

Hazardous Waste Disposal Record

Generator Accumulation, Manifest & Disposal Certification

Facility:	Meridian BioAnalytical Laboratories	Site:	Building 4 Annex, Nexa Research Park
EPA ID Number:	CAD 004 417 298	Generator Status:	SQG
Hazardous Waste Coordinator:	Dr. Elena Castillo	EHS Manager:	Marcus Whitfield
Reporting Period:	Q2 2026 (01 Apr 2026 – 30 Jun 2026)		
Record Prepared:	14 July 2026, by Dr. Elena Castillo		

⚠ Purpose of this Record: This document tracks every hazardous waste stream generated at Meridian BioAnalytical Laboratories from point of origin through satellite accumulation, central storage, manifested shipment, and final treatment or disposal, in accordance with 40 CFR Part 262 generator standards [5] and applicable state hazardous waste regulations. It is retained on-site for a minimum of three years from the date of shipment.



Ignitable (D001)



Corrosive (D002)



Reactive (D003)



Toxic (D-List)



Waste Stream Characterization

Every waste stream generated by Meridian BioAnalytical Laboratories is evaluated at point of generation against the RCRA characteristic (D-codes), listed (F/K/P/U-codes), and DOT hazard-class criteria before it is assigned an accumulation container. The table on the following page is the current generator-status waste stream inventory for the reporting period; each Stream ID persists across accumulation, manifesting, and disposal so a single drum can be traced end to end.

EPA Waste Code Key: **D001** Ignitability ($< 60^{\circ}\text{C}$ flash point) • **D002** Corrosivity ($\text{pH} \leq 2$ or ≥ 12.5) • **D003** Reactivity • **D004–D043** Toxicity Characteristic (TCLP metals & organics) • F-listed: spent solvents from non-specific sources • U-listed: discarded commercial chemical products • P-listed: acutely hazardous discarded commercial chemical products. Full code definitions per 40 CFR §261 Subpart C–D [3].



Waste Stream Inventory — Q2 2026

Stream ID	Waste Description & Process Origin	EPA Code(s)	DOT Proper Shipping Name / Class / PG	State	Accum. Start	Container(s)	Qty
WS-2026-041	Spent xylene & toluene from Leica ASP300 tissue processor, Histology Bay 2	D001 F003	Waste Flammable Liquids, N.O.S. (Xylene, Toluene), Class 3, UN1993, PG II	Liquid	18 Apr 2026	2 × 55-gal steel drums	187 kg
WS-2026-042	Used lead acetate / lead sulfide colorimetric QC test strips, Metals QC Bench	D008	Hazardous Waste, Solid, N.O.S., Class 9, NA3077, PG III	Solid	02 May 2026	1 × 5-gal poly pail	6.4 kg
WS-2026-043	Formalin fixative waste, tissue trimming station, Histology Bay 1	D001 U122	Formaldehyde Solution, Class 8, UN2209, PG III	Liquid	30 Apr 2026	3 × 1-gal HDPE jugs	11.3 L
WS-2026-044	Expired chromium(VI) atomic-absorption calibration standards, Metals QC Bench	D007	Hazardous Waste, Liquid, N.O.S., Class 9, NA3082, PG III	Liquid	02 Jun 2026	1 × 1-gal HDPE jug	3.6 kg
WS-2026-045	Spent silver-bearing HPLC mobile-phase recovery, Analytical Chemistry Suite	D011	Hazardous Waste, Liquid, N.O.S., Class 9, NA3082, PG III	Liquid	14 May 2026	1 × 5-gal poly pail	18.2 L
WS-2026-046	Waste acetonitrile / methanol chromatography solvent, LC-MS Suite	D001 F005	Waste Flammable Liquids, N.O.S. (Acetonitrile, Methanol), Class 3, UN1993, PG II	Liquid	20 Jun 2026	4 × 55-gal steel drums	402 kg
WS-2026-047	Spent nitric / sulfuric acid digestion bath, Sample Prep Digestion Hood	D002	Corrosive Liquid, Acidic, Inorganic, N.O.S., Class 8, UN3264, PG II	Liquid	28 Jun 2026	1 × 15-gal poly carboy	52 L



Accumulation Area & Container Log

As a Small Quantity Generator, Meridian BioAnalytical Laboratories may accumulate hazardous waste on-site for up to 180 days (270 days where waste must be transported over 200 miles to a permitted facility) without a storage permit, provided the quantity on-site never exceeds 6,000 kg [5]. Satellite Accumulation Areas (SAAs) at or near each point of generation feed the Central Accumulation Area (CAA) in Building 4 Annex, Room 112, once a container is full or 55 gallons is reached at the SAA. The accumulation start date recorded below is the date the first drop of waste entered the container — not the date it was moved to the CAA.

⚠ 180-Day Clock: Containers approaching day 150 are flagged amber in the tracking spreadsheet and a manifest request is opened automatically. No container in this record has exceeded 120 days of accumulation as of the record date.

Container ID	Stream ID	SAA / CAA Location	Date Opened	Capacity	Fill %	Last Inspected	Inspector
CTR-2026-118	WS-2026-041	Histology Bay 2 SAA	18 Apr 2026	55 gal	100%	30 Jun 2026	E. Castillo
CTR-2026-119	WS-2026-041	Histology Bay 2 SAA	22 May 2026	55 gal	60%	30 Jun 2026	E. Castillo
CTR-2026-120	WS-2026-042	Metals QC Bench SAA	02 May 2026	5 gal	45%	30 Jun 2026	P. Nandakumar
CTR-2026-121	WS-2026-043	Histology Bay 1 SAA	30 Apr 2026	1 gal (3 units)	90%	30 Jun 2026	E. Castillo
CTR-2026-122	WS-2026-044	Metals QC Bench SAA	02 Jun 2026	1 gal	25%	30 Jun 2026	P. Nandakumar
CTR-2026-123	WS-2026-045	LC-MS Suite SAA	14 May 2026	5 gal	70%	30 Jun 2026	M. Whitfield
CTR-2026-124	WS-2026-046	CAA, Bldg. 4 Annex Rm. 112	20 Jun 2026	55 gal	80%	30 Jun 2026	M. Whitfield
CTR-2026-125	WS-2026-046	CAA, Bldg. 4 Annex Rm. 112	20 Jun 2026	55 gal (3 units)	55%	30 Jun 2026	M. Whitfield
CTR-2026-126	WS-2026-047	Sample Prep Digestion Hood SAA	28 Jun 2026	15 gal	35%	30 Jun 2026	E. Castillo



Central Accumulation Area — Weekly Inspection Log

Weekly inspections of the CAA are required for SQG status and are recorded below for the current quarter. Each inspection confirms container closure, label legibility, absence of leaks or corrosion, and adequate aisle space for emergency egress.

Date	Inspector	Closed	Labeled	No Leaks	Aisle Clear	Corrective Action	Init.
01 May 2026	Dr. E. Castillo	✓	✓	✓	✓	None required.	EC
08 May 2026	Dr. E. Castillo	✓	✗	✓	✓	Re-labeled CTR-2026-120; original label smudged by spill residue.	EC
15 May 2026	M. Whitfield	✓	✓	✓	✓	None required.	MW
22 May 2026	M. Whitfield	✓	✓	✓	✓	None required.	MW
29 May 2026	Dr. E. Castillo	✓	✓	✓	✗	Pallet of empty drums moved from aisle to loading dock staging.	EC
05 Jun 2026	Dr. P. Nandakumar	✓	✓	✓	✓	None required.	PN
12 Jun 2026	M. Whitfield	✓	✓	✓	✓	None required.	MW
19 Jun 2026	Dr. E. Castillo	✓	✓	✓	✓	None required.	EC
26 Jun 2026	Dr. E. Castillo	✓	✓	✓	✓	None required.	EC
30 Jun 2026	M. Whitfield	✓	✓	✓	✓	Quarter-end verification prior to manifest request.	MW



Uniform Hazardous Waste Manifest — Shipment Summary

The Central Accumulation Area was manifested for off-site transport on 07 Jul 2026 under EPA Uniform Hazardous Waste Manifest tracking number **018772934 ELC**, generated through the e-Manifest system per 40 CFR §262 Subpart E [5]. Transportation and final treatment/disposal were performed by permitted contractors selected from Meridian's approved vendor list.

Manifest Tracking No.:	018772934 ELC	Shipment Date:	07 Jul 2026
Transporter:	Nimbus Environmental Services	Transporter EPA ID:	CAT 088 213 004
Designated Facility (TSDF):	Apex Treatment & Recovery Facility	TSDF EPA ID:	CAD 991 007 665
TSDF Location:	4410 Basin Industrial Way, Kettleman City, CA		
Total Containers Shipped:	9 (6 steel drums, 3 poly containers)		

Stream ID	EPA Code(s)	Waste Description	Total Qty	Treatment Method	Line #
WS-2026-041	D001 F003	Spent xylene / toluene, histology	187 kg	Fuel blending (H141)	1
WS-2026-042	D008	Lead-contaminated test strips	6.4 kg	Metals recovery, thermal (R12)	2
WS-2026-043	D001 U122	Formalin fixative waste	11.3 L	Incineration, thermal (H141)	3
WS-2026-044	D007	Expired chromium standards	3.6 kg	Chemical stabilization (T21)	4
WS-2026-045	D011	Silver-bearing HPLC recovery	18.2 L	Silver recovery, recycling (R12)	5
WS-2026-046	D001 F005	Acetonitrile / methanol solvent	402 kg	Fuel blending (H141)	6
WS-2026-047	D002	Spent nitric / sulfuric acid bath	52 L	Neutralization (T22)	7

✔ **Return Manifest Status:** Signed copy 4 (Designated Facility to Generator) received electronically via e-Manifest on 16 Jul 2026, confirming receipt and disposal of all 9 containers with no discrepancies noted. Filed with this record and retained per the 3-year generator recordkeeping requirement [5].

 Contractor Qualification Summary

Both contractors are re-verified annually against EPA’s RCRAInfo handler database and state transporter registries before manifest assignment.

Role	Nimbus Environmental Services (Transporter)	Apex Treatment & Recovery Facility (TSDF)
Permit Status	Active DOT/EPA transporter permit, renewed 03 Jan 2026	Part B RCRA permit, renewed 19 Nov 2025
Insurance on File	\$5M pollution liability, expires 31 Dec 2026	\$10M pollution liability, expires 30 Sep 2026
Last Audit	Site visit by M. Whitfield, 14 Feb 2026 – no findings	Desk audit of Part B permit, 20 Jan 2026 – no findings
Driver on Record	Thomas Reyes, HazMat endorsement CDL #CA-4471209	N/A

 Generator’s Certification

I hereby certify that the contents of this shipment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable, and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me and that I can afford.

Generator’s Representative	Date
Dr. Elena Castillo, Hazardous Waste Coordinator	07 Jul 2026

 Transporter Acknowledgement

Transporter Acknowledgement of Receipt of Materials. The undersigned acknowledges receipt of the hazardous materials described in the manifest referenced above, in apparent good order, for transport to the designated facility named therein.

Transporter’s Representative	Date
Thomas Reyes, Nimbus Environmental Services	07 Jul 2026

✔ **Designated Facility Certification of Receipt**

Designated Facility Certification. The undersigned certifies receipt of the hazardous materials covered by the manifest except as noted in the discrepancy space of this manifest. This copy is returned to the generator to complete the cradle-to-grave tracking chain.

Facility Representative	Date
Angela Brooks, Apex Treatment & Recovery Facility	16 Jul 2026

✔ **Record Status:** **COMPLETE** All 9 containers manifested, transported, and confirmed disposed with no discrepancies. Record closed by Dr. Elena Castillo on 16 Jul 2026 and filed in the Q2 2026 EHS compliance binder.

 Regulatory References

- U.S. Environmental Protection Agency. *Standards Applicable to Generators of Hazardous Waste*. 40 CFR Part 262. [5]
- U.S. Environmental Protection Agency. *Identification and Listing of Hazardous Waste*. 40 CFR Part 261. [3]
- U.S. Environmental Protection Agency. *Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities*. 40 CFR Part 265. [4]
- U.S. Department of Transportation. *Hazardous Materials Table, Special Provisions, Hazardous Materials Communications*. 49 CFR Part 172. [2]
- Resource Conservation and Recovery Act of 1976, as amended. 42 U.S.C. §§6901 et seq. [1]

 **Retention:** This record, the signed manifest, and all inspection logs referenced herein are retained for a minimum of three years from the date of shipment per 40 CFR §262.40 [5]. Master copy held on the Meridian EHS Portal (Document MDX-HWDR-2026-0714 v3.0). Printed copies are uncontrolled — verify currency before use.

Meridian BioAnalytical Laboratories — Environmental, Health & Safety Office. Questions regarding this record should be directed to the Hazardous Waste Coordinator.

References

- [1] Resource Conservation and Recovery Act of 1976, as amended, 1976. 42 U.S.C. §§6901 et seq., Pub. L. No. 94-580.
- [2] U.S. Department of Transportation. Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements. Technical Report 49 CFR Part 172, U.S. Government Publishing Office, Washington, DC, 2026.
- [3] U.S. Environmental Protection Agency. Identification and Listing of Hazardous Waste. Technical Report 40 CFR Part 261, U.S. Government Publishing Office, Washington, DC, 2026.
- [4] U.S. Environmental Protection Agency. Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities. Technical Report 40 CFR Part 265, U.S. Government Publishing Office, Washington, DC, 2026.
- [5] U.S. Environmental Protection Agency. Standards Applicable to Generators of Hazardous Waste. Technical Report 40 CFR Part 262, U.S. Government Publishing Office, Washington, DC, 2026.