



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**



2024 Individual Permit Monitoring Season Summary

March 5, 2025

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ENVIRONMENTAL MANAGEMENT
SAFETY ♦ PERFORMANCE ♦ CLEANUP ♦ CLOSURE

N3B Los
Alamos



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Individual Permit Summary

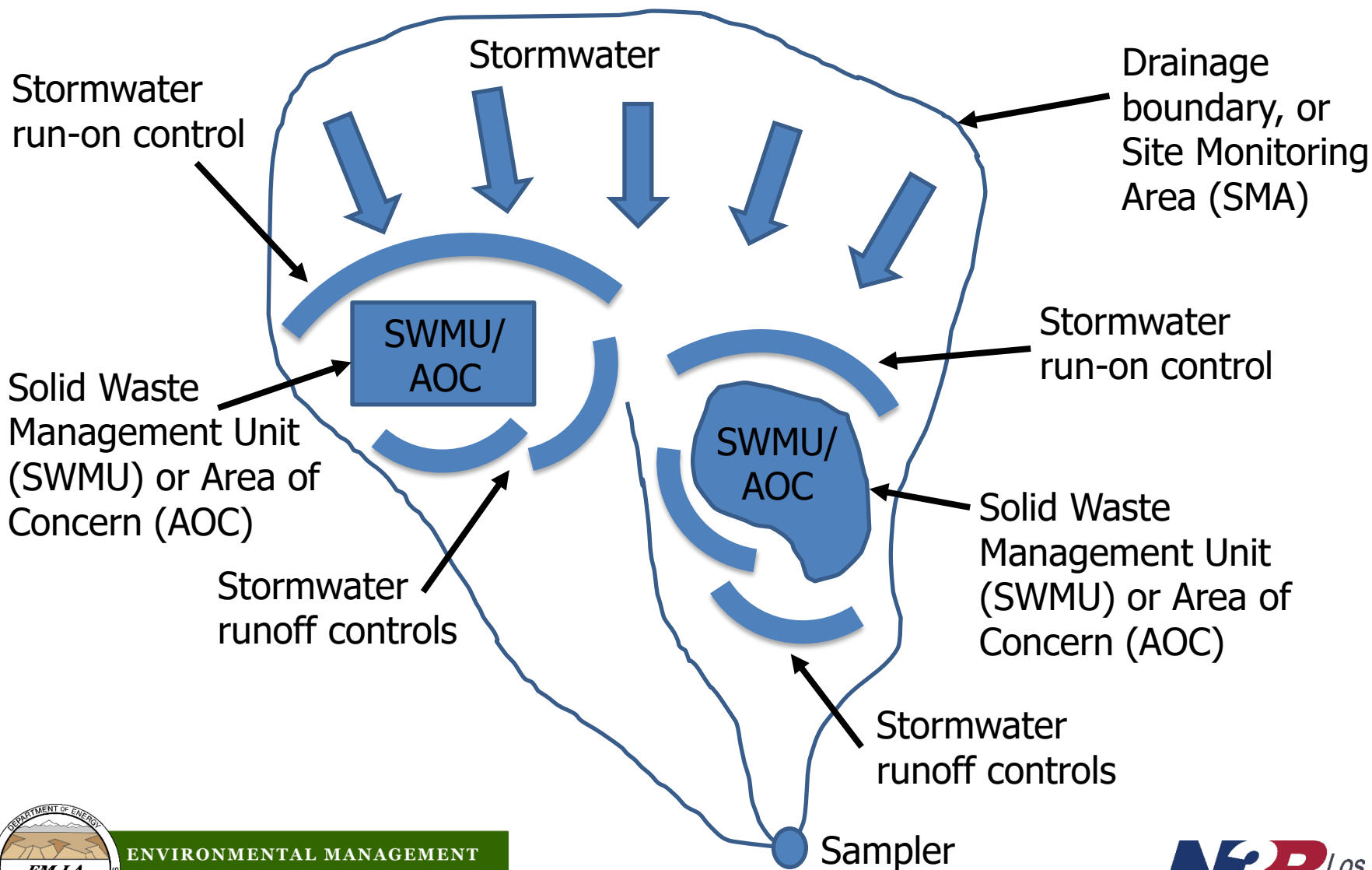


- The Individual Permit regulates discharges of stormwater from certain Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) at Los Alamos National Laboratory.
- U.S. Environmental Protection Agency issued the original Permit in 2010. The current Permit, which supersedes the original Permit, became effective August 1, 2022.
- The Permit lists 397 Sites that must be managed to prevent the transport of pollutants of concern to surface waters via stormwater run-off.
- The 397 Sites are managed under 239 Site Monitoring Areas
- The Individual Permit is a technology-based permit that relies on stormwater control measures to minimize discharges of pollutants into stormwater.





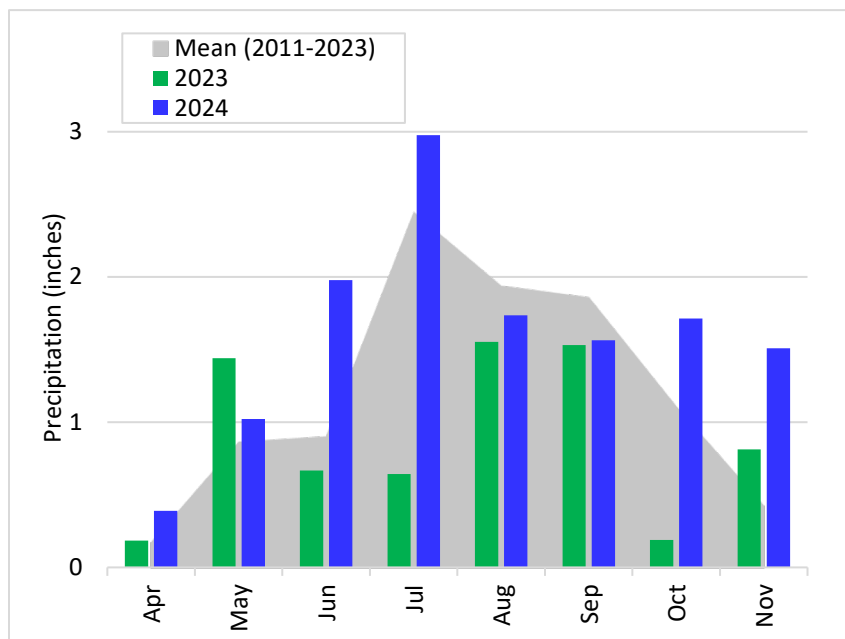
Individual Permit Summary: Site Monitoring Area



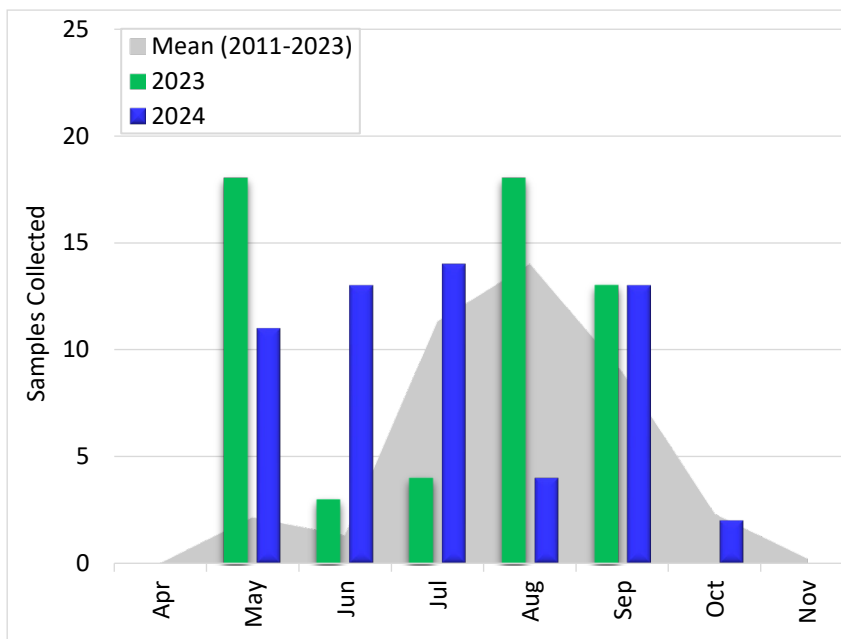


2024 Precipitation and Samples Collected

Precipitation



Samples Collected



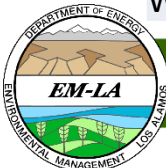
- 57 samples collected from 32 Site Monitoring Areas (57 SWMUs/AOCs)
 - 22 of the 57 were partial samples
- 2,948 inspections conducted in 2024





- 33 samples collected with no Target Action Level (TAL) exceedances
- 24 samples with TAL exceedances, 37 TAL exceedances total

SMA	Exceedances
2M-SMA-1.43	Copper (6x TAL), total PCBs (5x)
2M-SMA-2.2	Total PCBs (331x)
A-SMA-3	Copper (1.3x)
CDV-SMA-2	Aluminum (4x)
CDV-SMA-2.3	Total PCBs (10x)
CDV-SMA-2.42	Total PCBs (344x)
LA-SMA-3.1	Benzo(b)fluoranthene (8x), benzo(k)fluoranthene (3x), benzo(a)pyrene (4x), benzo(a)anthracene (2x), chrysene (6x), indeno(1,2,3-cd)pyrene (5x)
M-SMA-10.3	Aluminum (15x)
M-SMA-7.9	Copper (3x), zinc (1.02x)
PJ-SMA-3.05	Total PCBs (101x)
PJ-SMA-5	Copper (67x)
PJ-SMA-9.2	Copper (1.3x)
S-SMA-3.61	Bis(2-ethylhexyl)phthalate (1.3x), total PCBs (34x)
S-SMA-3.62	Aluminum (5x), copper (2x), total PCBs (330x)
T-SMA-1	Total PCBs (9x)
W-SMA-1	Total PCBs (4x)
W-SMA-8	Copper (4x)





2024 Sampling Implementation Plan (SIP)

- The draft 2024 Sampling Implementation Plan was submitted to NMED January 15, 2025. The final version is due to EPA by March 31, 2025.
- SMA status categories:

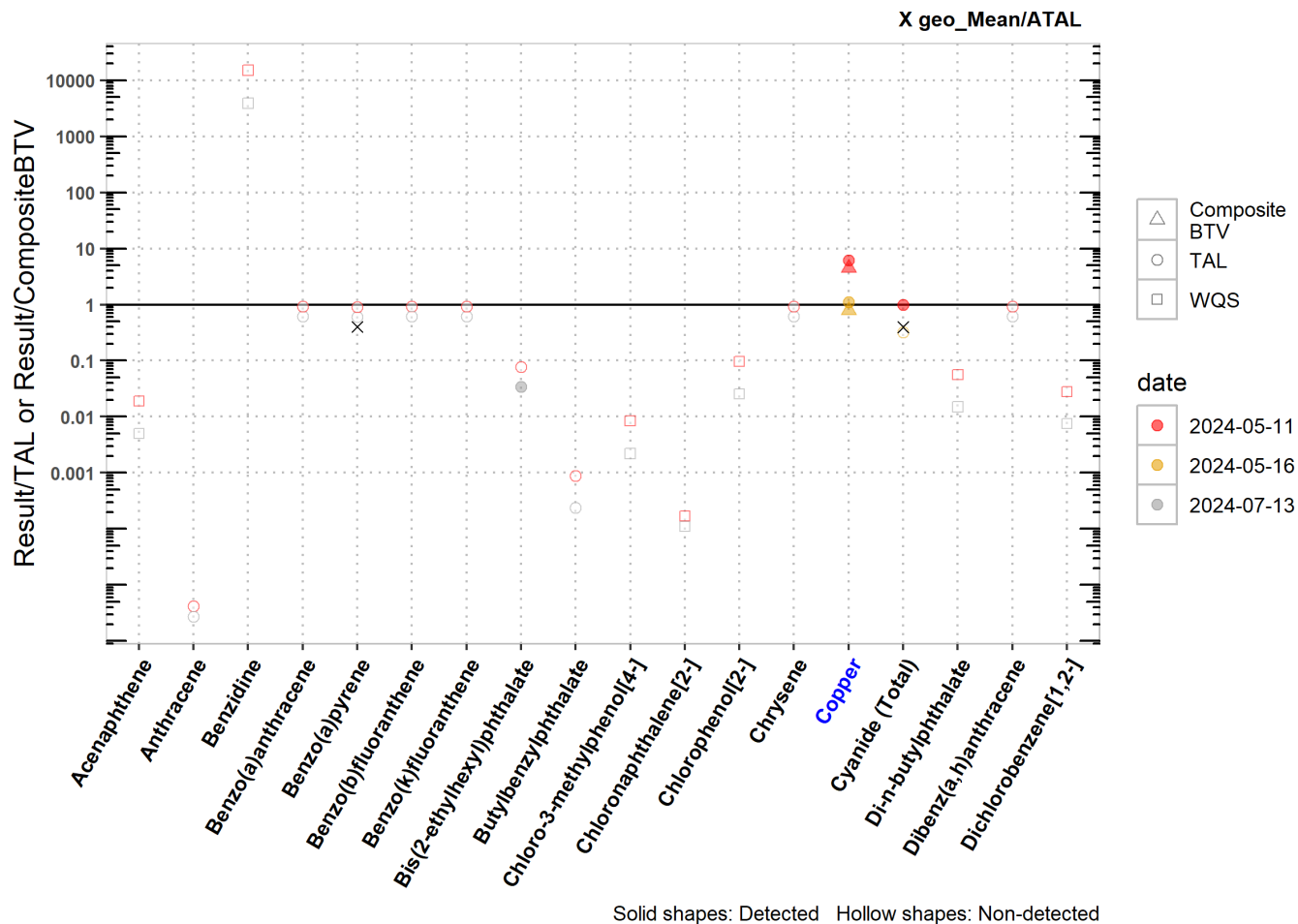
	2024 Season	2025 Season
Active Monitoring	155	145
Active Monitoring/ Corrective Action	28	32
Corrective Action	22	21
Long-Term Stewardship	30	34
Eligible for SMA Deletion	5	8





SMA Data Example: 2M-SMA-1.43

2M-SMA-1.43



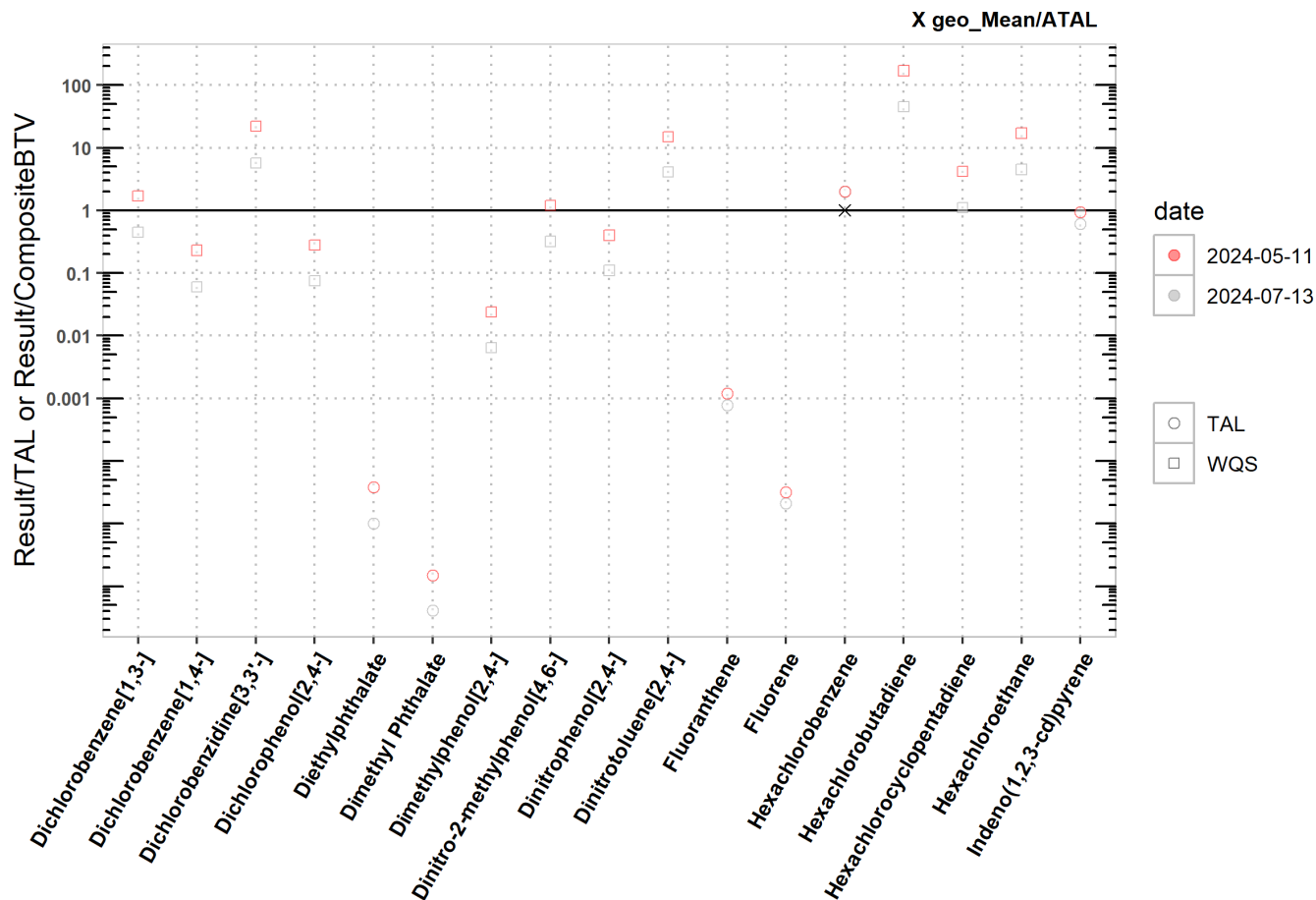
- Two samples for each Site-related pollutant of concern
- Copper exceeded Target Action Level (TAL) and Background Threshold Value (BTv)
- PCBs exceeded TAL but not BTv
- 2024 status: Active Monitoring
- 2025 status: Corrective Action (must be completed by 2027)





SMA Data Example: 2M-SMA-1.43 Plot 2

2M-SMA-1.43



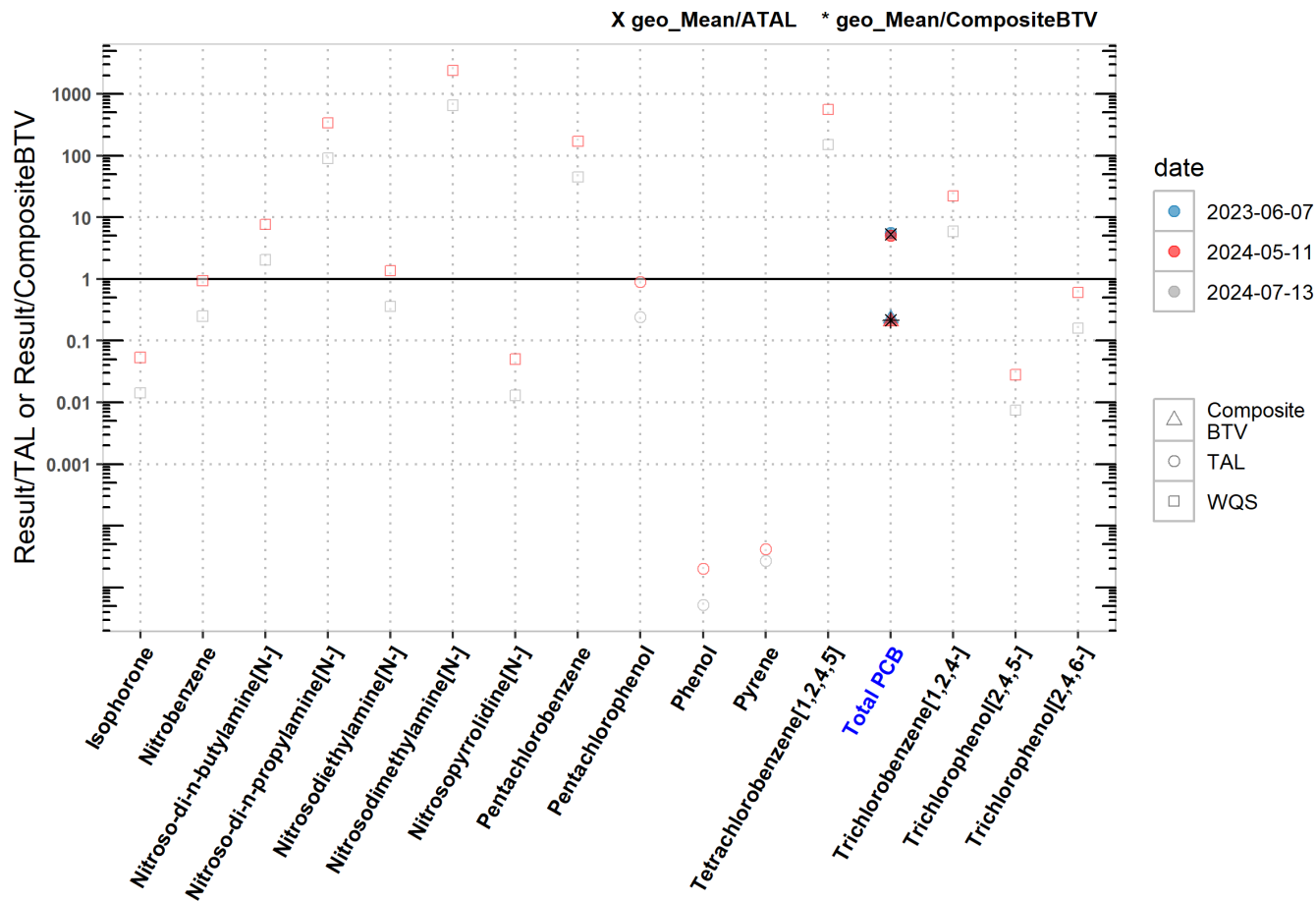
Solid shapes: Detected Hollow shapes: Non-detected





SMA Data Example: 2M-SMA-1.43 Plot 3

2M-SMA-1.43

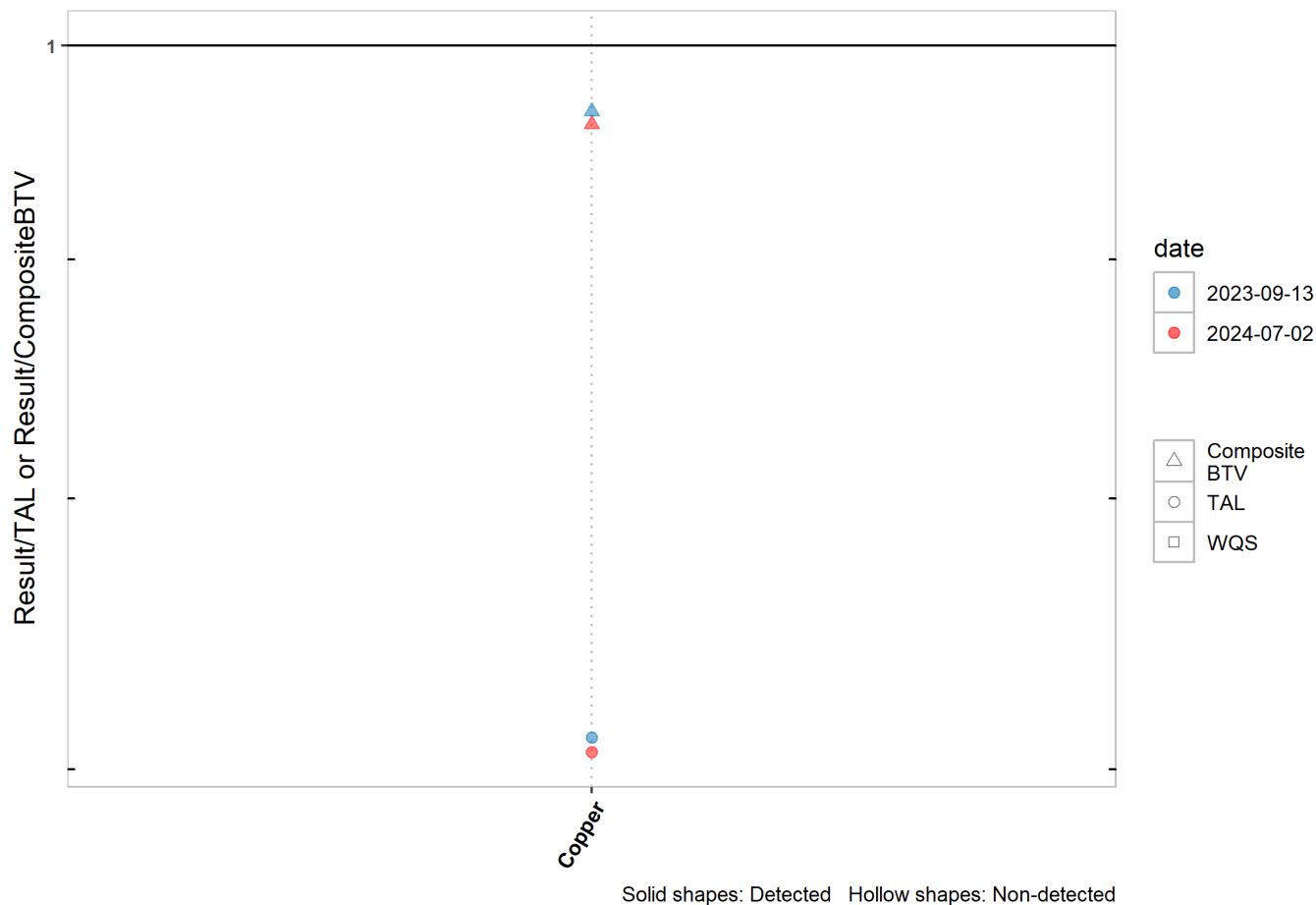


Solid shapes: Detected Hollow shapes: Non-detected





M-SMA-13

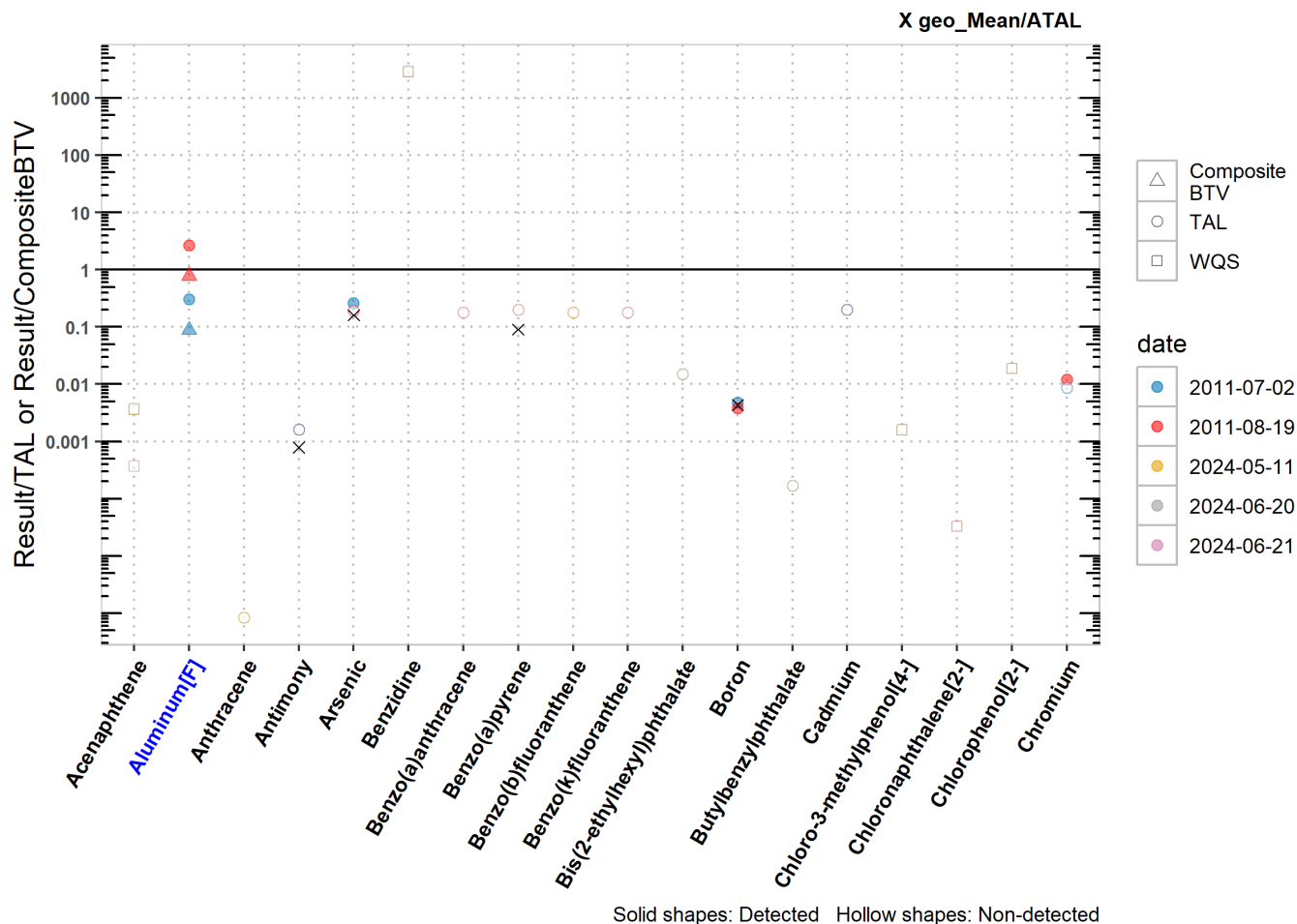


- In the 2022 SIP: M-SMA-13 screened into corrective action for copper
- Enhanced controls certified in July 2023
- Two samples collected with results below TALs
- 2024 status: Active Monitoring
- 2025 status: SMA Deletion
- A Deletion Request will be prepared in 2025





R-SMA-1



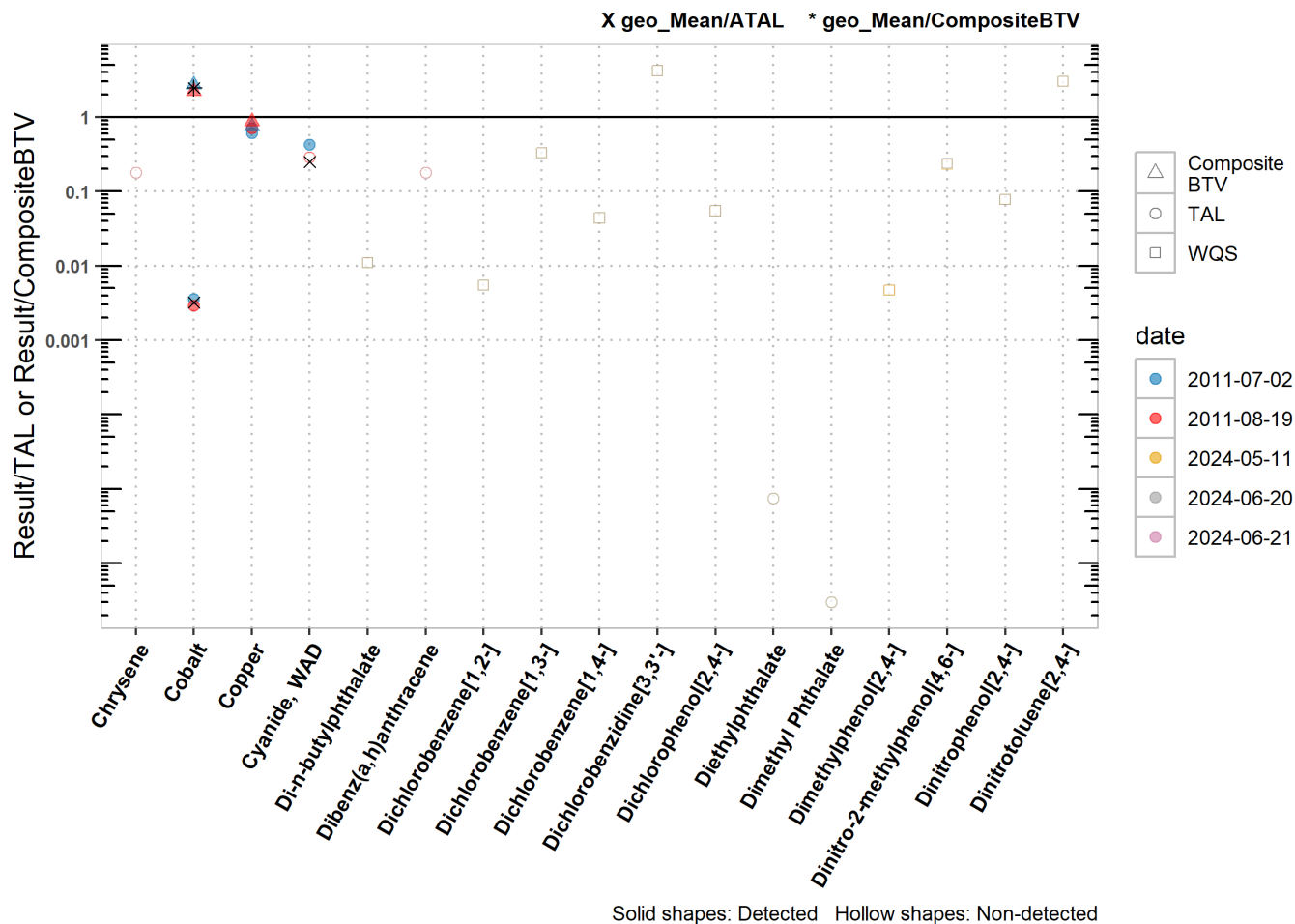
- Two samples collected for each Site-related pollutant of concern
- All parameters with TAL exceedances were below their respective composite BTVs
- 2024 status: Active Monitoring
- 2025 status: Long Term Stewardship per Permit Part I.C.3.a





SMA Data Example: R-SMA-1 Plot 2

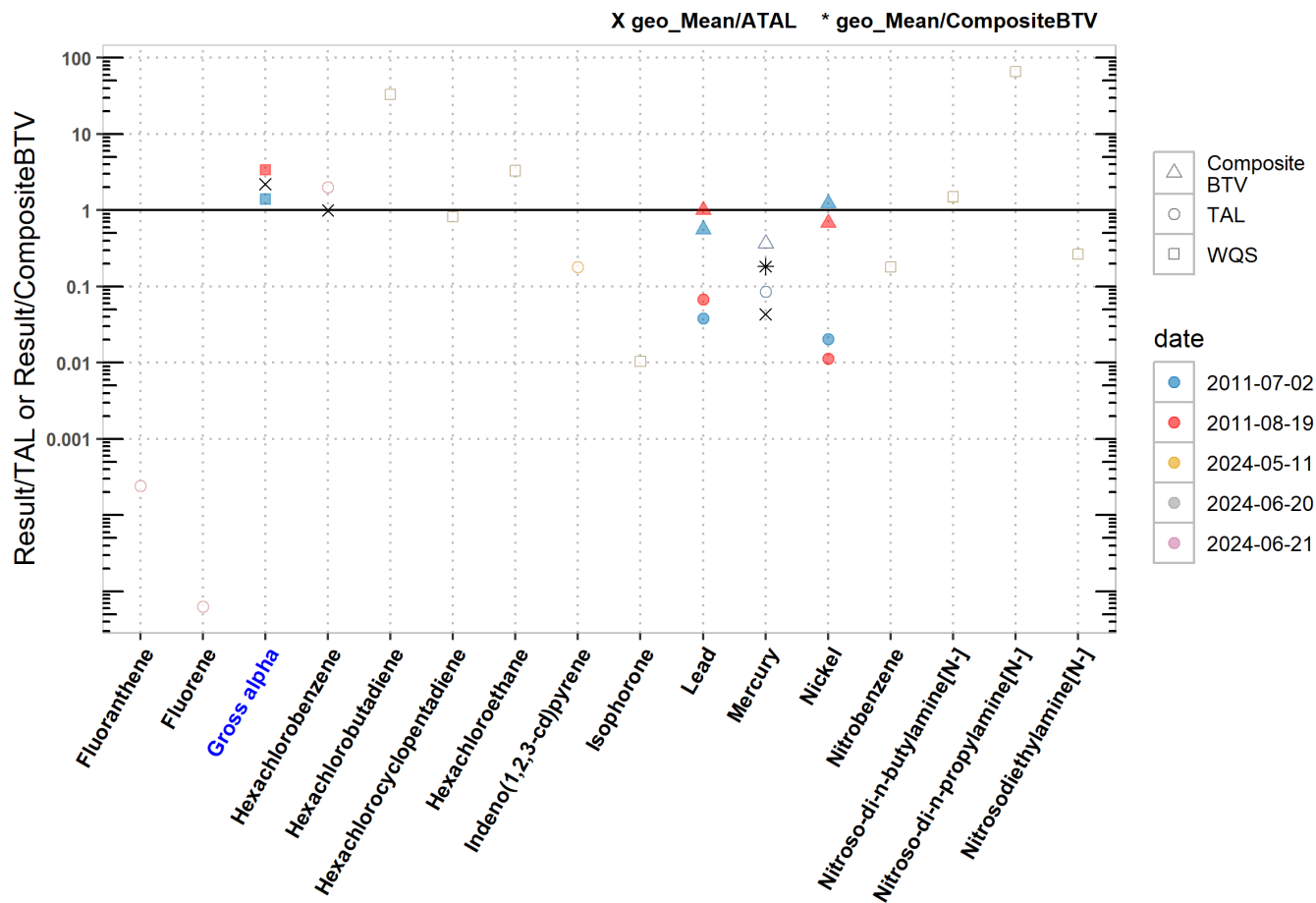
R-SMA-1





SMA Data Example: R-SMA-1 Plot 3

R-SMA-1



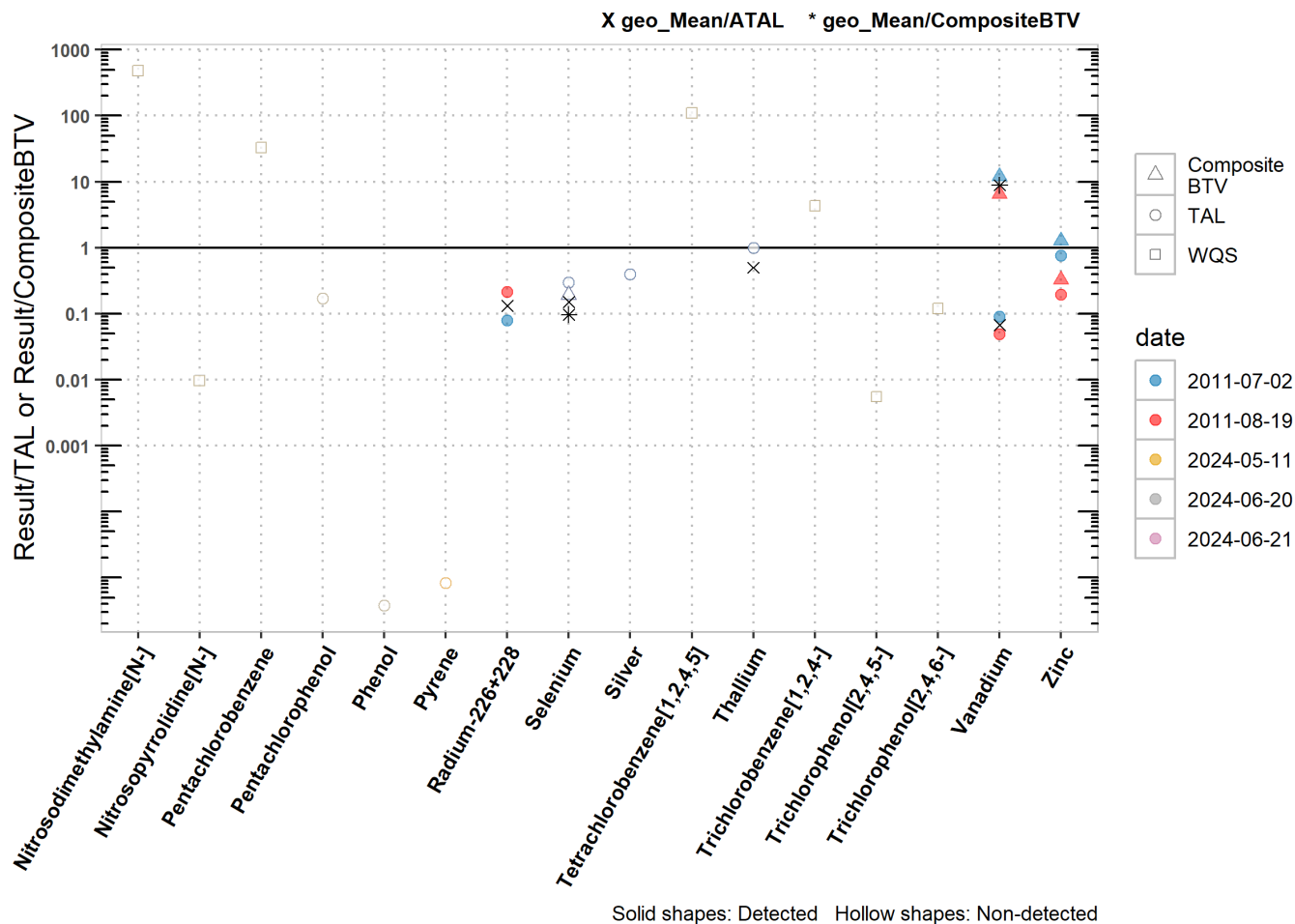
Solid shapes: Detected Hollow shapes: Non-detected





SMA Data Example: R-SMA-1 Plot 4

R-SMA-1





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Questions?



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Produced by Los Alamos Legacy Cleanup Contractor, N3B Los Alamos
on behalf of DOE's Environmental Management Los Alamos Field Office

