

Educational Workshops for the Camp Minden Site (in coordination with LDEQ, LMD, and CMCAG)

- Baseline Assessment Workplan April 16, 2015
- Preparedness April 23, 2015
- CBC Workplan and Sampling Plan August, 2015
- LAAP Groundwater September, 2015
- Baseline Data November 19, 2015
- CPT Discussion and Site Update February, 2016
- Data Interpretation March, 2016
- CBI Disposal-In-Place October, 2016
- ESI Dashboard and Site Update; CBI Disposal related EPA Air Monitoring and Sampling January 23, 2017

- Ideas for additional workshops
 - Please make suggestions on the response cards provided or
 - email us at: R6_Camp_Minden@epa.gov

Part 1. ESI Dashboard and Site Update
*Part 2. CBI Disposal related EPA Air Monitoring
and Sampling Data*

Educational Workshop

23 January 2017

Site: Camp Minden

Minden, Webster Parish, Louisiana

Presenters:

EPA: Adam Adams (OSC) and Jon Rauscher (TOX)

LMD: SGM Matejowsky and ESI-Dean Schellhase

Agenda

- Introductions / Welcome
- LMD/ESI – ESI Dashboard and Site Update
- EPA -
 - What air monitoring and sampling was conducted during the CBI Disposal In-Place?
 - Where were the monitoring and sampling conducted?
 - Where can I get a copy?

 - What were the results? (*Toxicology*)
 - Air Monitoring
 - Air Sampling
- Questions and Answers

LMD - ESI

- ESI Dashboard Update
- Site Status Update
- Any questions?

*EPA Air Monitoring and Sampling Data related
to the CBI Disposal In-Place Operation*

CBI Disposal In-Place Operations Timeline (Summary):

27 Oct 16. EOD arrived and assessed the Site conditions.

28 Oct 16. Mag 505. (0.25 mile safety arc)

CBI moved into two trays outside of the magazine and burned remotely.

Air monitoring and sampling conducted (4 stations and TAGA).

29 Oct 16. Mag 505. Complete sampling, download data, relocated equipment.

30 Oct 16. Mag 2432. (1.2 mile safety arc)

CBI In-place disposal; 8:30 am.

Air monitoring and sampling conducted (4 stations and TAGA).

31 Oct 16. Mag 2432. Completed sampling, download data.

1 Nov 16. Mag 2471. (1.3 mile safety arc)

CBI In-place disposal; noon.

Air monitoring and sampling conducted (4 stations and TAGA).

2 Nov 16. Mag 2471. Complete sampling, download data, recover equipment.

Air monitoring conducted (TAGA).

EOD conducted a control burn of approximately 1,500 lbs of CBI that had not been consumed from the previous CBI in-place disposal operations and demobilized.

EPA Air Monitoring and Sampling Conducted during the CBI Disposal In-Place Operation:

Sampling

- Dioxin/Furans
 - PS-1 PUF Sampler
- SVOC
 - PS-1 PUF Sampler
- PM2.5
 - BGI PQ200
- Hydrogen cyanide (HCN)
 - Gilian GilAir Plus
- Total Particulates and metals
 - High Volume TSP Sampler

Monitoring

- CO
 - Multirae multigas meter
- VOC
 - Multirae multigas meter
- HCN
 - Multirae multigas meter
- PM2.5 and PM10
 - MetOne E-BAM
- Diphenylamine
 - Mobile TAGA Bus

EPA Air Monitoring and Sampling Equipment Photographs:



Trace Atmospheric Gas Analyzers (TAGA)

EPA mobilized the TAGA bus, which conducted real time monitoring for diphenylamine. Additional air monitoring from the TAGA - multirae with an HCN sensor.

EPA also conducted HCN and particulate monitoring at the stationary locations around each of the three magazines.

Where were the air monitoring and sampling conducted?

October 2016 Air Sampling Locations Map



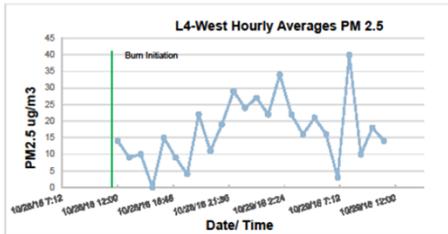
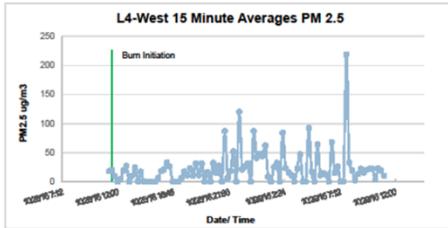
▲ Magazine Location

● Sampling Location

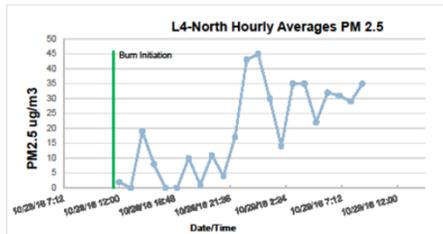
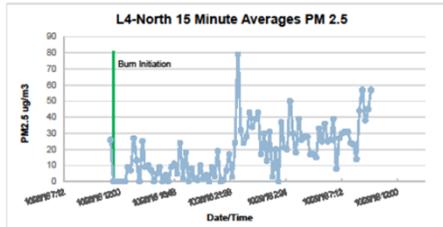
◎ SAFETY ARC

Air Monitoring Graphs – PM2.5 (505 event)

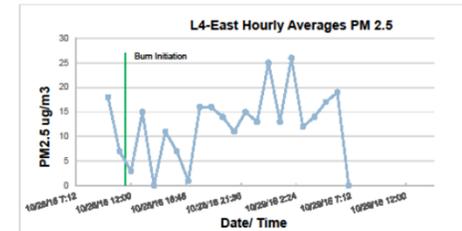
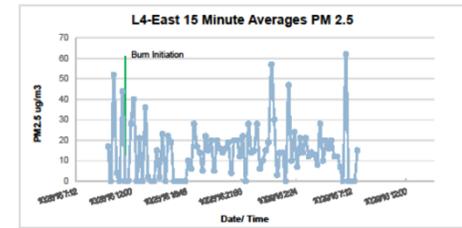
Bunker 505
28 – 29 October 2016
Burn Initiation: 28 October at 11:30 A.M.



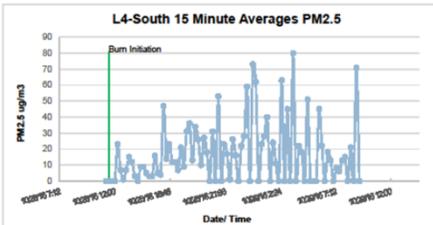
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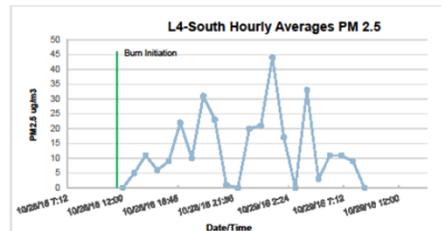
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L4-South 15 Minute Averages PM2.5

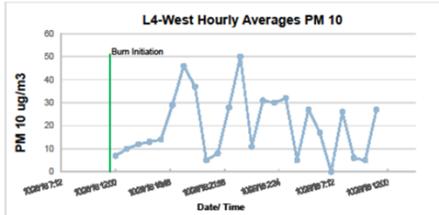
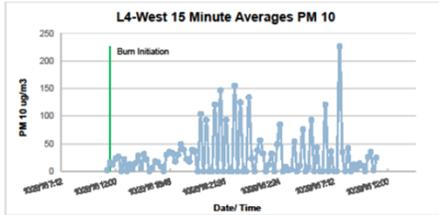


L4-South Hourly Averages PM 2.5

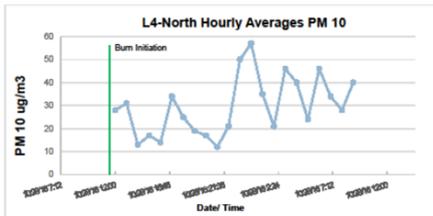
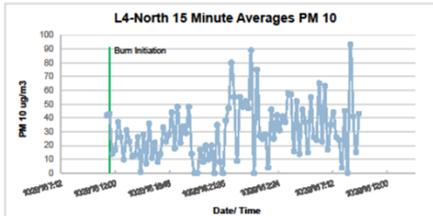


Air Monitoring Graphs – PM10 (505 event)

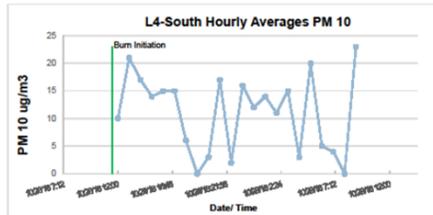
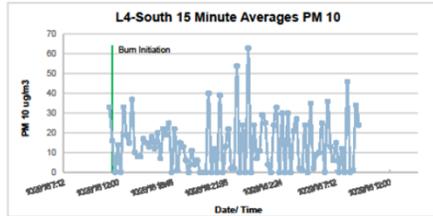
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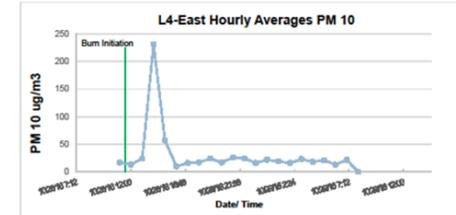
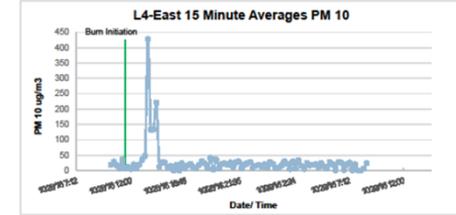
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Burn Initiation: 28 October at 11:30 A.M.



Bunker 505
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Burn Initiation: 28 October at 11:30 A.M.

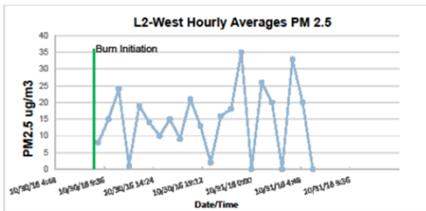
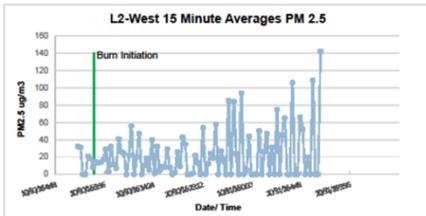


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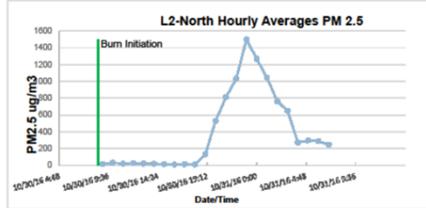
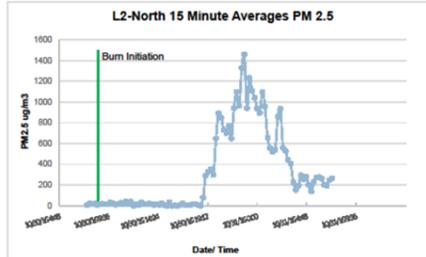


Air Monitoring Graphs – PM2.5 (2432 event)

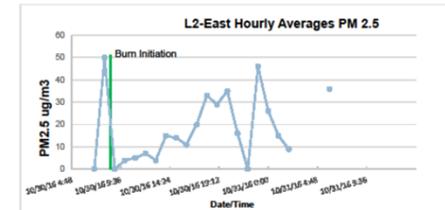
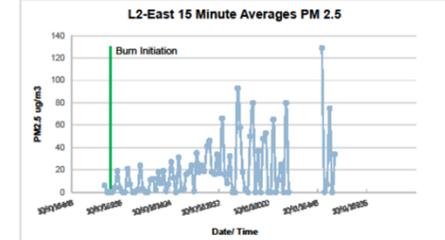
Bunker 2432
30 – 31 October 2016
Burn Initiation: 30 October at 8:34 A.M.



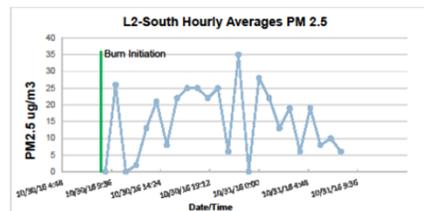
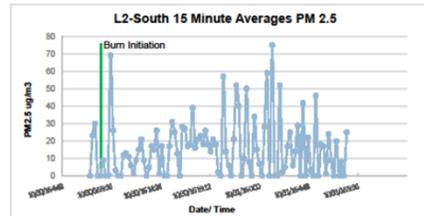
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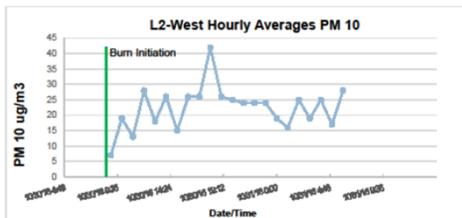
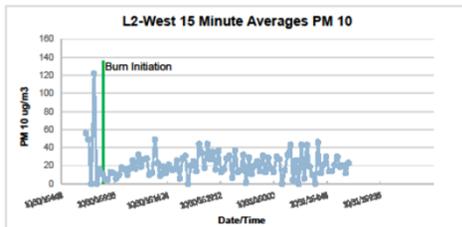


Bunker 2432
30 – 31 October 2016
Burn Initiation: 30 October at 8:34 A.M.

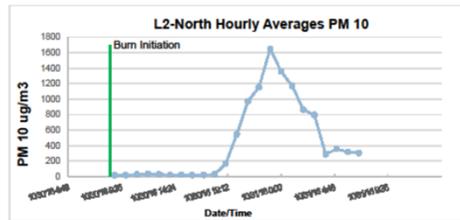
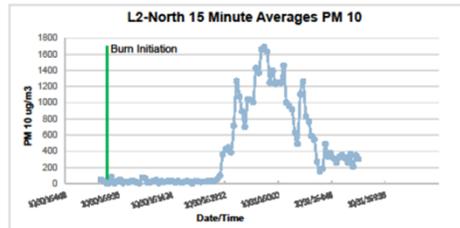


Air Monitoring Graphs – PM10 (2432 event)

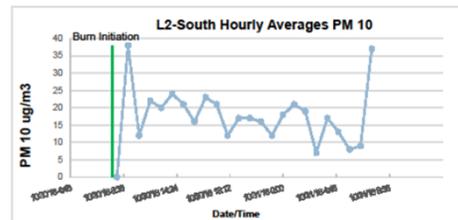
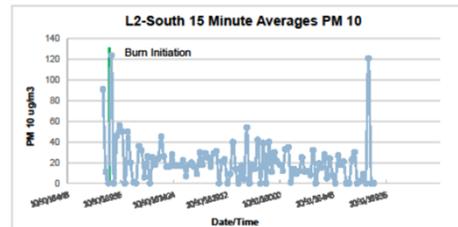
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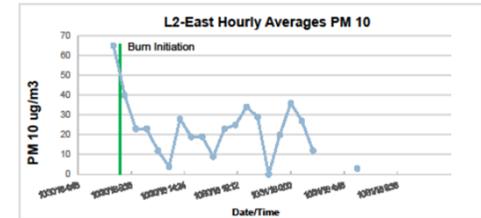
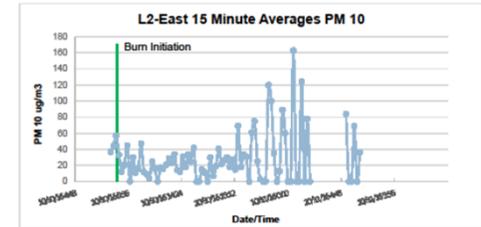
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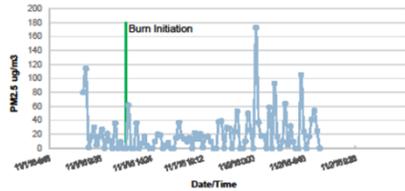
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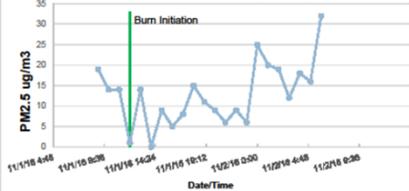
Air Monitoring Graphs – PM2.5 (2471 event)

Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.

L2-West 15 Minute Averages PM 2.5

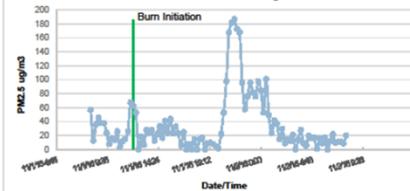


L2-West Hourly Averages PM 2.5

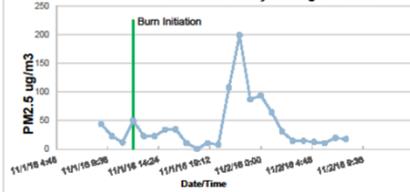


Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.

L2-North 15 Minute Averages PM 2.5

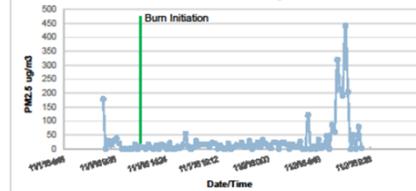


L2-North Hourly Averages PM 2.5

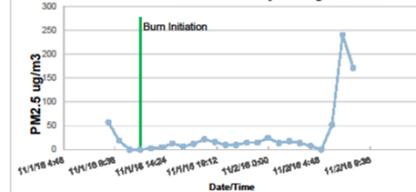


Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.

L2-East 15 Minute Averages PM 2.5

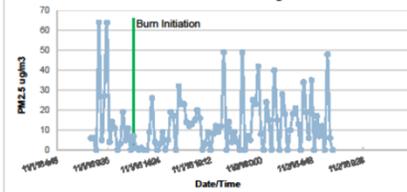


L2-East Hourly Averages PM 2.5

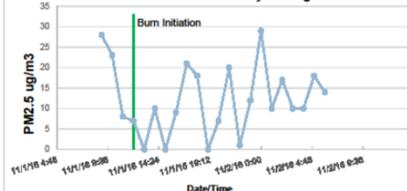


Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.

L2-South 15 Minute Averages PM2.5

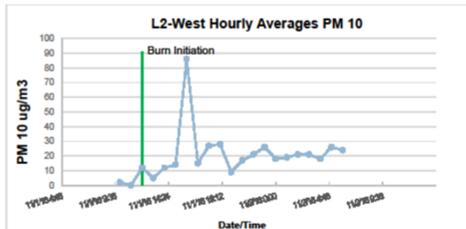
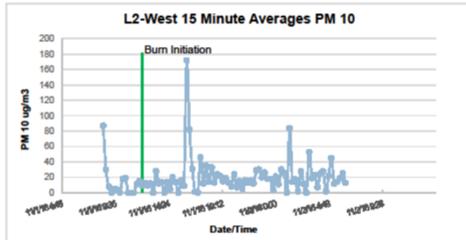


L2-South Hourly Averages PM 2.5

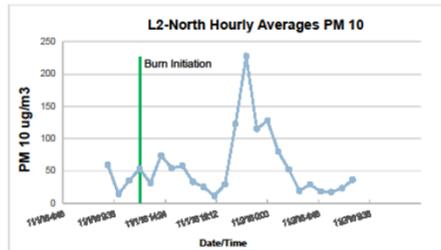
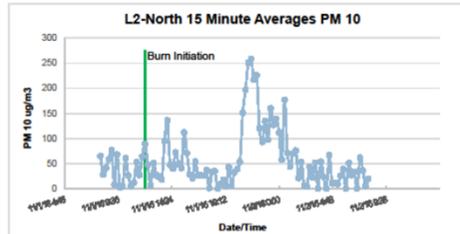


Air Monitoring Graphs – PM10 (2471 event)

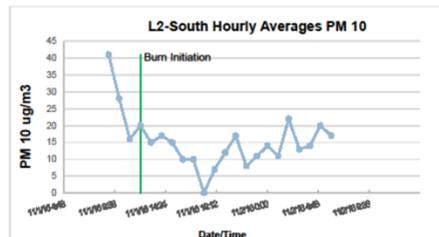
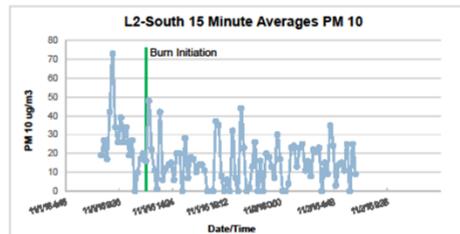
Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.



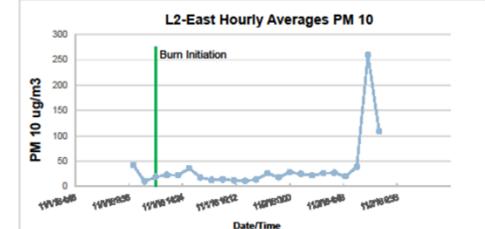
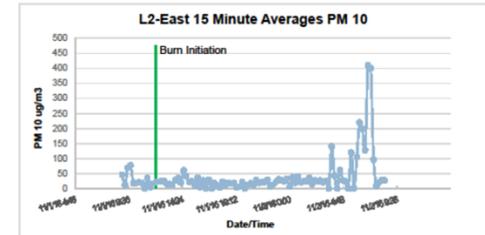
Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.



Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.



Bunker 2471
01 – 02 November 2016
Burn Initiation: 01 November at 12:01 P.M.



Where can I get a copy of this EPA data?

- The TAGA Report is posted.
- The EPA Air Monitoring and Sampling property reports will be provided to the property owners (LMD and Sibley).

- www.epa.gov/la/camp-minden

EPA United States Environmental Protection Agency

Environmental Topics Laws & Regulations About EPA Search EPA.gov

Camp Minden

On this page

- [Site Background](#)
- [Current Actions](#)
- [Future Actions](#)
- [Site Timeline](#)

UPDATE: EXPLO SYSTEMS, INC., CAMP MINDEN, LA

January 5, 2017

On January 1, 2017, the Louisiana Military Department (LMD) contractor, Explosive Service International Inc. (ESI) completed the disposal of 11 million pounds of M6 (approximately 68.8%) successfully out of the originally estimated 15,678,247 pounds of M6. ESI projects completion of the remainder of M6 to be in May of 2017 pending no unforeseen delays. The next quarterly air sampling is scheduled for this month.

Site Background



In 2012, an explosion occurred at the Explo Systems, Inc. operations within Camp Minden. The Louisiana State Police, the primary emergency response authority in Louisiana, responded and discovered large quantities of explosive and propellant materials improperly stored at Camp Minden. The Louisiana State Police immediately ordered Explo Systems, Inc. to store materials providing protection from the weather (heat, rain, cold) conditions. Weather conditions have a direct

Documents

- [Camp Minden Final Analytical TAGA Report](#)
- [Daily EPA Data Reports](#)
- [EPA Environmental Baseline Assessment Reports](#)
- [Work Plan August 2015](#)
- [Response to Feedback on Work Plan](#)

Additional Resources

- [EXIT Camp Minden M6 Dashboard](#)
- [Camp Minden-Explo Story Map](#)
- [Amended Administrative Record Documents](#)
- [Camp Minden Baseline Sampling Plan](#)
- [Minden Dialogue](#)
- [Questions and Answers](#)
- [Reference Documents](#)

For More Information:

Citizens can call toll-free line 800-

Toxicology Summary of Results:

Questions

R6_Camp_Minden@epa.gov

- Any questions?
- We need your feedback on:
 - Future Workshop Topics

Email: R6_Camp_Minden@epa.gov

Info: www.epa.gov/region6 (click on Camp Minden) or
www.epa.gov/la/camp-minden

Thank you again.