor Energy Co. LLC v. U.S. Dep’t of Interior*, 271 F. Supp. 3d 73, 95 (D.D.C. 2017) (holding that draft versions of agency memorandum that contained “comments and redlines edits” were properly withheld pursuant to deliberative process privilege). The reasons such redlines and comments are significant are two-fold. These markings themselves comprise part of EPA’s deliberative process, reflecting IRIS staff’s tentative ideas, proposals, and recommendations on the substance of the 2018 Version-Formaldehyde Assessment, and plainly “reflect the personal opinions of the writer rather than the policy of the agency,” *Coastal States*, 617 F.2d at 866; *see also* 1st Orme-Zavalet Decl. ¶¶ 14–15. Relatedly, these redlines and comments also corroborate the “administrative context,” *Sierra Club*, 141 S. Ct. at 786, in which the 2018 Version-Formaldehyde Assessment is situated, highlighting that EPA treated this document as a work in progress, not a final statement of agency policy, *see id.* Indeed, the fact that subsequent draft versions of the document were created after the creation of the 2018 Version-Formaldehyde Assessment at issue here, *see* 1st Orme-Zavaleta Decl. ¶ 14, only underscores that this document is EPA’s “preliminary view,” rather than its “final decision,” on the health risks of formaldehyde, *Sierra Club*, 141 S. Ct. at 786.

Finally, even putting aside the existence of redlines and comments, the 2018 Version-Formaldehyde Assessment is protected by the deliberative process privilege because the document comprises the agency’s tentative selection and synthesis of facts and studies upon which to base its assessment of the health effects of formaldehyde, which are quintessentially deliberative. “[W]ell-established law in this Circuit [provides] that the deliberative process privilege operates to shield from disclosure agency decision-making reflecting the collection, culling and assessment of factual information or . . . data.” *Ctr. for Biological Diversity v. EPA*, 369 F. Supp. 3d 1, 20 (D.D.C. 2019) (collecting cases); *see also Mapother v. Dep’t of Justice*, 3 F.3d 1533 (D.C. Cir. 1993) (holding that deliberative process privilege protected document organizing facts relevant to decision to exclude foreign leader from United States); *Ancient Coin Collectors Guild v. U.S. Dep’t of State*, 641 F.3d 504, 513 (D.C. Cir. 2011) (holding exempt factual information “culled . . . from the much larger universe of facts” available because this “reflect[ed] an exercise of judgment as to what issues are most relevant to the pre-decisional findings and recommendations” (internal quotation marks omitted)); *Goodrich Corp. v. EPA*, 593 F. Supp. 2d 184, 189 (D.D.C. 2009) (“[E]ven if the data plugged into the model is itself purely factual, the selection and calibration of data is part of the deliberative process to which Exemption 5 applies.”); *Reliant Energy Power Generation, Inc. v. FERC*, 520 F. Supp. 2d 194, 205–06 (D.D.C. 2007) (finding “spreadsheets and tables that analyze raw data” exempt from disclosure (alteration and internal quotation marks omitted)). As explained, the 2018 Version-Formaldehyde Assessment reflects “identification of relevant studies across multiple scientific disciplines . . . evaluation of study methods; analysis and synthesis of evidence from identified studies . . . and hazard identification.” 1st Orme-Zavaleta Decl. ¶ 15. Such “selection, organization, and analysis of factual information” “constitutes an exercise of judgment by EPA

staff.” *Id.* EPA further notes that because the 2018 Version-Formaldehyde Assessment’s “[i]ntegration of evidence across studies inherently requires scientific judgment and consideration of the strengths and weaknesses of the available studies,” disclosure “of even the factual information contained within [the 2018 Version-Formaldehyde Assessment] would expose the agency’s deliberative process, including exposing the agency’s preliminary deliberations, thoughts, and analyses.” *Id.* ¶ 16. The 2018 Version-Formaldehyde Assessment, which comprises the facts and data provisionally selected and relied upon by EPA, was therefore properly withheld under Exemption 5.

#### **D. Plaintiff’s Objections Are Unavailing**

Notwithstanding that the 2018 Version-Formaldehyde Assessment is a work-in-progress document preceding EPA’s final IRIS formaldehyde assessment and is, per the IRIS program, expressly subject to further agency revision, plaintiff advances several arguments that the 2018 Version-Formaldehyde Assessment nevertheless falls outside the protection of the deliberative process privilege. These contentions are considered in turn, and each is rejected.

##### *1. Plaintiff’s Overreliance on Pruitt’s Senate Testimony*

The first and most serious flaw with plaintiff’s position that the 2018 Version-Formaldehyde Assessment is not protected by the deliberative process privilege is its insistence that EPA has prepared a Step Four formaldehyde assessment—that is, a formaldehyde assessment that has undergone Agency Review and Interagency Science Consultation and is now ready for public release for comment and peer review at Step Four. Many of plaintiff’s arguments are directed to whether *that* hypothetical document is protected by the deliberative process privilege. *See, e.g.*, Pl.’s Opp’n at 21–22, 31–33.

Such arguments are simply beside the point. To begin with, as already explained, plaintiff has voluntarily narrowed the scope of the instant lawsuit to the single issue of whether

EPA properly withheld the 2018 Version-Formaldehyde Assessment pursuant to the deliberative process privilege. *See supra* Part I.E; JSR ¶ 4. Thus, arguments about whether some other, hypothetical document was properly withheld fall outside the agreed-upon scope of the instant lawsuit. In an apparent effort to bypass that agreed-upon scope, plaintiff argues that its FOIA request “did not seek one specific unfinished version of the Draft IRIS [Assessment], but *any* version, with a specific aim towards the version that EPA reported years ago was in a final state and ready for public scrutiny.” Pl.’s Opp’n at 18 (emphasis in original). That may well be an accurate description of what plaintiff originally sought with its *FOIA request*, but disregards the parties’ agreed-upon scope to focus the instant *lawsuit* on the 2018 Version-Formaldehyde Assessment, and therefore misstates the issue before the Court.

Moreover, the record suggests that the hypothetical document regarding which plaintiff spills much ink—again, an IRIS Step Four formaldehyde assessment ready to be released for public comment—simply does not exist. According to the EPA, via declarations by the highest-ranking career EPA employee responsible for overseeing the IRIS formaldehyde assessment, and attested to under penalty of perjury, the IRIS draft formaldehyde assessment was, after 2011, returned to IRIS Step One, never completed Steps Two and Three, and thus never reached Step Four, such that a “clean” version ready for public comment and external peer review has not been created. *See* 1st Orme-Zavaleta Decl. ¶ 9 (“[The 2018 Version-Formaldehyde Assessment] has only proceeded through the first step of the IRIS process, Draft Development.”); 2nd Orme-Zavaleta Decl. ¶¶ 3–4 (“The 2018 Version-Formaldehyde Assessment has only proceeded through the draft development phase of the IRIS process. The Agency review step (Step 2) was never initiated for the [2018 Version-Formaldehyde Assessment], nor has the [2018 Version-Formaldehyde Assessment] gone through the



Interagency review step (Step 3).”); *see also* Def.’s Reply at 14 (affirming that “clean” or “Step 4” version of the formaldehyde assessment, other than the Step Four assessment released in 2010, “does not exist”).

Indeed, plaintiff concedes that EPA may not have produced the IRIS Step Four formaldehyde assessment sought in the FOIA request. *See* Pl.’s Opp’n at 18 (acknowledging the possibility that “no Step 4 Draft IRIS report ever existed”). Nevertheless, plaintiff presses the argument that such a version of the formaldehyde assessment does exist—suggesting, by implication, that EPA is dissembling before the Court in affirming otherwise—in reliance on then-Administrator Pruitt’s January 2018 testimony before the Senate Committee on the Environment and Public Works. As plaintiff characterizes this testimony, Pruitt “testified to the U.S. Senate that he understood that ‘the EPA ha[d] finalized its conclusion that formaldehyde causes leukemia and other cancers, and that that completed new assessment [was] ready to be released for public review.’” Pl.’s Opp’n at 3 (alterations in original) (quoting Senate Hr’g at 278).

This is, at best, an incomplete description of Pruitt’s testimony. As described, *see supra* Part I.D, Senator Markey, not Pruitt, stated during the hearing that “it is [his] understanding that the EPA has finalized its conclusion that formaldehyde causes leukemia and other cancers, and that that completed new assessment is ready to be released for public review[,] [b]ut [the assessment] is still being held up.” Def.’s Reply at 4 (quoting Senate Hr’g at 278). In response to that statement, and to Markey’s question whether Pruitt could provide an update concerning EPA’s handling of the IRIS formaldehyde assessment, Pruitt stated that “[his] understanding is similar to [Senator Markey’s], but [he would] confirm that and provide the information to [Senator Markey]. *Id.* (quoting Senate Hr’g at 278). Thus, Senator Markey’s statement of the

situation contained three subsidiary claims: (1) EPA had finalized its conclusion that formaldehyde causes cancer; (2) the assessment is ready to be released for public review; and (3) the assessment was nevertheless being “held up.” Which of those three claims, or subset thereof, to which Pruitt was agreeing when he stated that his understanding was “similar” to Senator Markey’s is unclear.

More to the point, even accepting, *arguendo*, plaintiff’s characterization of this statement as confirming that an IRIS Step Four formaldehyde assessment existed and was being held back from public release, this brief testimony is too slender a reed to support plaintiff’s desired result that such facts are established. This brief testimony by an agency head responsible for the administration of an entire executive branch agency and all of its subsidiary offices, programs, and initiatives, about the status of a particular report within a specific agency program, made in the context of responding to a query at a Senate hearing—and couched with the caveat that the information must be checked—is simply less credible than, and must give way to, EPA’s affidavits in this case. Those affidavits, provided by the EPA official responsible for directing the agency component overseeing the IRIS program, make clear that Pruitt’s understanding, as stated at that hearing, was incorrect, and no such version of the formaldehyde assessment, ready for public release, existed. Furthermore, Pruitt’s agreement with Senator Markey’s understanding was tentative, and he expressly stated that he would need to confirm the status of the formaldehyde assessment and would follow up with Markey’s office as needed. Follow-up communications from EPA to Senator Markey did not confirm Pruitt’s testimony and instead stated that EPA was still “working to fully implement the NAS recommendations in all IRIS assessments released moving forward.” Pl.’s Reply at 4.<sup>12</sup>

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<sup>12</sup> As additional support for the claim that a new IRIS Step Four formaldehyde assessment exists, without public release, plaintiff points to EPA’s own website, which, according to plaintiff, indicates that the IRIS

Finally, plaintiff contends that EPA’s declarant herself confirmed, in congressional testimony on March 27, 2019, that EPA has a new IRIS Step Four formaldehyde assessment not yet released to the public. *See* Pl.’s Reply at 4–5 (citing House Science, Space, & Tech. Comm., *Hearing: EPA’s IRIS Program: Reviewing its Progress and Roadblocks Ahead* (“Hr’g Record”), YOUTUBE (Mar. 27, 2019), <https://www.youtube.com/watch?v=RwGG587A67U>). Specifically, in response to a question about the status of the IRIS formaldehyde assessment, EPA’s declarant, Dr. Jennifer Orme-Zavaleta, stated, “[W]e do have a draft formaldehyde assessment,” and noted that the draft would serve as a starting point for a separate EPA office’s work on a formaldehyde risk evaluation under the Toxic Substances Control Act. Pl.s’ Reply at 5 (quoting Hr’g Record at 1:17:17). Plaintiff argues that, because this statement “does not refer to . . . a series of increasingly marked up documents, or a jumble of redline comments,” the draft formaldehyde assessment referenced by Dr. Orme-Zavaleta’s must be “complete enough to be considered the definitive draft.” *Id.* This inference is unsupportable, and Dr. Orme-Zavaleta’s testimony, which clearly referred to a *draft* formaldehyde assessment, is entirely consistent with her declarations in the instant case that a Step Four formaldehyde assessment does not exist.

In sum, then, even putting aside the parties’ agreed-upon scope limitation in their cross-motions for summary judgment to whether the deliberative process privilege was properly applied to the 2018 Version-Formaldehyde Assessment, plaintiff’s various arguments that EPA possesses an IRIS Step Four formaldehyde assessment that is ready for public release are

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formaldehyde assessment is at Step Four of the IRIS process. *See* Pl.’s Opp’n at 9, 11; *see also* Pl.’s Reply at 4. EPA’s website does refer to an IRIS Step Four formaldehyde assessment, but this reference is to the 2010 Step Four formaldehyde assessment, which EPA moved back to Step One following NAS’s peer-review comments. *See* 2d Orme-Zavaleta Decl. ¶ 5 (“That website refers to the 2010 Assessment, not the [c]urrent Draft Assessment . . . [T]he 2010 Assessment reached Step 4 of the IRIS process and was released for public comment and external peer review[,] [and] . . . remains publicly available on EPA’s website today.”); *see also supra* Part I.B. Thus, plaintiff’s reliance on EPA’s website as proof of a new Step Four formaldehyde assessment is simply wrong.

unpersuasive. Not for the first time, plaintiff’s factual contentions “totter between the trivial and the speculative” and “do not undermine the reliability of the agency’s affidavits.” *Pub. Emps. for Env’tl Resp. v. U.S. Section, Int’l Boundary & Water Comm’n*, 740 F.3d 195, 201 (D.C. Cir. 2014) (Kavanaugh, J.).

2. *Plaintiff’s Remaining Arguments Against Withholding the 2018 Version-Formaldehyde Assessment*

Much of plaintiff’s briefing does not relate to the 2018 Version-Formaldehyde Assessment, which is the withheld document that is now the agreed-upon focus of this lawsuit, but instead on the speculative, nonexistent Step 4 Formaldehyde Assessment. *See, e.g.*, Pl.’s Opp’n at 21–22 (arguing “that the Step 4 Formaldehyde Assessment is not predecisional and therefore should be released”); *id.* at 31–33 (arguing that hypothetical IRIS Step Four formaldehyde assessment is final statement of agency policy and therefore not deliberative). To the extent plaintiff advances arguments applicable to the 2018 Version-Formaldehyde Assessment, those arguments are rejected.

First, plaintiff argues that the 2018 Version-Formaldehyde Assessment is not deliberative, because it consists of “purely factual materials.” Pl.’s Opp’n at 17; *see also id.* at 24 (claiming that “IRIS Assessments are purely factual reports.”); Pl.’s Suppl. Mem. at 6–7. To be sure, the deliberative process privilege does not protect “[u]nevaluated factual reports or summaries,” Pl.’s Opp’n at 16 (emphasis added) (quoting *Vaugh v. Rosen*, 523 F.2d 1136, 1143 (D.C. Cir. 1975)), but, as noted, “the deliberative process privilege operates to shield from disclosure agency decision-making reflecting the collection, culling and assessment of factual information or . . . data.” *Ctr. for Biological Diversity v. EPA*, 369 F. Supp. 3d at 20 (collecting cases). As explained, *see supra* Part III.A.3, the fact-selection at issue here plainly falls into the second category. The determination of which facts, and supporting studies, to rely upon in the

formaldehyde assessment is the central deliberative question that the IRIS staff must resolve in drafting the assessment. *See* 1st Orme-Zavaleta Decl. ¶ 15. Indeed, IRIS assessments are important to the general public in part because they reflect EPA’s expert evaluation and synthesis of the existing body of scientific study on a given chemical. As such, the 2018 Version-Formaldehyde Assessment involves the sort of substantive “culling” of factual materials, *Ctr. for Biological Diversity*, 369 F. Supp. 3d at 20, that qualifies it for protection under the deliberative process privilege.

Plaintiff relies on an out-of-circuit district court decision holding that the National Transportation Safety Board’s “selection of . . . data culled from hundreds of pages of data” was not protected by the deliberative process privilege, Pl.’s Opp’n at 27 (quoting *Lahr v. NTSB*, 453 F. Supp. 2d 1153, 1187 (C.D. Cal. 2006)); *see also* Pl.’s Reply at 13–14, but *Lahr* is readily distinguishable. In that case, the agency did no more to justify its claim that the data-selection was deliberative than to “cursorily stat[e] that ‘without the protection provided by the exemption, full and frank discussion of options and opinions so vital to the decision-makers would be impossible,’” and did not provide “an explanation or description of the communicative or evaluative procedures the [agency] followed in doing its ‘culling.’” *Lahr*, 453 F. Supp. 2d at 1187. Here, in contrast, EPA has explained in adequate detail the deliberative process underlying the IRIS formaldehyde assessment, namely the need for the exercise of scientific evaluation of extant formaldehyde studies to evaluate their methodological reliability, analysis of the evidence and findings of sound studies, and the synthesis and integration of such evidence and studies to reach an ultimate determination on the health effects of formaldehyde. *See* 1st Orme-Zavaleta Decl. ¶¶ 13–15; *see also supra* Part III.B.

Second, plaintiff argues that the 2018 Version-Formaldehyde Assessment is not predecisional, because “there was no ultimate *policy* decision, or even a process of formulating a policy,” to which the 2018 Version-Formaldehyde Assessment contributed and was antecedent. Pl.’s Opp’n at 20 (emphasis in original); Pl.’s Reply at 14–17; *see also, e.g., Sierra Club*, 141 S. Ct. at 786 (“Documents are ‘predecisional’ if they were generated before the agency’s final decision on the matter . . . .” (quoting *Sears*, 421 U.S. at 150–152)); *Petroleum Info Corp. v. Dep’t of Interior*, 976 F.2d 1429, 1435 (D.C. Cir. 1992) (“To fall within the deliberative process privilege, materials must bear on the formulation or exercise of agency policy-oriented *judgment*.” (emphasis in original)). This argument construes the scope of the deliberative materials encompassed by Exemption 5 too narrowly. The D.C. Circuit has long held that Exemption 5 “covers recommendations, draft documents, proposals, suggestions, and other subjective documents which reflect the personal opinions of the writer rather than the policy of the agency,” *Coastal States*, 617 F.2d at 866; *see also Pub. Citizen, Inc.*, 598 F.3d at 875, and the universe of covered agency decisions extends not only to official agency policies but also to agency decisions more generally, *see, e.g., Sierra Club*, 141 S. Ct. at 786 (noting that deliberative process privilege covers an agency’s “decisions” and “position[s]” in addition to more formal “policies”). The eventual final IRIS formaldehyde assessment is such an agency position to which the 2018 Version-Formaldehyde Assessment contributes. In other words, the fact that the aim of the formaldehyde assessment is to provide information about the health risks of formaldehyde, rather than to, for example, substantively regulate formaldehyde use, does not remove the 2018 Version-Formaldehyde Assessment from the scope of the deliberative process privilege, as the public release of an official agency statement of the health hazards of formaldehyde is an agency decision covered by Exemption 5. *See, e.g., Husch Blackwell LLP v.*

*EPA*, 442 F. Supp. 3d 114, 122–23 (D.D.C. 2020) (holding “materials preparing officials for congressional testimony and draft responses to Congress” exempt from disclosure under the deliberative process privilege (internal quotation marks omitted)); *Urban Air Initiative, Inc. v. EPA*, 271 F. Supp. 3d 241, 261 (D.D.C. 2017) (finding that agency decisions about study preliminary to creation of “an updated emissions model” were “exactly the type of agency judgments that the deliberative process privilege protects”).

Plaintiff further argues that, in assessing whether the 2018 Version-Formaldehyde Assessment is predecisional, “the relevant decision is not the issuance of the final IRIS Formaldehyde Assessment, but the publication of the public review draft at Step 4, because at Step 4 the document would have become public regardless.” Pl.’s Opp’n at 20. Even accepting plaintiff’s position that the relevant agency decision that the 2018 Version-Formaldehyde Assessment precedes and contributes to is the eventual IRIS Step Four formaldehyde assessment, rather than the final, IRIS Step Seven formaldehyde assessment, does not change the above analysis. Put another way, a Step Four assessment ready for public release and peer review is an agency decision for which antecedent deliberations are protected by the deliberative process privilege, and the work product generated in the development of such an agency decision is therefore predecisional, regardless of the fact that such a Step Four assessment would undergo further revision before becoming the final formaldehyde assessment. A Step Four assessment is still the agency’s final decision with respect to which provisional conclusions to present to the public for feedback. *See, e.g., Ecological Rights Found.*, 2021 WL 535725, at \*15 (“[A]n agency’s consideration of what information to present to external parties and how to present it is a [protected agency] decision in itself[.]”); *Am. Ctr. for Law & Justice v. U.S. Dep’t of Justice*, 325 F. Supp. 3d 162, 172 (D.D.C. 2018) (“[I]f agency deliberations about public statements were

FOIA-able, then agencies would be hamstrung . . .”). Accordingly, regardless of whether the agency decision toward which the 2018 Version-Formaldehyde Assessment contributes is the eventual Step Four assessment or the eventual final, Step Seven assessment, the 2018 Version-Formaldehyde Assessment is predecisional.

#### **E. Foreseeable Harm**

Plaintiff next argues that even if the 2018 Version-Formaldehyde Assessment is predecisional and deliberative, it is not protected by the deliberative process privilege because no harm would result from its disclosure. The FOIA Improvement Act provides that “[a]n agency shall withhold information . . . only if the agency reasonably foresees that disclosure would harm an interest protected by” one of the nine FOIA exemptions. 5 U.S.C. § 552(a)(8)(A). This provision requires agencies withholding information under an exemption to show not only that a withheld record “falls within a FOIA exemption,” but also “that the agency ‘reasonably foresees that disclosure would harm an interest protected by [the] exemption.’” *Machado Amadis*, 971 F.3d at 370 (alteration in original) (quoting 5 U.S.C. § 552(a)(8)(A)(i)(I)).

An agency successfully makes this second, “heightened” showing, *Judicial Watch, Inc. v. U.S. Dep’t of Com.*, 375 F. Supp. 3d 93, 100 (D.D.C. 2019), by “‘identify[ing] specific harms to the relevant protected interests that it can reasonably foresee would actually ensue from disclosure of the withheld materials’ and ‘connect[ing] the harms in [a] meaningful way to the information withheld,’” *Ctr. for Investigative Reporting*, 436 F. Supp. 3d at 106 (third alteration in original) (quoting *Judicial Watch, Inc. v. U.S. Dep’t of Justice* (“*Judicial Watch II*”), Civ. A. No. 17-0832 (CKK), 2019 WL 4644029, at \*5 (D.D.C. Sept. 24, 2019)); *see also* H.R. Rep. No. 114-391, at 9 (2016) (“An inquiry into whether an agency has reasonably foreseen a specific, identifiable harm that would be caused by a disclosure would require the ability to articulate both the nature of the harm and the link between the specified harm and specific information



contained in the material withheld.”). Agencies therefore “must provide more than ‘nearly identical boilerplate statements’ and ‘generic and nebulous articulations of harm.’” *Ctr. for Investigative Reporting*, 436 F. Supp. 3d at 106 (quoting *Judicial Watch II*, 2019 WL 4644029, at \*4–5).

“[T]he agency’s burden to demonstrate that harm would result from disclosure may shift depending on the nature of the interests protected by the specific exemption with respect to which a claim of foreseeable harm is made.” *Ecological Rights Found.*, 2021 WL 535725, at \*32 (citing *Rosenberg v. Dep’t of Def.*, 442 F. Supp. 3d 240, 259 (D.D.C. 2020); S. Rep. No. 114-4, at 8 (2015)). To demonstrate foreseeable harm with respect to exemptions under the deliberative process privilege, “[t]he agency ‘cannot simply rely on generalized assertions that disclosure could chill deliberations,’” but instead “must ‘provide context or insight into the specific decision-making processes or deliberations at issue, and how they in particular would be harmed by disclosure.’” *Id.* (first quoting *Machado Amadis*, 971 F.3d at 371; and then quoting *Ctr. for Investigative Reporting*, 436 F. Supp. 3d at 107).

The D.C. Circuit in *Machado Amadis* considered the adequacy of an agency’s foreseeable harm showing under the deliberative process privilege. The agency in that case produced, in response to the plaintiff’s FOIA request, a series of “Blitz Forms,” documents used to adjudicate FOIA appeals, with redactions under the deliberative process privilege. 971 F.3d at 369–71. In support of the redactions, the agency’s affidavit stated that the withheld materials revealed “line attorneys’ evaluations, recommendations, discussions, and analysis which are prepared for senior-level review and decisionmaking,” *id.* at 370 (internal quotation marks omitted), and asserted that disclosure of this information “would discourage line attorneys from candidly discussing their ideas, strategies, and recommendations, thus impairing the forthright internal

discussions necessary for efficient and proper adjudication of administrative appeals,” *id.* at 371 (alteration and internal quotation marks omitted). The D.C. Circuit deemed this showing of foreseeable harm sufficient, without any further factual proffer by the agency, because the agency “specifically focused on the information at issue” and properly “concluded that disclosure of that information would chill future internal discussions.” *Id.* (internal quotation marks omitted); *see also Ecological Rights Found.*, 2021 WL 535725, at \*32.

EPA’s declarations in this case make a similarly adequate showing. As in *Machado Amadis*, EPA has identified particular harms that are linked to “specific information contained in the material withheld,” *Judicial Watch II*, 2019 WL 4644029, at \*4 (internal quotation marks and citation omitted). First, EPA explains that disclosure of the 2018 Version-Formaldehyde Assessment would chill “frank analysis and evaluations” because “[i]f the staff working on this Assessment or a similar assessment knew that all of their edits and comments would someday be released . . . they would be less likely to freely discuss . . . scientific analysis.” Def.’s Reply at 16–17. This is not a hypothetical or speculative harm, since, as noted, fifteen other IRIS assessments are currently in various stages of drafting. 1st Orme-Zavaleta Decl. ¶ 7. Thus, release of the 2018 Version-Formaldehyde Assessment, and the accompanying realization by IRIS staff that their internal deliberations and draft work product are subject to disclosure under FOIA, would likely chill the agency’s work on those fifteen other chemical assessments. Second, EPA explains that release of the 2018 Version-Formaldehyde Assessment would cause “public confusion” because it may reveal “particular positions that may not represent the agency’s decisionmakers’ final conclusions of the health effects of formaldehyde,” and would disclose “staff opinions, which may or may not ripen into the final conclusions” of the agency.

1st Orme-Zavaleta Decl. ¶ 18.<sup>13</sup> The agency thus affirmatively concludes that disclosure of the 2018 Version-Formaldehyde Assessment would harm an interested protected by the deliberative process privilege. *See Sierra Club*, 141 S. Ct. at 785; *see also Machado Amadis v. Dep't of Justice*, 388 F. Supp. 3d 1, 18–19 (D.D.C. 2019) (citing *Jordan*, 591 F.2d at 772) (summarizing the relevant interests of the privilege).

Plaintiff advances three arguments in response. First, plaintiff contends that no harm would result from disclosure of the 2018 Version-Formaldehyde Assessment because the document has already been selectively shared outside the agency with the ACC at the January 2018 meeting with IRIS staff. Pl.'s Opp'n at 23. Thus, according to plaintiff, any harm from disclosure has already occurred, and the disclosure of the 2018 Version-Formaldehyde Assessment in response to plaintiff's FOIA request would result in no additional harm. This argument is easily dispatched, as it rests on a misapprehension of the substance of the January 2018 meeting between IRIS staff and the ACC. As noted, although IRIS staff discussed with the ACC its general methodological approach to the formaldehyde assessment, in light of the NAS's peer-review comments, the actual draft formaldehyde assessment—and, by extension, the agency's specific deliberations revealed therein—was not shared with the ACC. 2d Orme-Zavaleta Decl. ¶ 9.

Second, plaintiff argues that EPA's caution about the confusion caused by the release of the 2018 Version-Formaldehyde Assessment is not a cognizable harm in this case because the

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<sup>13</sup> Plaintiff implicitly acknowledges this possibility for confusion, and the fact that the 2018 Version-Formaldehyde Assessment will likely differ in substance from the IRIS formaldehyde assessment ultimately released at Step Four, when stating that it seeks the 2018 Version-Formaldehyde Assessment because “after a new [Step Four] assessment is released, it would be useful to compare it to the agency's previous conclusions,” namely those stated in the 2018 Version-Formaldehyde Assessment. Pl.'s Suppl. Mem. at 14. This precise scenario, in which two substantively different versions of an agency document are publicly released, creating uncertainty over which is the agency's official statement, is a specific harm that the deliberative process privilege is intended to ameliorate. *See, e.g., Machado Amadis*, 388 F. Supp. 3d at 18.

public is already “[t]erminally [c]onfused” about the state of the IRIS formaldehyde assessment. Pl.’s Opp’n at 39–40. This argument falls far short of being persuasive. Any extant public confusion does nothing to diminish the fact that the release of the 2018 Version-Formaldehyde Assessment would likely only add to the confusion about the agency’s positions. In any event, plaintiff equivocates over the relevant public confusion that EPA cites as a harm that would result from releasing the 2018 Version-Formaldehyde Assessment. The agency’s concern is that release of the 2018 Version-Formaldehyde Assessment would generate public confusion over which document represents the agency’s Step Four IRIS assessment that has gone through Agency Review and Interagency Science Consultation, and is therefore ready for public comment and outside peer review. *See* Def.’s Reply at 18. Plaintiff, in contrast, posits that the public is “already confused about why the completed [formaldehyde] Assessment was abandoned.” Pl.’s Opp’n at 39. The circumstances of the delay of the IRIS Step Four formaldehyde assessment are entirely distinct from the eventual substance of that Step Four assessment, and thus any public confusion about the former in no way undercuts EPA’s explanation that release of the 2018 Version-Formaldehyde Assessment would generate confusion about the latter.

Third, citing the ACC letter’s characterization that EPA was simply “restructuring” the 2010 draft formaldehyde assessment, rather than “revisit[ing] the science,” plaintiff argues that any revelation of the agency’s deliberative process arising from disclosure of the 2018 Version-Formaldehyde Assessment’s release has, in fact, already occurred, with the release of the 2010 Step Four assessment. Pl.’s Opp’n at 24. This argument rests on a faulty factual premise. As already noted, according to EPA, ACC’s characterization of the revisions being undertaken since 2011—namely that the assessment is merely being restructured rather than substantively

revised—“is incorrect,” and, to the contrary, although “the [2018 Version-Formaldehyde Assessment] does present information and conclusions in a new structure compared to the [p]revious [2010] [a]ssessment, it also incorporates new studies and updated analyses to reflect the latest science on formaldehyde toxicity.” 2d Orme-Zavaleta Decl. ¶ 10; *see also supra* note 6.

In sum, then, the agency has identified two harms that the deliberative process privilege is meant to prevent, chilling of agency deliberations and public confusion, *see Machado Amadis*, 388 F. Supp. 3d at 18–19 (summarizing the relevant interests of the privilege), and has adequately linked those harms to the disclosure of the particular information contained in the 2018 Version-Formaldehyde Assessment. EPA has therefore satisfied the foreseeable harm requirement.

#### **F. Segregability**

FOIA requires that “[a]ny reasonably segregable portion of a record shall be provided to any person requesting such record after deletion of the portions which are exempt” from disclosure. 5 U.S.C. § 552(b). Producing segregable information is essential for agencies’ FOIA compliance, and “district courts cannot approve withholding exempt documents ‘without making an express finding on segregability.’” *Machado Amadis*, 971 F.3d at 371 (quoting *Morley*, 508 F.3d 1108 at 1123); *see also, e.g., Porup v. CIA*, No. 20-5144, 2021 WL 2021615, at \*11 (D.C. Cir. May 21, 2021) (“[A] trial court must make a segregability finding if a federal agency has redacted or withheld documents pursuant to FOIA exemptions.”); *Stolt-Nielsen Transp. Grp. Ltd. v. United States*, 534 F.3d 728, 734 (D.C. Cir. 2008) (“[B]efore approving the application of a FOIA exemption, the district court must make specific findings of segregability regarding the documents to be withheld.” (internal quotation marks and citation omitted)); *Sussman v. U.S. Marshals Serv.*, 494 F.3d 1106, 1116 (D.C. Cir. 2007) (same).

In evaluating segregability, “[a]gencies are entitled to a presumption that they complied with the obligation to disclose reasonably segregable material.” *Sussman*, 494 F.3d at 1117. Even under that presumption, “the agency must provide a ‘detailed justification’ for [the exempt material’s] non-segregability,” but need not “provide so much detail that the exempt material would be effectively disclosed.” *Johnson v. Exec. Off. for U.S. Att’ys*, 310 F.3d 771, 776 (D.C. Cir. 2002) (quoting *Mead Data Ctr., Inc. v. Dep’t of Air Force*, 566 F.2d 242, 261 (D.C. Cir. 1977)). Affidavits attesting to the agency’s “line-by-line review of each document withheld in full” and the agency’s determination “that no documents contained releasable information which could be reasonably segregated from the nonreleasable portions,” in conjunction with a description of the withheld record, suffice. *Id.* (internal quotation marks omitted); *see also Loving v. Dep’t of Def.*, 550 F.3d 32, 41 (D.C. Cir. 2008).

Contrary to plaintiff’s claim that EPA “made no attempt to segregate any purely factual information, or to specify why it could not,” Pl.’s Opp’n at 41, EPA has made the necessary segregability showing here. EPA explains that “[f]actual information contained in the [2018 Version-Formaldehyde Assessment] cannot be reasonably segregated from the deliberative content,” since “any purely factual information contained within the [2018 Version-Formaldehyde Assessment] is so thoroughly integrated with agency deliberations that its disclosure would reveal those deliberations.” 1st Orme-Zavaleta Decl. ¶ 16; *see also* Bell Decl. ¶ 17 (plaintiff’s declarant stating that he was informed by EPA, in December 2019, that agency was assessing segregability of the 2018 Version-Formaldehyde Assessment and ultimately determined, in January 2020, that the entire document was exempt from disclosure under Exemption 5). More specifically, EPA notes that because the 2018 Version-Formaldehyde Assessment’s “[i]ntegration of evidence across studies inherently requires scientific judgment

and consideration of the strengths and weaknesses of the available studies,” disclosure “of even the factual information contained within the [2018 Version-Formaldehyde Assessment] would expose the agency’s deliberative process, including exposing the agency’s preliminary deliberations, thoughts, and analyses.” 1st Orme-Zavaleta Decl. ¶ 16. Such “inextricably intertwined” language of similar specificity to that expressed by EPA is routinely found to be sufficient for segregability purposes. *See, e.g., Elec. Frontier Found. v. Dep’t of Justice*, 739 F.3d 1, 12–13 (D.C. Cir. 2014); *Ecological Rights Found.*, 2021 WL 535725, at \*34 (relying on similar “inextricably intertwined” language in agency’s declarations); *Ctr. for Biological Diversity*, 369 F. Supp. 3d at 26 (same).

Nonetheless, plaintiff suggests that EPA can redact redline edits and comment bubbles from the 2018 Version-Formaldehyde Assessment, and that “segregation of those changes and comments would be relatively simple.” Pl.’s Opp’n at 16, 23, 31. In plaintiff’s view, apparently, EPA could simply withhold those features of the document and produce the remainder of the 2018 Version-Formaldehyde Assessment as nonexempt and unprotected by the deliberative process privilege. This argument erroneously presupposes that the only portion of the [2018 Version-Formaldehyde Assessment] exempt from disclosure is the redlines and comments. As explained, *see supra* Part III.A.3, the entire 2018 Version-Formaldehyde Assessment, not just the redline edits and comment bubbles, is protected by the deliberative process privilege, because the entire document reflects agency judgment, deliberation, and decisionmaking with respect to which facts and studies to feature in the IRIS formaldehyde assessment.

#### **IV. CONCLUSION**

For the foregoing reasons, EPA’s Motion for Summary Judgment is granted and plaintiff’s Cross-Motion for Summary Judgment is denied. EPA has justified its withholding in

full of the 2018 Version-Formaldehyde Assessment under Exemption 5's deliberative process privilege, shown that foreseeable harm would result from further disclosures, and complied with its segregability obligations.

An order consistent with this Memorandum Opinion will be entered contemporaneously.

Date: June 18, 2021

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BERYL A. HOWELL  
Chief Judge