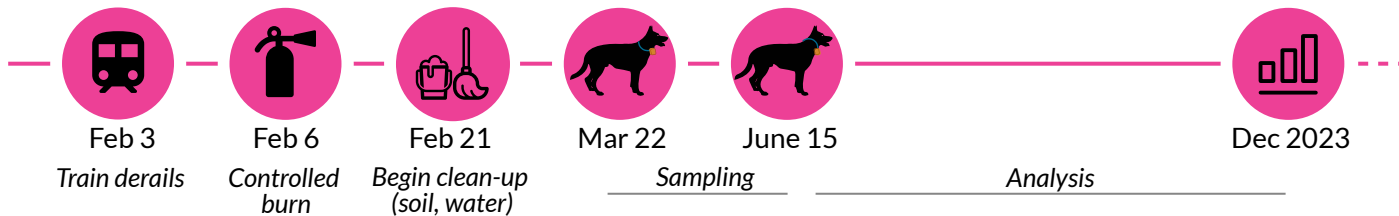


# East Palestine Dog Exposure Study

## Summer 2023 Study Update

On February 3, 2023 a train derailed in East Palestine, Ohio. 38 cars derailed and 11 were carrying toxic chemicals. These chemicals spilled out of the cars and were later burned by the Environmental Protection Agency to prevent explosions.



Following the spill and clean-up, people living nearby had concerns about the chemicals that may have been released. Researchers from several universities are part of this study. We thank the dogs and their families for making this study possible.

### WHAT WE DID

Within 7 weeks, we sent 100 dogs living within 50 miles of the train derailment a passive sampling tag to hang on their collar for one week. 75 tags were returned.

### QUESTIONS?

Scan the QR code or go to: [bit.ly/passive-sampling](https://bit.ly/passive-sampling)



Our email is [support@darwinsark.org](mailto:support@darwinsark.org)  
Include 'East Palestine' in the subject line.



### PASSIVE SAMPLING DOG TAGS

The tag acts like a sponge and absorbs certain types of chemicals from the environment. We can look for over 1,500 chemicals.

## What questions can this data help us answer?

### HOW DOES THIS INFORMATION HELP ME AND MY DOG?

By learning what your dog is exposed to, we can learn what you may also be exposed to. It is hard to understand the relationship between exposure and health. The health effects experienced by a dog or a human can be caused by many different things. We are doing this study and studies like it to better understand how chemical exposures can impact you and your pets

### HOW DO THE CHEMICALS IN OUR DOG TAGS COMPARE TO OTHER AREAS OF THE UNITED STATES?

Through Darwin's Ark, we have over 42,400 dogs registered, and nearly 200 have also worn dog tags. We will be able to compare the results from your dogs to the other dogs in our study.

