



kanekoa.substack.com @KanekoaTheGreat *Mon Feb 13 19:25:56 +0000 2023*

THREAD: Photos, videos, and news reports about the train derailment and toxic chemical release in East Palestine, Ohio.

This may be the largest environmental disaster in U.S. history.

■■ <https://t.co/0qgtdpN7fQ>







#2 You are looking at a toxic cocktail of deadly chemicals purposefully being burned off in East Palestine after a train derailment.

Authorities burned off vinyl chloride, which is toxic & carcinogenic, and released harmful & dangerous hydrogen chloride & phosgene into the air. <https://t.co/YHmAHRxshi>

#3 Phosgene is a highly toxic, colorless gas with a strong odor that causes vomiting & breathing trouble & it was used as a chemical weapon in World War I.

Hydrogen chloride is a colorless to yellowish gas with a strong odor, that causes skin, eye, nose, and throat irritation. <https://t.co/UPJiLmzPMY>

#4 Wisconsin Department of Health:

"Exposure to vinyl chloride can affect a person's liver, kidney, lung, spleen, nervous system and blood."

"Human and animal studies show higher rates of liver, lung and several other types of cancer."

<https://dhs.wisconsin.gov/chemical/vc.htm#:~:text=Exposure%20to%20vinyl%20chloride%20may,spleen%2C%20nervous>
<https://t.co/ZzCX55iyvh>

Vinyl chloride is very toxic. People should avoid contact with this chemical. The following health effects can occur after several years of exposure to vinyl chloride:

- Damage to the nervous system
- Changes in the immune system
- Decrease in bone strength in fingers, arms, and joints.

Exposure to vinyl chloride may increase a person's risk of developing cancer. Human and animal studies show higher rates of liver, lung and several other types of cancer.

Being exposed to vinyl chloride can affect a person's liver, kidney, lung, spleen, nervous system and blood.

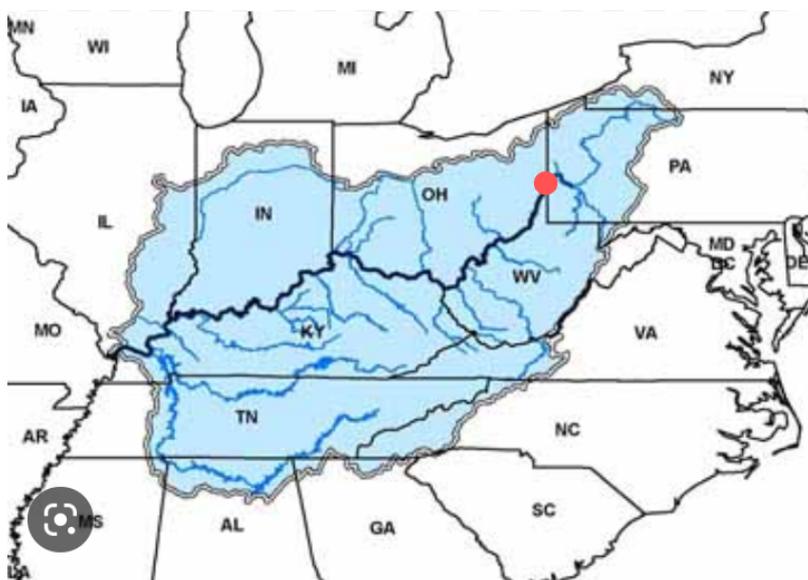
People exposed to levels of 1,000,000 ppb or more in air may have an increased risk of miscarriage and birth defects. Damage to male sperm-producing organs has occurred in laboratory animals.

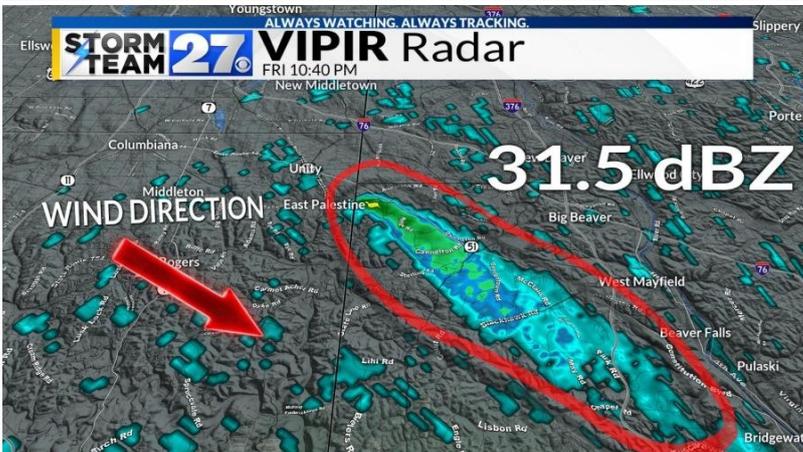
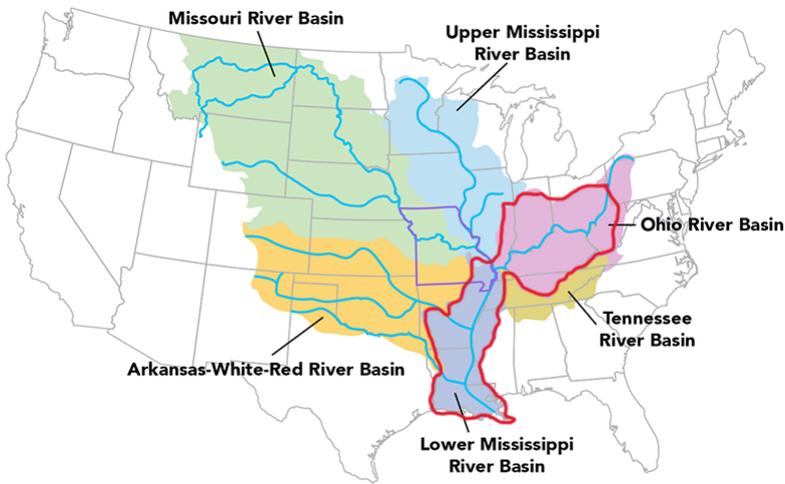
Vinyl chloride can be found in urine and body tissues after recent exposures. However, test results may not accurately reflect the level or duration of the exposure, or predict future health effects. Function tests of bone marrow, liver, kidney, and nerves may be useful in determining the effects of vinyl chloride exposure.

Seek medical advice if you have any symptoms that you think may be related to chemical exposure.

#5 The vinyl chloride burn occurred near the Ohio River which flows directly into the Mississippi River.

Thousands of farms may be affected by this. <https://t.co/mFhffyB0uH>





#6 The EPA sent a letter to the rail company, stating that ethylene glycol monobutyl ether, ethylhexyl acrylate, & isobutylene were also in the rail cars.

"We basically nuked a town with chemicals so we could get a railroad open."

<https://www.wkbn.com/news/local-news/east-palestine-train-derailment/3-additional-chemicals-discovered-on-east-palestine>

#7 Amanda Breshears found her chickens dead ten miles from East Palestine.

"As soon as they started the burn, my chickens slowed down and they died."

"If it can do this to chickens in one night, imagine what it's going to do to us in 20 years."

<https://www.wkbn.com/news/local-news/east-palestine-train-derailment/north-lima-woman-finds-chickens-dead-tuesday>

<https://t.co/hy5umayYXU>

#8 There are reports of dead fish in rivers and creeks 5 miles away from the train derailment.

<https://www.cbsnews.com/pittsburgh/video/dead-fish-found-in-leslie-run-near-east-palestine-train-derailment/#x>

<https://t.co/G43pdY41RB>

#9 Dead fish in Leslie Run coming out of East Palestine, Ohio. <https://t.co/E7LdETovqJ>

#10 Taylor Holzer, a fox-keeper, just outside of the evacuation zone, says one of his foxes died, and all have been acting sick since the vinyl chloride burn.

"The chemicals we're being told are safe... are definitely not safe for animals... or people."

<https://www.wkbn.com/news/local-news/east-palestine-train-derailment/health-concerns-mounting-as-animals-become->

<https://t.co/wfnPlk0juk>

#11 The top 10 railroad owners of the Norfolk Southern Corp include:

Vanguard

JPMorgan

BlackRock <https://t.co/SAp5tUr2NE>

Stockholder	Stake	Shares owned	Total value (\$)	Shares bought / sold	Total change
The Vanguard Group, Inc.	7.68%	17,504,705	4,302,831,536	-73,590	-0.42%
JPMorgan Investment Management, L...	4.54%	10,357,371	2,545,945,366	+265,024	+2.63%
BlackRock Fund Advisors	4.54%	10,349,391	2,543,983,802	-172,790	-1.64%
SSgA Funds Management, Inc.	4.47%	10,202,722	2,507,931,095	-181,946	-1.75%
Lazard Asset Management LLC	3.35%	7,647,054	1,879,722,344	+1,181,936	+18.28%
Capital Research & Management Co....	3.29%	7,496,877	1,842,807,335	+1,335,957	+21.68%
Capital Research & Management Co....	2.54%	5,796,112	1,424,742,291	-107,517	-1.82%
Geode Capital Management LLC	1.79%	4,073,198	1,001,232,800	+22,718	+0.56%
Wells Fargo Clearing Services LLC	1.50%	3,425,373	841,990,937	+652	+0.02%
Lazard Asset Management Pacific C...	1.46%	3,338,718	820,690,272	-23,914	-0.71%

#12 The East Palestine, Ohio, toxic chemical burn may be the largest environmental disaster in U.S. history.

<https://t.co/z5kJPVsRGn>

#13 A former resident of East Palestine says "it is so much worse" than the media tells us.

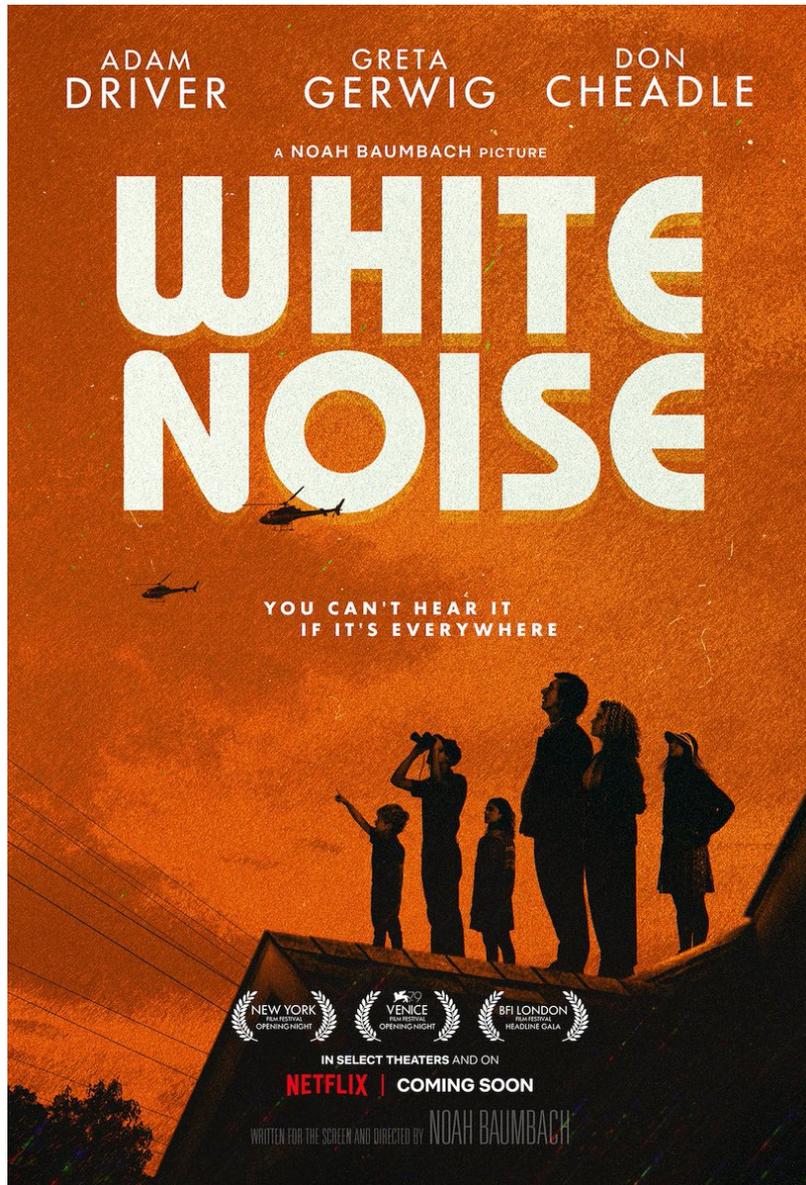
"The water has been contaminated. The soil is contaminated. The f---in air is contaminated." <https://t.co/upHNI0fTag>

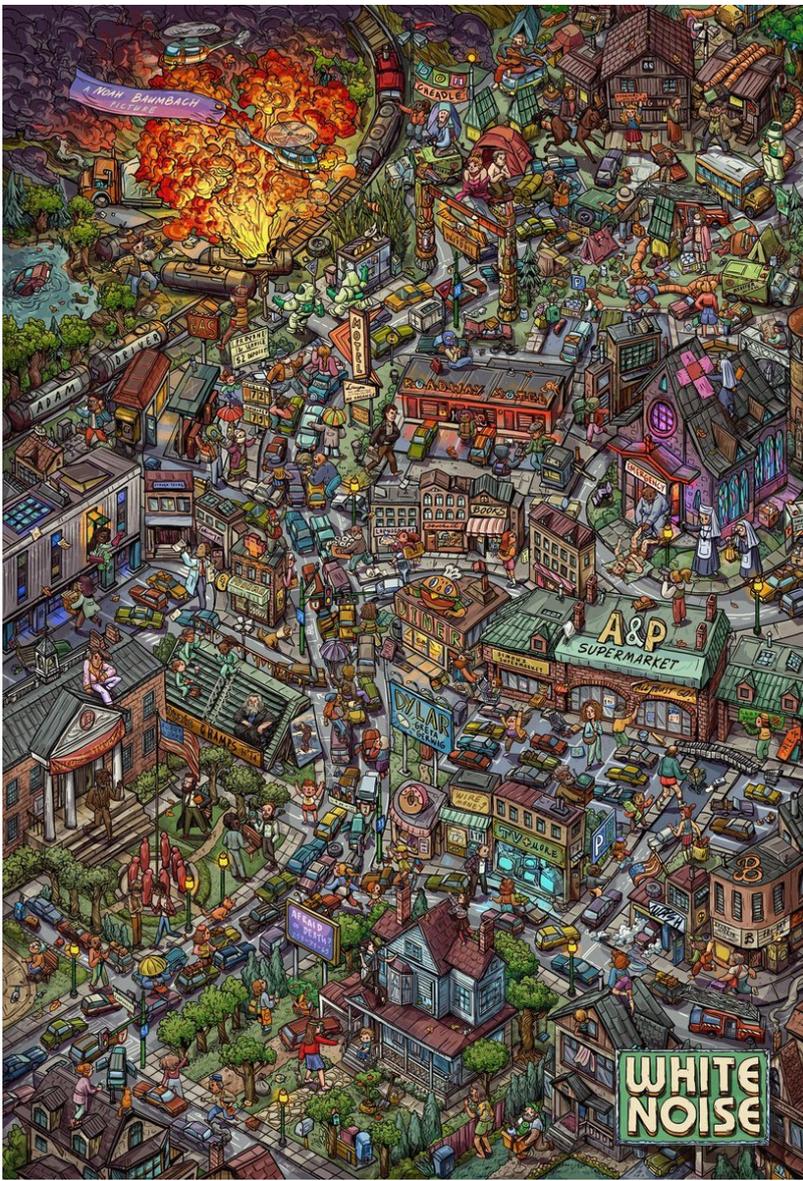
#14 Three new dangerous chemicals were found on the train that derailed in East Palestine, Ohio:

- ethylene glycol mono butyl ether
- ethlyhexyl acrylate
- isobutylene

<https://twitter.com/CitizenFreePres/status/1625166530022612993>

#15 Netflix recently released a film called White Noise about a train derailment of toxic chemicals causing a massive explosion and deadly event in East Palestine, Ohio.





#16 The CDC's Medical Management Guidelines for Vinyl Chloride:

- Health Effects
- Routes of Exposure
- Patient Information Sheet
- Prehospital Management

<https://www.cdc.gov/TSP/MMG/MMGDetails.aspx?mmgid=278&toxid=51> <https://t.co/TC3vJrfnob>

Health Effects

- The primary target of vinyl chloride acute exposure is the CNS. Signs and symptoms include dizziness, ataxia, inebriation, fatigue, numbness and tingling of the extremities, visual disturbances, coma, and death.
- Vinyl chloride can irritate the eyes, mucous membranes, and respiratory tract. Escaping compressed gas or liquid can cause frostbite or irritation of the skin and eyes.
- Chronic exposure can cause permanent liver injury and liver cancer, neurologic or behavioral symptoms, and changes to the skin and bones of the hand.
- Vinyl chloride's acute CNS effects are likely to be caused by interaction of the parent compound with neural membranes. Other effects appear to be caused by interaction of reactive intermediates with macromolecules.

Routes of Exposure

INHALATION

Inhalation is the primary route of exposure, and vinyl chloride is readily absorbed from the lungs. Its odor threshold is too high to provide an adequate warning of hazardous concentrations. The odor of vinyl chloride becomes detectable at around 3,000 ppm and the OSHA PEL is 1 ppm (8-hour TWA). Therefore, workers can be overexposed to vinyl chloride without being aware of its presence. A 5-minute exposure to airborne concentrations of 8,000 ppm can cause dizziness. As airborne levels increase to 20,000 ppm, effects can include drowsiness, loss of coordination, visual and auditory abnormalities, disorientation, nausea, headache, and burning or tingling of the extremities. Exposure to higher concentrations of vinyl chloride for longer durations can cause death, presumably due to central nervous system (CNS) and respiratory depression. The gas is heavier than air and can cause asphyxiation in poorly ventilated or enclosed spaces.

Children exposed to the same levels of vinyl chloride as adults may receive a larger dose because they have greater lung surface area:body weight ratios and increased minute volumes:weight ratios. In addition, they may be exposed to higher levels than adults in the same location because of their short stature and the higher levels of vinyl chloride found nearer to the ground.

SKIN/EYE CONTACT

Direct skin contact with escaping compressed gas or liquid vinyl chloride can cause frostbite injury, but systemic absorption is negligible. Direct ocular exposure to vinyl chloride vapor can cause localized burns or irritation of the conjunctiva and cornea.

INGESTION

Ingestion of vinyl chloride is unlikely because it is a gas at room temperature. Small amounts can dissolve in other liquids, but in such small concentrations that acute toxicity is unlikely.

Vinyl Chloride (C₂H₃Cl) Patient Information Sheet

This handout provides information and follow-up instructions for persons who have been exposed to vinyl chloride.

What is vinyl chloride?

Vinyl chloride is a colorless gas at room temperature that has a mild, sweet odor. It is handled and shipped as a liquid under high pressure in a special container. It is used to produce polyvinyl chloride (PVC), a plastic material used to make many products, including automotive parts, furniture, and building materials.

What immediate health effects can be caused by exposure to vinyl chloride?

Inhaling vinyl chloride causes sleepiness and dizziness, and can cause loss of consciousness. If pressurized liquid vinyl chloride escapes from its container and comes in contact with the skin or eyes, it can cause frostbite or irritation.

Can vinyl chloride poisoning be treated?

There is no antidote for vinyl chloride, but its effects can be treated and most exposed persons recover completely. Persons who have inhaled large amounts of vinyl chloride might need to be hospitalized.

Are any future health effects likely to occur?

A single small exposure from which a person recovers quickly is unlikely to cause delayed or long-term effects. Exposure to vinyl chloride over many years can affect the liver, nervous system, and skin. Long-term exposure can cause a rare form of liver cancer.

What tests can be done if a person has been exposed to vinyl chloride?

Specific tests for the presence of vinyl chloride in the breath or breakdown products in the urine are available, but they must be performed shortly after exposure and are not generally helpful. If a severe exposure has occurred, blood and other tests might show whether the liver or other organs have been damaged. Testing is not needed in every case.

Where can more information about vinyl chloride be found?

If the exposure happened at work, you might be required to contact your employer and the Occupational Safety and Health Administration (OSHA). Employees may request a Health Hazard Evaluation from the national Institute for Occupational Safety and Health (NIOSH).

You can get more information about vinyl chloride from your regional poison control center; your state, county, or local health department; the Agency for Toxic Substances and Disease Registry (ATSDR); your doctor; or a clinic in your area that specializes in occupational and environmental health. Ask the person who gave you this form for help locating these telephone numbers.

Prehospital Management

- Victims exposed only to vinyl chloride gas pose no risk of secondary contamination to rescuers. Victims whose skin or clothing is contaminated with liquid vinyl chloride can contaminate rescuers by direct contact or through off-gassing of vapor.
- The primary target of vinyl chloride acute exposure is the CNS. Signs and symptoms include dizziness, ataxia, inebriation, fatigue, numbness and tingling of the extremities, visual disturbances, coma, and death.
- Vinyl chloride also can irritate the eyes, mucous membranes, and respiratory tract. Escaping compressed gas or liquid can cause frostbite or irritation of the skin and eyes.
- There is no antidote for vinyl chloride. Treatment consists of support of respiratory and cardiovascular functions.

#17 Video shows sparks or flames 20 miles before train derailment in East Palestine:

"We have obtained two videos which show preliminary indications of mechanical issues on one of the rail car axles."

<https://www.cbsnews.com/news/ohio-train-derailment-video-sparks-flames-well-before/> <https://t.co/sQZpxTD9Ah>

#18 Norfolk Southern Corporation (NSC), with total assets worth \$38 billion in 2020, operates the railway that caused the toxic chemical release in East Palestine, Ohio.

Last Monday, the company made a \$25,000 donation to assist evacuating residents.

<https://qz.com/norfolk-southern-is-giving-25-000-to-an-ohio-town-when-1850094599>

#19 Norfolk Southern Corporation manages 19,420 route miles in 22 eastern states and the District of Columbia and has rights in Canada over the Canadian Pacific Railway's Albany to Montréal route.

Around 6% of its deliveries are chemicals. <https://t.co/i2Lvr2FT4Y>

About NORFOLK SOUTHERN

19,500 ROUTE MILES across 22 STATES & D.C.

MAKING CONNECTIONS
Norfolk Southern (NYSE: NSC) has served the freight transportation needs of America for nearly two centuries, connecting businesses and communities to the marketplaces of the world — creating jobs, supporting economies, and transporting goods on safe, environmentally friendly rail.

- 43 PORTS SERVED
- 61 AUTOMOTIVE FACILITIES SERVED
- 55 INTERMODAL TERMINALS
- 154 TUNNELS
- 62,700 FREIGHT CARS
- 250 SHORT LINE CONNECTIONS (Add 20,000+ miles to NS network)
- CONNECTS with Western rail carriers
- 4,155 LOCOMOTIVES
- 9,706 BRIDGES
- 41 RAIL-TRUCK TRANSFER FACILITIES

DELIVERING FOR AMERICAN INDUSTRY AND CONSUMERS
NS trains transport auto parts and finished vehicles, lumber to build homes, coal to generate electricity and manufacture steel, food on grocery store shelves, grain for poultry and livestock farmers, and a host of other products essential to households, businesses, and industries.

METALS & CONSTRUCTION	AGRICULTURE	CHEMICALS	PAPER, CLAY & FOREST	COAL	INTERMODAL	AUTOMOTIVE	7.6 MILLION TOTAL CARLOADS
10%	8%	6%	4%	15%	52%	5%	

SUPPORTING ECONOMIES & COMMUNITIES

Economic Impact

- 27,100 EMPLOYEES
- \$2.2 BILLION PAYROLL
- \$121,000 ANNUAL AVERAGE EMPLOYEE WAGE & BENEFITS
- \$5.2 BILLION PURCHASES & PAYMENTS
- \$930 MILLION LOCAL, STATE & FEDERAL TAXES PAID
- \$1.7 BILLION NS-FUNDED CAPITAL INVESTMENTS (locomotives, freight cars, tracks and bridges)

Business Magnet
ATTRACTING ECONOMIC GROWTH

- 75 INDUSTRIES NS HELPED LOCATE & EXPAND
- \$1 BILLION IN CUSTOMER INVESTMENTS
- 2,000 JOBS CREATED

Extensive Network Reaches Over

- 50% OF U.S. POPULATION MANUFACTURING & ENERGY CONSUMPTION

Greener for the Globe
RAIL'S ENVIRONMENTAL ADVANTAGES

- 1 TRAIN = 280 TRUCKS
- NS TRAINS GET 410 MPG PER TON

Safety is our No. 1 Priority
COMMUNITY EDUCATION & OUTREACH

- 8,100 FIRST RESPONDERS TRAINED

WHEN YOU SEE TRACKS, THINK TRAIN!
EXPECT A TRAIN ON ANY TRACK AT ANY TIME.

OPERATION LIFESAVER
Look, Listen & Live

Charitable Giving
NS FOUNDATION | 2013-2017

- 46 MILLION DOLLARS IN CHARITABLE GIVING, EDUCATION & ENVIRONMENTAL INVESTMENT

2017 DATA

CONNECT WITH NS

Norfolk Southern Corp. | www.nscorp.com
3 Commercial Place, Norfolk, Va. 23510
Report emergencies | 800-453-2530

NORFOLK SOUTHERN
One line. Infinite possibilities.

#20 A Facebook update yesterday from a Darlington, Pennsylvania kennel owner says after 20 minutes outside they had "horrible headaches, runny noses, burning and swollen eyes, pulsations within the eye sockets, itchy throat, and coughing."

After <https://www.facebook.com/vonschwarzdobermanns...>
<https://twitter.com/i/web/status/1625235268277272576> <https://t.co/BZULK8idb2>



Kennel is at [\[Redacted\]](#) Kennel.
 Yesterday at 3:46 AM · Darlington, PA · 🌐

...

As many of you already know, **our kennel and home reside on the state line between East Palestine, OH and Darlington, PA**, the location in which the train derailment and subsequent controlled detonation of 5 vinyl chloride cars occurred. This is essentially our backyard and on the same road as our home, boarding/training business ([The Southern Border LLC](#)), and our beloved [\[Redacted\]](#) Kennel.

The derailment occurred on Friday February 3rd in the evening. Many people were immediately evacuated within a 1 mile radius. We are 1.2 miles from accident to driveway, however less than a half of a mile from the edge of our 26 acres to the crash site which was up in flames. We were told we could stay for the time being.... the fire continued for days. We ended up keeping the boarding kennel open, and offering free boarding services to the fire evacuation families to provide a safe place for their dogs to stay while they themselves evacuated their homes.

On Sunday afternoon, the situation changed very quickly. We were made aware that the temperature in the 5 vinyl chloride cars were increasing and they were worried about a catastrophic failure if the cars would explode on their own. The emergency personnel decided it was best to perform a controlled detonation of the 5 cars, so now a 1x2 mile radius, which included our home and kennels, were being evacuated as of Sunday at 8pm.

With the help of [\[Redacted\]](#) Moving Group and our wonderful staff, we were able to evacuate all of the VSD's as well as the dogs we had boarding at our facility totaling 30 dogs overnight (8pm-6am). We brought them into a private residence with a finished basement 20 min away and placed crates to contain the dogs for the time being. There is a large unfenced yard, and we brought a 10 x 10 run in the moving truck for some unleashed exercise.

The next morning, just a few hours before the detonation, we evacuated an additional 9 horses, of which one was my 6 month old filly Cedar and her mother. To say the area was like a war zone, with military tankers ever 1/2 mile, government, state police, local police, and emergency services, is an understatement. It was surreal, and unlike anything you could imagine... the anticipation of the detonation was in the back of everyone's mind, not knowing if the cars would prematurely combust on their own. We hurried as much as we could, and safely got all horses, dogs, cats, and humans out prior to the detonation.

The controlled detonation took place around 4:30pm on Monday afternoon, and a big black smoke plume went into the air. **When vinyl chloride combusts, it turns into 2 other bi-product gases; Phosgene and hydrogen chloride (along with some other chemicals also on board).** These two gases are highly toxic and deadly, as phosgene was used to kill over 140,000 soldiers during World War 1.

It is now Sunday, 7 days post our evacuation. **We are staying evacuated until independent testing of our air, soil, and well water are tested and deemed safe. Unfortunately, other wells in the area have been tested, and have been deemed unsafe.** It is extremely hard to find testing agencies and laboratories that are independent from the railroad and EPA; nearly impossible. There are environmental consulting services that can do the testing; however the price ranges from 20-50k.

There are MANY unknowns for human and animal safety both short and long term. We are anticipating being gone for weeks, if we EVER go back at all. An immense amount of work would need to be done, and an incredible amount of knowledge would need to be revealed in order to better understand how this could affect our health, the dogs health, and the future reproductive health of our dogs. **We went to the facility to collect some whelping supplies for our anticipated Fedra x Hasko breeding; and within 20 minutes we had horrible headaches, runny noses, burning and swollen eyes, pulsations within the eye sockets, itchy throat, and coughing.**

Until we have a better grasp on whats going on at, "the place we once called home", we will stay evacuated. Please know that all dogs are safe and out of harms way, and the upcoming litter will be born offsite, in my own personal care, at the private home of which we have evacuated. The set up is not ideal in anyway, but filled with love, hope, and optimism. The only thing that matters thus far, is that we are all safe and together 🙏

#21 The EPA's liability letter sent to Norfolk Southern Railway Company on Feb 10th:

"Cars containing vinyl chloride, butyl acrylate, Ethylhexyl acrylate, and ethylene glycol monobutyl ether are known to have been and continue to be released to the air,
<https://epaos.org/sites/15933/files/Norfolk%20Southern%20East%20Palestine%20Train%20Derailment%20General%20>
<https://twitter.com/i/web/status/1625259653256085504> <https://t.co/9oQae9gld6>



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

February 10, 2023

REPLY TO THE ATTENTION OF:
SE-5J

VIA EMAIL AND FED EX OVERNIGHT DELIVERY
SIGNATURE REQUIRED

Norfolk Southern Railway Company
c/o Matt Germand, Deputy General Counsel
650 West Peachtree Street NW
Atlanta, Georgia 30308

Re: East Palestine Train Derailment Site
Norfolk Southern Rail Line, East Palestine, Columbiana County, Ohio
Site/Spill Identifier (SSID): C5XR
General Notice of Potential Liability

Dear Mr. Germand:

The U.S. Environmental Protection Agency has documented the release or threat of release of hazardous substances, pollutants or contaminants into the environment from the East Palestine Train Derailment Site (the Site) located in East Palestine, Ohio (Latitude: 40.8360864°N, Longitude: -80.5215884°W). On February 3, 2023, at approximately 8:55 PM EST, a Norfolk Southern train comprised of roughly 150 rail cars derailed. Approximately 20 rail cars were listed as carrying hazardous materials. Cars containing vinyl chloride, butyl acrylate, ethylhexyl acrylate, and ethylene glycol monobutyl ether are known to have been and continue to be released to the air, surface soils, and surface waters.

Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly known as the federal "Superfund" law, EPA is responsible for responding to the release or threat of release of hazardous substances, pollutants or contaminants into the environment – that is, for stopping further contamination from occurring and for cleaning up or otherwise addressing any contamination that has already occurred. EPA has spent, or is considering spending, public funds to investigate and control releases of hazardous substances or potential releases of hazardous substances at the Site. Based on information presently available to EPA, EPA has determined that Norfolk Southern Railway Company (Norfolk Southern or "you") may be responsible under CERCLA for cleanup of the Site or costs EPA has incurred in cleaning up the Site.

Explanation of Potential Liability

Under CERCLA, specifically Sections 106(a) and 107(a), potentially responsible parties (PRPs) may be required to perform cleanup actions to protect the public health, welfare, or the environment. PRPs may also be responsible for costs incurred by EPA in cleaning up the Site, unless the PRP can demonstrate divisibility or assert one of the statutory defenses. PRPs include current and former owners and operators of a Site, as well as persons who arranged for treatment and/or disposal of any hazardous substances found at the Site, and persons who accepted hazardous substances for transport and selected the Site to which the hazardous substances were delivered.

Based on the information collected during and following the incident that occurred on February 3, 2023, at approximately 8:55 PM EST in East Palestine, Ohio, EPA believes that Norfolk Southern may be liable under Section 107(a) of CERCLA with respect to the East Palestine Train Derailment Site, as a current or previous owner and/or operator of the Site. To date, EPA has taken response actions at the Site under the authority of the Superfund Program. Below is a brief description of the actions and observations taken by EPA at the Site to date:

1. Conducted air monitoring around the scene of the incident, the surrounding community, and residential air monitoring as part of the re-occupancy plan;
2. Conducted air and water sampling;
3. Made the following observations:
 - a. Materials released during the incident were observed and detected in samples from Sulphur Run, Leslie Run, Bull Creek, North Fork Little Beaver Creek, Little Beaver Creek, and the Ohio River.
 - b. Materials related to the incident were observed entering storm drains.
 - c. Multiple rail cars and tankers were observed derailed, breached, and/or on fire, that included but not limited to the following materials:
 - i. Vinyl chloride
 - ii. Ethylene glycol monobutyl ether
 - iii. Ethylhexyl acrylate
 - iv. Isobutylene
 - v. Butyl acrylate.
 - d. Five rail car tankers of vinyl chloride were intentionally breached; the vinyl chloride was diverted to an excavated trench and then burned off.
 - e. Areas of contaminated soil and free liquids were observed and potentially covered and/or filled during reconstruction of the rail line including portions of the trench /burn pit that was used for the open burn off of vinyl chloride.

EPA has received information that your organization may own or operate the Site or may have generated or transported hazardous substances at the Site. By this letter, EPA notifies you of your potential liability with regard to this matter and encourages you, as a PRP, to agree to reimburse EPA for costs incurred to date and to voluntarily perform or finance the response activities that EPA has determined or will determine are required at the Site.

#22 The EPA released a manifest last night from Norfolk Southern summarizing more chemicals that were released in East Palestine, Ohio:

- Three cars of Diethylene Glycol
- One car of Polypropyl Glycol
- One car of Propylene Glycol
- Two cars of

<https://epaossc.org/sites/15933/files/TRAIN%2032N%20-%20EAST%20PALESTINE%20-%20derail%20list%20Norfolk%20>
<https://twitter.com/i/web/status/1625265887933788160> <https://t.co/fG5KXD8qCA>

#23 Norfolk Southern Railroad pulled 180,000 gallons of "oil and water" from the East Palestine train derailment site.

The company issued a remediation plan to the Ohio Environmental Protection Agency on Monday detailing its recovery efforts.

- Sampled

<https://www.cincinnati.com/story/news/2023/02/13/norfolk-southern-submits-east-palestine-derailment-remediation-plan/>
<https://twitter.com/i/web/status/1625294752643162112>

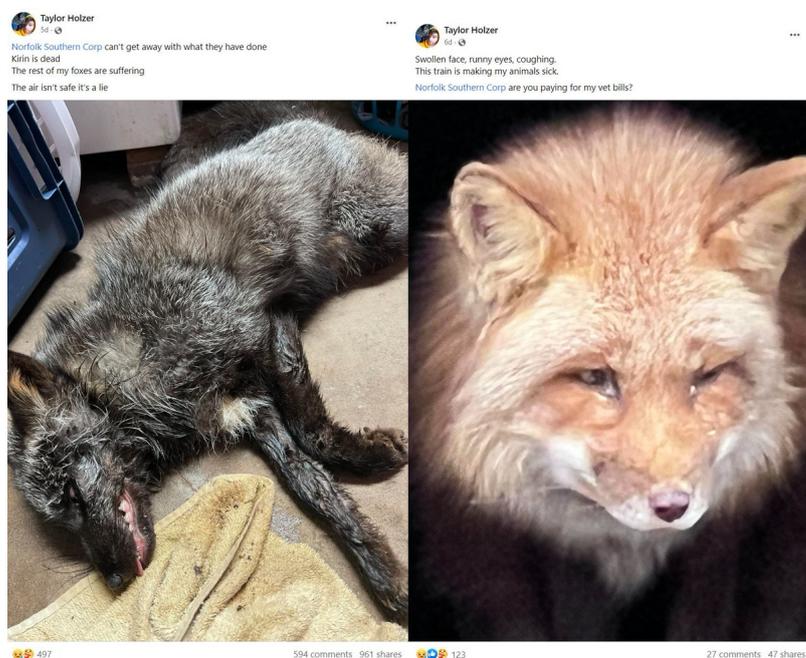
#24 Hazmat specialist is concerned authorities aren't testing for phosgene, hydrogen chloride, and dioxins in East Palestine, Ohio.

"Phosgene takes a special photo-ionization lamp or a special meter... What are they checking for? They only give lists of what they have found.... <https://twitter.com/i/web/status/1625577794976755712> <https://t.co/HJFzPUP2ue>

#25 Taylor Holzer, a fox-keeper in East Palestine, Ohio, says several foxes he keeps on his property became mortally ill.

"Norfolk Southern Corp can't get away with what they have done. Kirin is dead. The rest of my foxes are suffering."

<https://twitter.com/KanekoaTheGreat/status/1625214720696524806> <https://t.co/T6OAYijuUU>



#26 A resident scoops up dead fish and frogs 4 miles south of the train derailment and toxic chemical release in East Palestine, Ohio.

"In a single dip of my net, I collected nearly two dozen dead (or near dead) aquatic animals."

<https://twitter.com/KanekoaTheGreat/status/1625214717945057282> <https://t.co/TmaitoLPVz>

Logan Rance
5d · 🌐

If I've learned anything from years of studying and working in ecology and environmental science, it's that we are closely connected to our environment. Human health and environmental health go hand in hand.

I'm visiting home, and tonight I made a quick trip to Leslie Run 4 miles south of the East Palestine derailment. In a single dip of my net, I collected nearly two dozen dead (or near dead) aquatic animals. Not all are pictured. I'm not a fish expert, but I believe there are 12 different aquatic species pictured here. I could see other frogs and salamanders dying on the banks. This is only one tiny point in a single tributary of a much larger watershed.

As I was walking back to the car I got a notification that the evacuation order had been lifted. When it comes to drinking your well water and breathing in these fumes for extended periods of time, please trust your gut. The evidence is all around us that things are far from okay.

Wishing peace and health to my neighbors in EP.



👍👎👏 123

273 shares

#27 Mother talks about her 9-year-old asthmatic son's reaction to toxic chemical release in East Palestine, Ohio:

"He was projectile vomiting across the floor out of nowhere...he was shaking, begging for water, he said he couldn't breathe... he broke out <https://www.youtube.com/watch?v=Khwmpil-kiw...>
<https://twitter.com/i/web/status/1625664707721056257> <https://t.co/7HN2PDg7SY>

#28 Katlyn Schwarzwaelder tells Glenn Beck four of her dogs were projectile vomiting, her eyes and throat get itchy and burn when she visits her home, and she plans to abandon East Palestine forever because of her long-term health concerns:

"I had four <https://www.youtube.com/watch?v=BQ2dV7hwoOc...>
<https://twitter.com/i/web/status/1625716427419430912> <https://t.co/sFeYdv3jjm>

#29 BREAKING: East Palestine toxicology test relies on a controversial consulting firm accused of serving corporate interest rather than public health.

The Norfolk Southern contractor has already persuaded 340 residents to sign away their legal rights.

<https://kanekoa.substack.com/p/east-palestine-toxicology-test-relies>

#30 CTEH, a private contractor hired by Norfolk Southern to test water, soil, and air quality in East Palestine, Ohio, has a history of minimizing the effects of environmental disasters to satisfy its corporate employers.

After a million gallons of oil <https://kanekoa.substack.com/p/east-palestine-toxicology-test-relies...>
<https://twitter.com/i/web/status/1625979465477287937> <https://t.co/Q11bG27ETm>



This Consulting Firm Was at the Center of Katrina and the BP Spill. Now It's Under Fire Again.

The Center for Toxicology and Environmental Health is no stranger to controversy. twitter.com/kanekoathegreat

A crude oil spill during Hurricane Katrina in 2005. A coal ash spill in Tennessee in 2008. The BP oil spill in 2010. In all three cases, the companies responsible for these environmental calamities turned to the same Arkansas-based consulting firm, the [Center for Toxicology and Environmental Health](#), to monitor air and water quality and workers' chemical exposure.

And each time, CTEH was later accused of mishandling data collection. And companies used CTEH's findings to reassure people that the spilled chemicals posed little risk to public health.

#31 CTEH's work for BP in the wake of the Deepwater Horizon oil spill in 2010, for example, drew accusations of the "fox guarding the chicken coop" from the New York Times:

"As BP continues to claim that the leaking oil has caused "no significant <https://kanekoa.substack.com/p/east-palestine-toxicology-test-relies...> <https://twitter.com/i/web/status/1625983261628592139>

#32 In 2010, Congressional Democrats pressured BP to fire the toxicology testing company used by Norfolk Southern and the EPA in East Palestine, Ohio.

The lawmakers claimed the company had a "long pattern of tainted results," prioritizing corporate interests over public health. <https://t.co/e602yR1tNq>

Congress of the United States
Washington, DC 20515

June 25, 2010

KANEKOA THE GREAT

Mr. Tony Hayward
Chief Executive Officer
BP PLC
1 St. James's Square
London SW1Y 4PD
United Kingdom

Dear Mr. Hayward,

It has come to our attention that BP has hired the Center for Toxicology and Environmental Health (CTEH) to serve as the primary monitor of offshore cleanup workers' health exposures. We are incredibly disappointed to discover that BP has again made a decision that endangers the health and safety of those trying to clean up its mess. BP has had a questionable record of protecting the health and safety of the workers and volunteers from the start, and the choice of CTEH to perform critical toxicology functions is yet another misstep at the expense of the public's health.

According to an article by Greenwire published on the New York Times website on June 18, 2010, CTEH has a history of being hired by companies accused of harming public health and releasing findings defending the corporate interests that employ them. For example, when commissioned by Knauf Plasterboard Tianjin to test their Chinese drywall for toxicity, CTEH's concluded that it was not toxic. However, the Consumer Product Safety Commission found it to be the top "problem drywall" for hydrogen sulfide contamination. Furthermore, CTEH was hired to perform air monitoring from a breach in a coal ash dam run by the Tennessee Valley authority and found no problematic levels. A subsequent EPA audit found that the work of CTEH did not align with agreed to quality assurance standards, making the results unreliable. These are just a few examples in a long pattern of tainted results from CTEH.

The only way to ensure that BP's oil spill cleanup workers and Gulf Coast communities are working and living in safe environments is to rectify this situation immediately.

Specifically, BP must take the following actions:

- 1) Remove CTEH from their role as primary monitor of health issues.
- 2) Enlist an independent, well-respected toxicology center to take over this role and ensure valid and reliable public health monitoring; and
- 3) Release the methodology used and all data compiled by CTEH and the new, independent toxicology center to the federal government for independent verification and analysis.

Enlisting CTEH—a company with a long history of questionable practices—is just another indication that BP is more concerned about their own bottom line than the public's health. Eleven men died when the Deepwater Horizon rig exploded, countless workers and volunteers have been treated for ailments resulting from their cleanup duties, and entire communities on the Gulf Coast continue to face the threat of health consequences from this disaster. BP must put the public's health first and stop cutting corners on health protections.

Sincerely,

LOIS CAPPS
Member of Congress

PETER WELCH
Member of Congress

cc: Admiral Thad Allen
National Incident Commander

Norfolk Southern toxicology test relies on a controversial consulting firm accused of mishandling environmental disaster data for corporate interests.

twitter.com/kanekoathegreat



#33 In 2005, a train operated by Norfolk Southern derailed in Graniteville, South Carolina, releasing chlorine and forcing 5,400 residents to evacuate their homes.

Some residents signed settlement agreements with the company, which waived their
<https://www.augustachronicle.com/story/news/2005/01/21/railroad-asks-residents-sign-settlement/14383540007/...>
<https://twitter.com/i/web/status/1626027818495938560>

#34 Katlyn Schwarzwaelder tells Glenn Beck the lab responsible for testing in the aftermath of the Norfolk Southern train crash is not truly independent, as it works for the railway company.

Additionally, over 340 residents have reportedly signed
<https://kanekoa.substack.com/p/east-palestine-toxicology-test-relies...>
<https://twitter.com/i/web/status/1626060113298755585> <https://t.co/DFvLJocKUI>

#35 Jesse Waters - 'Ohio town is abandoned'

"I've been sick with upper congestion. This morning I woke up with my eye swollen. My kids keep breaking out in rashes. I have experienced headaches and coughing. Sore throat and headaches."

"Aren't these the same people who told us... <https://twitter.com/i/web/status/1626068323766255616>
<https://t.co/3hJ0aWSHWM>

#36 Norfolk Southern has employed the for-profit company CTEH for toxicology monitoring following train derailments and chemical spills on at least four separate occasions:

- South Carolina 2005
- Kentucky 2012
- Georgia 2019
- Ohio 2023

"In 2010,
<https://www.wrdw.com/content/news/News-12-Investigates-Contractor-working-train-derailment-504072681.html...>
<https://twitter.com/i/web/status/1626415473410834433> <https://t.co/VmFuuVjQoL>

#37 Katlyn Schwarzwaelder of East Palestine displays the green water she retrieved from her property following the toxic chemical release.

Norfolk Southern claims their hired toxicologist, CTEH, "accidentally" asked her to sign a hold harmless agreement in exchange for testing. <https://t.co/NhewGVZLRE>