

workflow_results__ACQUISITION_TARGETS_2026-06-09

I now have full context on what's already held and searched. I have everything I need to synthesize the final prioritized acquisition list. Let me build the markdown block, carefully marking each item against the existing register/open-questions and being honest about which locators were verified this run.

Key observations for dedup/markings:

- A0 (the 39 PVC docs) is now RESOLVED by the corpus-readability finding → that item becomes [ALREADY-LOGGED] enrichment.
- The toxicdocs deposition-index finds (H281, Kemner/Vertac second deposition) are genuinely NEW sharpenings of A1/A2.
- Doc B "extremely frightened" memo = Bates A303 Hercules 12 Jul 1965 confirmed in Dowdat1 — this is a major NEW concrete locator vs the register's [2] "secondary only" status.
- The 1983 NYT byline correction (Burnham not Blumenthal) sharpens A3.
- Several register placeholders (C2, C3, C4 in C-adjacent) now have confirmed DocumentCloud IDs.

Let me write the final section.

ACQUISITION TARGETS (refreshed) — synthesis of 12-lane survey + adversarial locator checks (run 2026-06-09)

How to read this: every item is deduped across lanes and against 03_DOCUMENT_REGISTER.md / 05_OPEN_QUESTIONS.md. Tag [NEW] = not previously logged; [SHARPENS] = an existing open item now with a concrete/better locator; [ALREADY-LOGGED] = restatement kept only because it is top-leverage. "Verified this run" means a real WebSearch/WebFetch/local-file check confirmed the locator *in this session*; where it didn't, the locator is marked **(to confirm)** and the archive named generically. **Hard rule honored:** no specific id below is printed as confirmed unless the survey's adversarial check actually resolved it this run.

TIER 1 — could change a central conclusion

1. [SHARPENS · A3] Doc B located as a concrete Bates: the 12 Jul 1965 Hercules "extremely frightened" memo (Poison Papers, DowDATA item A303, date 650712).

- WHY: This is the dossier's single "smoking-gun" Doc B, currently graded [2] — **wording traced only to a secondary popular account**. The adversarial

- check found its verbatim text ("Dow extremely frightened that this situation might explode... particularly fearful of a Congressional investigation") indexed in the Poison Papers Dow litigation index under Bates **A303**, dated 650712, attributed to Hercules Powder Co. — i.e., a real primary, not just the U.S. Veteran Dispatch paraphrase. Upgrading register Doc B from [2] toward [P].
- WHERE: The Poison Papers project on DocumentCloud (project 28127). Confirmed this run via the DowDATA index doc 3418806 ("Dowdat1") quoting item **A303 / 650712** verbatim; the full memo page sits inside the composite scans (see item 3). The standalone scan page id is **(to confirm)** — the memo exists only embedded in larger compiled PDFs.
 - ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (index entry + verbatim text). Standalone page-image id: not isolated.

2. [SHARPENS · A2/G2] Doc A located as a Bates: the 3 Jul 1963

Frawley → V.K. Rowe letter, exhibit code H281 14-1 5, inside the local MDL-381 Benjamin Harris deposition packet.

- WHY: Doc A is registered [abs] — **primary scan NOT located ANYWHERE**. The local OCR `...RBqNnvVrnkZ54xyyyqd90yKV.txt` (a Nov 11 1982 MDL 381 deposition transcript with an embedded witness/exhibit index) catalogs "john p. frawley's letter to V. K. rowe of 07-03-63" under in-document code **H281 14 / H281 14-1 5**. This is the first concrete production locator ever found for Doc A and the roadmap to request the actual H281-series scan.
- WHERE: ToxicDocs
<https://www.toxicdocs.org/d/RBqNnvVrnkZ54xyyyqd90yKV>; local `/mnt/data/Frawley/toxicdocs/3unclear__xxxx__na__Dioxin__RBqNnvVrnkZ54xyyyqd90yKV.txt` (74,116 lines; entry block at lines 57656–57680). Note "H281 14-1 5" is the document's own OCR exhibit/catalog code, **not** a formal Bates number.
- ACCESSIBILITY: online-free (index); the underlying H281 scan still needs to be pulled. VERIFIED THIS RUN: yes (local file + online hash both resolve to the same MDL 381 Harris deposition).

3. [SHARPENS · A1] Frawley's SECOND sworn testimony set — Kemner v. Monsanto / Vertac deposition (deposed Mar 8 1983; Feb 7–8 1984), via the local Kemner exhibit index.

- WHY: The dossier's whole A1 problem is that Frawley's MDL 381 deposition is sealed under PTO 43. The local OCR `...XRqYoX0mvYxZNM88K8VJ8qr3w.txt` reveals a *separate, likely-unsealed* body of sworn Frawley testimony in **Kemner v. Monsanto** (St. Clair County, IL) — witness-list entry verbatim: "John P. Frawley... Ph.D. Biological Chemistry; Deposed March 8, 1983, and February 7 & 8, 1984; Testified in deposition and at trial of Vertac case." It also resolves bio gap B3 (degree = **Ph.D. Biological Chemistry**) and supplies a 26-item pick-list of un-held Frawley dioxin primaries (1965–71) with PIN/exhibit numbers.
- WHERE: ToxicDocs
<https://www.toxicdocs.org/d/XRqYoX0mvYxZNM88K8VJ8qr3w>; local `...XRqYoX0mvYxZNM88K8VJ8qr3w.txt` (witness entry lines 5277–5290). Transcript

itself: **Kemner v. Monsanto record, St. Clair County, Illinois** (specific docket id **to confirm**).

- ACCESSIBILITY: online-free (index); transcript = needs-operator (Illinois court record). VERIFIED THIS RUN: yes (local file + online hash).

4. [SHARPENS · A1/A2/A3] Frawley MDL 381 deposition transcript + answering affidavit (with attached exhibits), NARA, RG 21, E.D.N.Y. case file.

- WHY: The actual sealed primaries the court paraphrased in 565 F. Supp. 1263 — the only place Doc A and Doc B may survive as Bates-stamped exhibits attached to sworn filings. Tests the central question A4.
- WHERE: U.S. District Court, E.D.N.Y., RG 21, **In re "Agent Orange," MDL No. 381** case file. EDNY 1980s civil files are stored off-site at NARA's **Lee's Summit, MO FRC** and retrieved to the **National Archives at New York City** reading room on request (newyork.archives@nara.gov). Cite Judge Pratt, the May-1983 SJ ruling, Special Master Schreiber; ask current seal status under **PTO 43 / 96 F.R.D. 582. No NARA accession/box/item id is confirmable — archive+procedure pointer only (locator generic)**. Correction to log: the SJ order is sourced as **"May 1983" / May 12** in the record, *not* "May 20" (May 20 is a contract end-date mis-imported); and Weinstein later **withdrew** Pratt's opinion before judgment.
- ACCESSIBILITY: physical-archive, seal-gated. VERIFIED THIS RUN: case identifiers and the EDNY → Lee's-Summit → NYC retrieval chain confirmed; **no call number** (generic).

5. [NEW · A1] Texas Tech Agent Orange Product Liability Litigation Collection (Collection 2652) — the chemical-company DEFENSE discovery files, opened June 2025.

- WHY: ~550 linear ft of MDL 381 *defense* files (~200 lf of deposition transcripts + exhibits), the producers' own copies — the likeliest route to a "Frawley"/"Hercules deposition" folder *outside* the PTO-43 seal. Best non-NARA bypass for A1/A2/A3.
- WHERE: Vietnam Center & Sam Johnson Vietnam Archive, Texas Tech, finding aid **2652000000** (<https://www.vietnam.ttu.edu/virtualarchive/items.php?item=2652000000>). Onsite-only (digitization planned). Ask reference staff to search the container list for "Frawley," "Hercules," "deposition," "government contractor defense."
- ACCESSIBILITY: physical-archive (onsite). VERIFIED THIS RUN: collection number, finding-aid id, scope, and June-2025 opening confirmed; no online container list naming Frawley (the folder match is a research hypothesis).

6. [SHARPENS · A1] NAL Young Collection item 6390 — MDL 381 court document dated 12 May 1983 (Box 192, Folder 5412).

- WHY: A discrete, already-cataloged, immediately-orderable MDL 381 filing dated to the exact SJ-motion window — cheapest physical primary tied to A1; may be the SJ order/record naming Hercules/Frawley.

- WHERE: <https://www.nal.usda.gov/exhibits/speccoll/items/show/6390> — NAL Alvin L. Young Collection, Series VIII Subseries I; title verbatim "United States District Court, Eastern District of New York In re: 'Agent Orange'... Before Honorable George C. Pratt... MDL No. 381," dated May 12, 1983. No digital scan on the page; request from NAL Special Collections. (Catalog confirms only the document + date, not its substantive tie to 565 F. Supp. 1263.)
- ACCESSIBILITY: needs-operator (metadata public; document offline). VERIFIED THIS RUN: yes (catalog record fetched twice).

7. [SHARPENS · B4/A1] U.S. v. Vertac (E.D. Ark., No. LR-C-80-109) case file + trial exhibit "PX 213 = Frawley deposition," NARA Kansas City, RG 21.

- WHY: PX 213 may be an *unsealed* excerpt of the same deposition sealed in MDL 381 — a back-door to Frawley's sworn testimony free of PTO 43; confirms register B4 and tests A4.
- WHERE: U.S. District Court, E.D. Ark., Western Division, RG 21. Arkansas RG 21 records confirmed transferred Fort Worth → **National Archives at Kansas City** (kansascity.archives@nara.gov, 400 W. Pershing Rd). Case No. **LR-C-80-109**; opinion 671 F. Supp. 595 (Woods, J.). **Caveat:** the accessioned EDAR civil-file series is described as 1938–1980, so a 1980-filed case may not yet be in custody — confirm before assuming. The exhibit id "**PX 213**" is **unverified** (echoed only from the dossier; reporter footnotes were paywall-blocked this run).
- ACCESSIBILITY: physical-archive. VERIFIED THIS RUN: case/court/NARA-KC transfer confirmed; **PX 213 not independently confirmed**.

8. [SHARPENS · A6] EPA "Summary of the IBT Review Program, Office of Pesticide Programs" (July 1983) — the OPP audit master list (valid vs. invalid IBT studies).

- WHY: This is the canonical document A6 asks for: it tabulates which IBT studies EPA invalidated (Exhibit B: 801 studies / 140 pesticides; 594 = 74% invalid). The place to check whether any Hercules-contracted IBT study (dioxathion/Delnav, toxaphene) carries an "invalid" determination — converting the IBT linkage from genre inference to confirmed.
- WHERE: EPA NEPIS, Dockey **91014ULV** — <https://nepis.epa.gov/Exe/ZyPDF.cgi/91014ULV.PDF?Dockey=91014ULV.PDF>. (Scanned image PDF, no text layer — needs OCR.)
- ACCESSIBILITY: online-free (fetchable; OCR needed). VERIFIED THIS RUN: yes (PDF binary pulled, title/Exhibit-B content confirmed).

9. [NEW · A6] EPA dioxathion (Delnav) FOIA science-review file — esp. the 14 Sep 1982 "Audit and Validation of the Three-Generation Reproduction Study with Delnav in Albino Rats" (D.B. Davies).

- WHY: The single most on-point IBT document for A6. Dioxathion/Delnav is the exact Hercules product Frawley co-authored with IBT president Calandra (bib item 9, 1963 TAP 5:605); a *multigeneration reproduction study* is the exact genre IBT falsified. An audit/validation memo on a Delnav three-

generation study could prove a SPECIFIC Frawley/Hercules study type was audited.

- WHERE:

<https://archive.epa.gov/pesticides/chemicalsearch/chemical/foia/web/pdf/037801/037801.htm> — Dioxathion PC Code 037801 index; the Davies audit and the 26 Jan 1983 Dioxathion Registration Standard are listed. Individual PDF filename **to confirm** (index hrefs didn't render); "Government of Canada" provenance unconfirmed.

- ACCESSIBILITY: online-free. VERIFIED THIS RUN: index URL + the 14 Sep 1982 audit entry confirmed.

10. [NEW · A6] **United States v. Keplinger / Calandra — the IBT criminal record (776 F.2d 678; 706 F.2d 225; 572 F. Supp. 1068).**

- WHY: Establishes exactly which IBT studies/people were criminally adjudicated fraudulent (convicted counts = TCC and Naprosyn studies) and that Frawley's co-author **Joseph C. Calandra** was a named defendant (severed mid-trial). Sharpens the analytic-memo point that Frawley's 1981 GLP-bashing manifesto coincided with his own co-author's prosecution.
- WHERE: Opinions free on CourtListener (opinion **460360** = 776 F.2d 678) / OpenJurist / law.resource.org. Trial record (~17,000 pp): NARA at Chicago, RG 21, N.D. Ill. (1983; pre-PACER; chicago.archives@nara.gov; no item-level box id confirmable). "Cardiac surgery" severance reason is an uncorroborated peripheral detail.
- ACCESSIBILITY: opinions online-free; trial record physical-archive. VERIFIED THIS RUN: all three reporter cites + CourtListener id + convicted-counts text confirmed.

11. [SHARPENS · A5/G3] **ProQuest Congressional witness-name sweep "Frawley, John P." (1970–1994) + CIS Hearings Index Names volumes for 1959–1969.**

- WHY: The instrument that converts the congressional negative (A5/G3) from absence-of-evidence into an airtight universal negative — and any hit is a major lead. CIS indexes hearings by witness name/affiliation.
 - WHERE: (a) ProQuest Congressional Advanced Search, field = "**Witness**", docs = "Hearings 1824-Present" (CIS/Annual covers 1970+) — needs-operator (licensed DB). (b) For the pre-1970 gap, the free **HathiTrust** full-view CIS Hearings Index **Record/102417902: pt. 7 (1959–1964) Names Index + pt. 8 (1965–1969) Names Index** (correction: there is no single "1958–69" part; use parts 7 & 8 = 1959–1969).
 - ACCESSIBILITY: ProQuest = needs-operator; HathiTrust parts = online-free. VERIFIED THIS RUN: ProQuest workflow/fields confirmed (no hit-count without login); HathiTrust record + full-view *Names* volumes confirmed.
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TIER 2 — substantive enrichment

12. [SHARPENS · C2/A3] 24 Mar 1965 "Chloracne Problem Meeting" minutes (Dow/Hercules/Diamond Alkali/Hooker) — now with a concrete DocumentCloud home.

- WHY: Closes register C2 ("exact DocumentCloud ID not yet isolated") and places Frawley physically inside the inter-company dioxin discussion. The minutes are **Bates A156** ("Report on the Chloracne Problem Meeting on 3/24/65," Silverstein → Rowe, 29 Mar 1965); attendees include "Dunn/Frawley [Hercules]," with "All were very appreciative of Dow's effort to steer them away from a danger area."
- WHERE: Poison Papers, DocumentCloud **3701701** ("PP D0038," full text) and composite scan **3418447** ("2B 131 731"). **Correction to log:** the register/open-questions anchor doc **3253794** is **NOT the minutes** — it is the 19 Mar 1965 *invitation* letter (=C1, Bates B 1575). No standalone DocumentCloud id equals the minutes; cite PP D0038 / Bates A156.
- ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (DocumentCloud API full-text + Bates A156).

13. [SHARPENS · C3] 24 Jun 1965 V.K. Rowe → Ross Milholland "exceptionally toxic... under no circumstances may this letter be reproduced... outside of Dow" letter — primary scan located.

- WHY: Upgrades register C3 from **[2] (quoted)** to **[P]**; the most-quoted Dow dioxin-knowledge document, corroborating the 565 F. Supp. 1263 chronology.
- WHERE: Poison Papers, DocumentCloud **3418447** ("2B 131 731"), pp. 135–136; indexed in DowDATA as item **A162 / date 650624**. **Correction to log:** it is NOT a standalone "B 15xx" Bates near B 1575 (that earlier framing was wrong) and the OCR does not index "Milholland" — findable only by body-phrase.
- ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (verbatim phrases via DocumentCloud search API).

14. [ALREADY-LOGGED · C4] 19 Dec 1964 Boehringer Ingelheim → Dow "extraordinary danger... not generally known" letter — page-level confirmation.

- WHY: Upgrades register C4 from [P-cite] to [P]; dates industry dioxin-knowledge to *before* the 1965 meetings Frawley attended (sharpens A4).
- WHERE: Poison Papers, DocumentCloud **3418422** ("1A-1-563"), Boehringer letter OCR on **page 98**. Caveats: page OCR reads "December 15, 1964" (vs 19 Dec — likely OCR 15/19); the "bundled 1956 Monsanto physician letter" is unconfirmed (the adjacent Monsanto letter in this bundle is dated 17 Mar 1965).
- ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (page 98 OCR via DocumentCloud API).

15. [SHARPENS · C3] FDA National Conference on Indirect Additives (Feb 13–14 1968): Goddard's opening address, via Food Drug Cosmetic Law Journal vol. 23 (1968).

- **WHY:** Closes the C3 residual ("full official proceedings volume and Goddard's opening address still unlocated"). Since Frawley's address became D8 in *FDC Law Journal* 23(5), Goddard's opening address may sit in an adjacent 1968 issue — the fastest realistic path. (No bound "official proceedings" volume surfaces in any library catalog; the archival fallback is FDA History Office consult then NARA RG 88 / series 88.9.)
- **WHERE:** *Food, Drug, Cosmetic Law Journal* vol. 23 (1968) — JSTOR [jstor.org/journal/fooddrugcosmlawj](https://www.jstor.org/journal/fooddrugcosmlawj) ; HathiTrust Record/000496194; HeinOnline [hein.journals/foodlj23](https://heinonline.org/hein/journals/foodlj23) . Browse all 1968 TOCs for a Goddard/"Opening Address" item. No specific issue/page for a Goddard item confirmed.
- **ACCESSIBILITY:** online-paid. VERIFIED THIS RUN: journal/volume + serial-conference-publication pattern confirmed; **no Goddard item id confirmed.**

16. [SHARPENS · C3/D3] Food Chemical News, Feb 19 1968 — the fuller Frawley–Summerson "showdown" report (ToxicDocs, Bates ASI-PR 0000576).

- **WHY:** A fuller third-party account of the National-Conference confrontation than the excerpt now held; headline "FDA AGREES TO CONSIDER FRAWLEY PROPOSAL... WITH OBVIOUS RELUCTANCE; 'MIDDLE GROUND' SUGGESTED," with the verbatim Summerson 0.01-ppm vs Frawley 0.1-ppm exchange.
- **WHERE:** ToxicDocs <https://www.toxicdocs.org/d/Kza60dbJNXoEMZbe1v7QM7VxK> ; local [... Kza60dbJNXoEMZbe1v7QM7VxK.txt](#) ; cited exchange on Bates **ASI-PR 0000576.**
- **ACCESSIBILITY:** online-free. VERIFIED THIS RUN: yes (document + Bates page fetched).

17. [NEW · C4] Industry admission of the COMMERCIAL origin of the "Frawley proposal" (ToxicDocs, 30 Dec 1970 SPI packet, Bates ASI 00000722–726).

- **WHY:** The strongest COI evidence found (advances C4): a 23 Dec 1970 letter from R.M. Miller (Hercules), SPI committee chairman, stating Hercules data "a portion of which Jack Frawley used to develop his famed [Frawley] proposal" would be pooled and **anonymized** for an industry submission. **Framing corrections:** the pooling was for a Council of Europe / The Hague migration symposium (not "an SPI safety submission," not PVC); the document distinguishes the "Frawley proposal" from the "Ramsey proposal."
- **WHERE:** ToxicDocs <https://www.toxicdocs.org/d/kmLZBqMwzJvV8jrdRDbEVZZ0b> ; local [... kmLZBqMwzJvV8jrdRDbEVZZ0b.txt](#) .
- **ACCESSIBILITY:** online-free. VERIFIED THIS RUN: yes (quote extraction confirmed live).

18. [SHARPENS · C2] NAP catalog 20376 — full PDF of the 1969 NRC "Toxicologically Insignificant Levels" monograph (committee roster + verbatim recommendation).

- WHY: Closes register D1/open-item C2: the monograph that reviewed Frawley's 1967 ACS paper; the roster and the verbatim operative presumption are currently unread (front matter image-only).
- WHERE: <https://nap.nationalacademies.org/catalog/20376/> (DOI 10.17226/20376); free PDF, pages i–xi image-only → **operator must OCR**. **Correction to log:** register D1b's premise is FALSE — catalog **20498** ("Evaluating the Safety of Food Chemicals," 1970) does **NOT** reprint the 1969 guidelines as an appendix (it ends at p.56 with no appendix); acquire 20376 directly for the roster/text.
- ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (locator + image-only front matter; 20498-appendix premise disproved).

19. [SHARPENS · C2/C5] UCSF Darby Papers yhgd0228 — Frawley's 12 Jul 1968 letter to the "Members of Ad Hoc Committee on Insignificant Levels" (recipient list = de facto committee roster).

- WHY: Register D2 / open-item C5; the addressee block reconstructs committee membership independent of the gated monograph front matter; body never read.
- WHERE: <https://www.industrydocuments.ucsf.edu/docs/yhgd0228/> (9 pp.). Open in a real browser; export OCR/recipient metadata (Solr has no full-text field — OCR must be exported from the viewer).
- ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (Solr numFound 1).

20. [NEW · C4/C5] UCSF Darby Papers t1fd0228 (R.L. Hall, 10 Feb 1970) + xmfd0228 (Frawley → Hall, 30 Jan 1970 "Reply to Editor of Science").

- WHY: Tests how the Food Protection Committee leadership actually received Frawley's de minimis idea and supplies a dated COI/"contemporary notice" thread (C4). t1fd0228 is NOT in the register; xmfd0228 is logged (D7) but unread.
- WHERE: <https://www.industrydocuments.ucsf.edu/docs/t1fd0228> and [.../docs/xmfd0228](https://www.industrydocuments.ucsf.edu/docs/xmfd0228) (William Darby Papers, Series 01 Box 11).
- ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (both Solr records, dates, parties confirmed).

21. [NEW · biography/B3] The Hercules corporate archive is at the SCIENCE HISTORY INSTITUTE, not Hagley — "Records of Hercules Incorporated" (SCIHIST_2012.017) + full-text-searchable *Hercules Mixer* house organ.

- WHY: A standing assumption-correction (register/open-questions point B3/C4 at Hagley). The bulk corporate records (Publications, Governance, Division Files, Public Relations; 25.2 lf, 1913–1997) and the in-house magazine **The Hercules Mixer** (OCR'd, full-text searchable, ~1941–1972 digitized) are at SHI — the natural place a "Frawley promoted to Chief Toxicologist / GM Health-Environment-Safety" notice or retirement/obituary would appear (B1/B3/C4). The "Hagley Hercules Chemist house organ" lead in the dossier is a dead end.
- WHERE: Finding aid https://findingaids.library.upenn.edu/records/SCIHIST_2012.017 (=

archives.sciencehistory.org/repositories/3/resources/457); digital house organ

<https://digital.sciencehistory.org/collections/jq085k66k> (Mixer Vol. 49 = 1967 at [.../works/w3763761b](https://digital.sciencehistory.org/works/w3763761b); volume = year – 1918). Run a full-text "Frawley" search across digitized Mixer volumes.

- ACCESSIBILITY: online-free (finding aid + digitized Mixer); physical records reading-room. VERIFIED THIS RUN: yes (finding aid + Mixer OCR + volume-year formula).

*22. [SHARPENS · B1/F3] *SOT awards-booklet death bracket: no asterisk in 2003-04 vs "John P. Frawley " in 2004-05 (Arnold J. Lehman 1987 line).*

- WHY: Tightens register F3 / open-item B1: death almost certainly fell **2003 or early 2004**, narrowing the obituary-search window.
- WHERE: <https://www.toxicology.org/pubs/docs/Historical/2003-04/Awards04.pdf> (Frawley, no asterisk) and [.../2004-05/Awards05.pdf](https://www.toxicology.org/pubs/docs/Historical/2004-05/Awards05.pdf) ("John P. Frawley *"). (Use the [www.](http://www.toxicology.org) host.)
- ACCESSIBILITY: online-free. VERIFIED THIS RUN: yes (both PDFs fetched + text-extracted).

23. [SHARPENS · B1] Wilmington News Journal obituary (c.2003-04) via Wilmington Public Library lookup; Delaware death certificate via Vital Statistics.

- WHY: Closes B1 (exact death date, age → birth year, education, survivors). **Correction to log:** the dossier's B1 "next step" pointing at the free Delaware Public Archives death index for 2002–04 is **unworkable** — the public index stops at ~1985 (40-year rule); a 2003-04 death must be ordered from the Office of Vital Statistics.
- WHERE: Wilmington Public Library obituary lookup <https://wilmington.lib.de.us/services/obituary-genealogical-information/> (\$5/name, microfilm to 1871; News Journal Online 2002–present). DE death cert: <https://dhss.delaware.gov/dhss/dph/ss/vitalstats.html>. Pin the date first via GenealogyBank "Delaware Obituaries (1991–Current)" / Ancestry "The News Journal (Wilmington) Obituaries" (#4293). **Death date itself unverified** — no obituary surfaced online this run.
- ACCESSIBILITY: needs-operator. VERIFIED THIS RUN: library/Vital-Stats infrastructure confirmed; obituary existence/date not confirmed.

24. [SHARPENS · A3] The three 1983 NYT dioxin articles — byline correction (David Burnham, NOT Ralph Blumenthal).

- WHY: Pins Doc B's wording to a datable primary-press source and corrects open-item A3. All three pieces are by **David Burnham**, not Blumenthal as the register/A3 state. Reading them verbatim should reveal whether Frawley/Hercules and any exhibit/Bates are named.
 - "1965 Memos Show Dow's Anxiety on Dioxin," **19 Apr 1983** — confirmed this run as the article carrying the "situation might explode" / "fearful of a congressional investigation" language (so Doc B's wording does NOT

trace only through the uncited U.S. Veteran Dispatch). URL

<https://www.nytimes.com/1983/04/19/us/1965-memos-show-dow-s-anxiety-on-dioxin.html>.

- "Dow Says U.S. Knew Dioxin Peril of Agent Orange," **5 May 1983**.
- "Files Show Dioxin Makers Knew of Hazards," **6 Jul 1983** — URL <https://www.nytimes.com/1983/07/06/us/files-show-dioxin-makers-knew-of-hazards.html> (Internet Archive availability API returned a status-200 snapshot this run; same-day UPI parallel confirmed).
- WHERE: ProQuest Historical Newspapers: NYT / TimesMachine (full text paywalled). Specific ProQuest document ids not confirmable.
- ACCESSIBILITY: online-paid. VERIFIED THIS RUN: headlines/bylines/dates + the 19 Apr & 6 Jul URLs confirmed via third-party citations + IA API.

25. [NEW · A1] Texas Tech Admiral Zumwalt Collection (resource 471 / coll. #611) — "Defendants' Joint Motion for Summary Judgment Based on the Government Contractor Defense" + Krohley affidavit.

- WHY: A small, item-level-indexed collection that frames the exact SJ-motion family Frawley's affidavit supported (A1/A4) — a browsable container list, scan-on-request.
- WHERE: <https://vva.vietnam.ttu.edu/repositories/2/resources/471>, Box 2 Folder 2 (the joint govt-contractor SJ motion + memo + Affidavit of William A. Krohley); Box 2 Folder 6 references the Hercules SCOTUS outcome.
- ACCESSIBILITY: physical-archive (finding aid online; documents onsite/scan-on-request). VERIFIED THIS RUN: yes (folder titles confirmed in live finding aid).

26. [NEW · A2/G4] Dow's FIFRA 2,4,5-T/Silvex party submissions + exhibit lists (NAL Young Collection items 6077, 6079, 6170).

- WHY: Tests Doc A (A2) and register G4: Dow's own exhibit list is where a 1963/1965 Rowe–Frawley letter would be catalogued, and where Hercules/Frawley would surface in the FIFRA party record.
- WHERE: NAL Series VIII Subseries I — item **6077** (Dow Direct Evidence Submission, Dockets 409/410, 10 Apr 1979, Box 180 F.5272), item **6079** (Respondent's Exhibit List + Submission on Cross-Examination, 12 Apr 1979, Box 180 **F.5273** [corrected from 5272]), item **6170** (Respondent's Prehearing Brief on Risks, Docket 415, 25 Jan 1980, Box 182 F.5308). URLs nal.usda.gov/exhibits/speccoll/items/show/6077 (etc.).
- ACCESSIBILITY: needs-operator (catalog online; full filings likely require NAL retrieval). VERIFIED THIS RUN: yes (all three item ids + a folder correction).

27. [SHARPENS · A2] Dow Chemical Historical Collection (Science History Institute) — Biochemical Research Laboratory / V.K. Rowe files, for Doc A as Dow *incoming* correspondence.

- WHY: The recipient-side custody not yet worked (Frawley *sent* Doc A to Rowe). Tests A2/Doc A.

- WHERE:
<https://archives.sciencehistory.org/repositories/3/resources/532>
 (mirror SCIHIST_2008.064.002; digitized subset
digital.sciencehistory.org/collections/w95051267). Finding aid
 currently flagged unavailable; appointment via
archives@sciencehistory.org. **Caveat:** the digitized subset (~10 items)
 contains no correspondence/Rowe series; the recipient-side-custody claim is
 inference, and the letter may more plausibly sit in UCSF IDL (no hit this run).
 - ACCESSIBILITY: physical-archive. VERIFIED THIS RUN: archive/locators
 real; item-level survival of Doc A unconfirmed.
-

TIER 3 — completeness / biography

28. [NEW · biography] Dyer & Sicilia, "Labors of a Modern Hercules: The Evolution of a Chemical Company" (HBS Press, 1990).

- WHY: **Phantom correction:** there is NO "Martini Hercules 2012" book (the dossier's DRAFT-3 item 6 / "2012" = the SHI archival gift, accession 2012.017). Dyer & Sicilia is the real authoritative Hercules history — best secondary chance to find Frawley named in his corporate setting (B3) and a 2,4,5-T/Jacksonville narrative. A clean "Frawley"/"2,4,5-T"/"Jacksonville" index check has never been run.
- WHERE: Internet Archive borrowable
<https://archive.org/details/laborsofmodernhe00dyer> (full-text searchable in reader once borrowed; was showing a loan queue).
- ACCESSIBILITY: online-free (controlled lending). VERIFIED THIS RUN: yes (IA id + bibliographic record).

29. [SHARPENS · A3] Michael Gough, "Dioxin, Agent Orange: The Facts" (Plenum, 1986) — for the Doc B rabbit-liver-study endnote.

- WHY: Open-item A3 explicitly flags Gough as the place to recover a citable source for the "Dow rabbit-liver-damage study" attributed to the 1965 memo. Clean "Frawley"/"Hercules" index check never run.
- WHERE: IA borrowable
<https://archive.org/details/dioxinagentorang00goug>; or Springer eBook DOI 10.1007/978-1-4899-6130-3 (ch. 11 "Industrial Exposures to Dioxin").
 VERIFIED THIS RUN: yes (both locators).
- ACCESSIBILITY: online-free (lending) / online-paid (Springer).

30. [SHARPENS · A0/A6] Markowitz & Rosner, "Deceit and Denial" + David Michaels, "Doubt is Their Product" — index checks for Frawley / IS RTP / Calandra.

- WHY: Tests whether the standard product-defense literature names Frawley directly (A0 PVC identity; A6 IBT framing; his RTP/IS RTP/consultancy arc). Never run.
- WHERE: IA borrowable
https://archive.org/details/deceitdenialdead0000mark_b2e9 and

<https://archive.org/details/doubtistheirprod0000mich>. VERIFIED THIS RUN: yes (both IA ids).

- ACCESSIBILITY: online-free (controlled lending).

31. [SHARPENS · C1] ACS 152nd National Meeting (NY, 11–16 Sept 1966) Abstracts of Papers — the 14 Sept session (Frawley + Heckman's companion paper).

- WHY: Closes C1 (exact ACS abstract title) and adds a NEW companion document — Jerome H. Heckman's "The Packaging Industries and the Food Additives Amendment of 1958 — It's Time for a Change in the Law" (the lawyer's half of the deregulation push; Heckman = packaging-industry counsel, relevant to C4).
- WHERE: Stanford SearchWorks [view/350794](#), call no. **016.54 .A511AP** (holdings incl. 152nd, SAL3 off-site); HathiTrust Record/000675714. **Correction:** drop the Google Books id **KHmQAAAAIAAJ** — it is the 192nd meeting (1986), not 1966.
- ACCESSIBILITY: physical-archive. VERIFIED THIS RUN: Stanford + HathiTrust confirmed; wrong Google Books id flagged.

32. [SHARPENS · biography/B2] 1955 Korea combat-casualty cluster (Frawley + Howard + Artz, 46th MASH) — 10 PubMed papers + OMPF + 1956 "Nerve poisons."

- WHY: Tests the unresolved B2 identity ("do not assert either way"): whether the toxicologist is the 46th-MASH "1st Lt. J.P. Frawley, MSC," filling his 1953–55 publication gap. Author affiliations/footnotes in these papers are the evidentiary hinge.
- WHERE: PubMed PMIDs (all verified): 14350573, 14350570, 14350571, 14359060, 14373273, 14387372, 13258062, 13258061, 14397959, 13238179 (Annals of Surgery subset = free PMC); plus PMID **13285953** "Nerve poisons" (full Jan-1956 issue free on IA [sim_international-record-of-medicine_1956-01_169_2875](#)). Identity-source <https://46thmash.com/46th-mash-2/>. OMPF via SF-180 to NPRC St. Louis (high 1973-fire-loss risk). VERIFIED THIS RUN: all PMIDs + IA issue + roster confirmed.
- ACCESSIBILITY: online-free (Annals/IA) / foia-request (OMPF).

33. [SHARPENS · B3/B2] American Men & Women of Science entry for "Frawley, John P." — birth date/place, PhD institution & year, title progression, memberships.

- WHY: Most economical single source for B3 (education) and B2 (military service).
- WHERE: HathiTrust catalog records confirmed (Record/000495029, 000599104, 001097623) but post-1928 vols are search-only; free full-text scans on Internet Archive (1989-90 ed. [americanmenwomen06rrbo](#); 1995-96 ed. [bub_gb_IZ9LAAAAMAAJ](#)) are the likely no-cost path. VERIFIED THIS RUN: series/records real; **Frawley entry text not retrieved** (edition unconfirmed).
- ACCESSIBILITY: online-paid (entry content) / partial online-free (IA scans).

34. [SHARPENS · publications] Frawley's remaining own writings — full text.

- 1989 RTP "Our sacred food — a perspective" (PMID 2667039; DOI 10.1016/0273-2300(89)90057-3; reg. A4 [P-cite]).
- 1965 FCT pair: "Our sacred food" (PMID **14342787**, 3:117-9) + "Suds and sensitivity" (PMID **14342788**, 3:122-4) — bib items 14/15, unread, no prior PMID.
- 1956 "Nerve poisons" (PMID 13285953) — resolves the MEDIUM-confidence bib flag (item 5); full issue free on IA.
- 1968 "O. Garth Fitzhugh" tribute (PMID 4876430; DOI 10.1016/0015-6264(68)90191-0) — reg. F4 [P-cite]; **correction:** a DOI does exist (dossier says none).
- 1985 RTP "Editorial" 5(3):239 (DOI 10.1016/0273-2300(85)90039-x) — bib item 26, unread.
- WHERE: PubMed (free metadata) / ScienceDirect + Elsevier back-file (paywalled). VERIFIED THIS RUN: all PMIDs/DOIs confirmed.
- ACCESSIBILITY: online-paid (full text) except 1956 issue (online-free).

35. [SHARPENS · C4/D5] Center for Food Safety "Faking It" (Keith Schneider, *The Amicus Journal*, Spring 1983) — IBT scandal scope.

- WHY: A contemporaneous citable secondary for the "75% of ~900 studies invalidated / 38 manufacturers" figures the dossier states loosely (A6 triangulation). **Description correction:** it is *journalism* (NRDC's *Amicus Journal*), NOT a brief/affidavit.
- WHERE: https://www.centerforfoodsafety.org/files/schneider-1983_42309.pdf (8 pp.). VERIFIED THIS RUN: yes (PDF fetched + text-extracted).
- ACCESSIBILITY: online-free.

36. [NEW · bibliography] Spiher & Frawley, "Ten Years of Food Law—Has It Been Worth the Effort?", *Modern Packaging*, Sept 1968.

- WHY: A previously-uncatalogued Frawley trade article (lay restatement of the de minimis thesis, paired with FDA's Alan Spiher), same 1968 window as the National Conference — fills a gap in 02_Frawley_bibliography.
- WHERE: *Modern Packaging* Sept 1968 (citation captured in ToxicDocs GKXgDwbDEn2j0e3QavejQbe1v); exact pagination **to confirm** via a serials library (HathiTrust).
- ACCESSIBILITY: physical-archive. VERIFIED THIS RUN: citation confirmed in local file; pagination unconfirmed.

37. [ALREADY-LOGGED · A0/G1] Identity confirmation: the local 251-doc corpus IS readable and the 39 PVC hits ARE the Hercules toxicologist.

- WHY: **Resolves A0 and overturns negative finding G1.** The earlier "image-only/JBIG2/sandboxed" blocker no longer applies: 251 PDFs each have paired .txt OCR, and page*.json carry firm/People metadata. "Dr. John P. Frawley / Chief Toxicologist / Medical Department / Hercules Incorporated / 910 Market Street / Wilmington DE" appears verbatim; the two namesakes

(PHS-Cincinnati beryllium; Ford asbestos M.D.) are separable. Promote the ToxicDocs PVC/dioxin vein from "unconfirmed lead" to confirmed corpus.

- WHERE: local /mnt/data/Frawley/toxicdocs/*.txt + /mnt/data/Frawley/papers/page{1,2,5,6,7,8,13,14}.json; online mirror toxicdocs.org/d/<hash_id> (e.g. 9J3Rp8w2jkbxE5B8Nx8aq1KN6). **Note:** toxicdocs.org site-search URLs are not fetchable (client-side); use per-document /d/<hash>.
- ACCESSIBILITY: online-free / local. VERIFIED THIS RUN: yes (file counts + verbatim identity block + namesake separation).

QUICK WINS — retrievable online right now (no archive visit, minimal cost)

1. **EPA IBT Review master report (item 8)** — nepis.epa.gov Dockey **91014ULV** PDF; free, immediately checkable for any invalidated Hercules/Delnav study (A6). *Needs OCR.*
2. **Doc B + the 1965 dioxin primaries in the Poison Papers (items 1, 12, 13)** — DocumentCloud 3418806 (DowDATA index → Bates A303 = Doc B), 3701701 (24 Mar 1965 minutes), 3418447 (24 Jun 1965 Rowe → Milholland). Free; closes register C2/C3 and upgrades Doc B.
3. **NAP catalog 20376 free PDF (item 18)** — the 1969 monograph roster + verbatim recommendation; free, just needs OCR of pages i–xi (C2).
4. **NYT 6 Jul 1983 "Files Show Dioxin Makers Knew of Hazards" (item 24)** — stable URL confirmed live via IA; the most retrievable of the three 1983 NYT pieces (A3).
5. **SOT awards-booklet death bracket (item 22)** — two free SOT PDFs that narrow the death window to 2003/early-2004 before paying for an obituary (B1).
6. **EPA dioxathion/Delnav FOIA index (item 9)** — archive.epa.gov/.../037801/037801.htm; free, lists the 14 Sep 1982 three-generation-reproduction audit (A6).

Editor's confidence notes (honesty flags): The highest-leverage *online* upgrades this run are the Poison Papers DowDATA finds (Doc B = Bates A303; the 24 Mar 1965 minutes = Bates A156 in PP D0038; the 24 Jun 1965 letter in 2B 131 731) and the two local ToxicDocs deposition indexes (H281 code for Doc A; the Kemner/Vertac *second* deposition with dates Mar 8 1983 / Feb 7–8 1984 and the "Ph.D. Biological Chemistry" degree). These materially move A2/A3/A6/B3 and partly de-risk A1. The genuinely sealed prize (the MDL 381 deposition/affidavit, items 4–7) still has **no confirmable call number** — every NARA/Texas-Tech pointer is an archive+procedure pointer, not a verified locator. Three dossier-level corrections worth logging regardless of acquisition: (a) the 1983 NYT byline is **David Burnham**, not Blumenthal; (b) the "Martini Hercules 2012" book is a **phantom** (=accession 2012.017); the real history is **Dyer &**

Sicilia 1990; (c) the Hercules corporate archive is at the **Science History Institute**, not Hagley, and catalog **20498 does NOT** reprint the 1969 guidelines (register D1b is wrong).