

Melrose Bombing
Range
2001

Subject: Re: [CPEO-MEF] Perchlorate

Date: Thu, 22 Feb 2001 09:52:41 -0700

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Thank you for putting together this list. However, I would like to point out one mistake. The perchlorate that was detected at Melrose Bombing Range in New Mexico was detected in an onsite facility production well and not in a public water supply well.

This well was sampled in March 1999 and perchlorate was detected at 25 ppb. A month later the same well was resampled and the perchlorate concentration was 11 ppb. This well serves about 40 persons and reportedly they don't drink the water because it is high in fluoride and has a bad taste.

Please change your list to clarify that the perchlorate was detected in an onsite facility production well.

Julie Wanslow

duorganizer@miltoxproj.org wrote:

"Something came across my desk that I think will be useful in the effort now underway to identify drinking water supplies vulnerable to contamination from military facilities. It is a list of locations where perchlorate has been found in soil and water, and not surprisingly, many of them are military and related facilities. Given that perchlorate is a serious health threat, especially to children, and is often released to the environment via open detonation and other ordnance practices, this is important information to share. EPA does not have a final toxicity assessment but recommends the continued use of a 1995 provisional referencedose range, which translates to 4 to 18 ppb in drinking water.

I've listed below the facilities that appear to be related to military activity or manufacturing of explosives where, through wells or soil sampling, perchlorate has been found in the environment. Since only a small percentage of perchlorate-using and/or -manufacturing facilities have been investigated, the list does not give a full picture of where the contamination is. There are many states where there has been no testing for perchlorate. Apparently, at nearly every facility where an effort has been made to look for perchlorate in soil and groundwater, it has been found. The list is accurate as of Nov. 2000."

Apache Nitrogen Products
Benson, AZ

(explosives manufacturing)
monitoring well, max. conc. ppb: 670

Aerodyne
Gila River Ind. Res.
Chandler, AZ
(propellant testing)
monitoring well, ppb: 18

Davis Monthan AFB
Tucson, AZ
(explosives/propellant disposal)
soil, max. conc. not confirmed

Unidynamics Phoenix Inc.
Phoenix Goodyear Airport
Goodyear, AZ
(explosives/ordnance manufacturing)
monitoring well, ppb: 80

Universal Propulsion
Phoenix, AZ
(rocket manufacturing)
soil

Unidynamics Phoenix. Inc.
White Tanks Disposal Area
Maricopa County, AZ
explosives/ordnance disposal
public water supply well, unconfirmed report: 4 ppb

Atlantic Research
East Camden, AR
rocket manufacturing
disposal - OB/OD
monitoring well 1,500 ppb
surface water 480,000 ppb
soil

Aerojet General
also affects Mather AFB
Rancho Cordova, CA
rocket manufacturing
public water supply well 260 ppb
monitoring well 640,000 ppb

Alpha Explosives
Lincoln, CA
explosives manufacturing
monitoring well 67,000 ppb

reported in surface water

Boeing/Rocketdyne, NASA at
Santa Susana Field Lab USDOE
Santa Susana, CA
rocket research, testing and production
monitoring well 750 ppb

Edwards AFB
Jet Propulsion Lab, North Base
Edwards, CA
rocket research
monitoring well 300 ppb

El Toro Marine Corps Air Station
Orange Co. CA
explosives disposal
monitoring well 380 ppb
Lawrence Livermore National Laboratory
Site 300
Tracy, CA
U.S. DOE explosives research
monitoring well 84 ppb
Lockheed Propulsion
Upper Santa Ana Valley
Redlands, CA
rocket manufacturing
public water supply well 87 ppb

Massachusetts Military Reservation
Cape Cod, MA
military training, weapons testing
munitions disposal at Camp Edwards
monitoring wells 300 ppb

Fort Wingate Depot Activity
Gallup, NM
explosives disposal
monitoring well 2,860 ppb

Holloman AFB
Alamogordo, NM
rocket testing
monitoring well 40 ppb
seasonal surface water 16,000 ppb
soil

Los Alamos National Lab
Los Alamos, NM
DOE chemicals lab

public water supply well 3 ppb
monitoring well 220 ppb
deep borehole water 1,662 ppb

Melrose Air Force Range
Melrose, NM
explosives
public water supply well 25 ppb

White Sands Missile Range
White Sands, NM
rocket testing
monitoring well 21,000 ppb
soil

Longhorn Army Ammunition Depot
Karnak, TX
propellant handling
monitoring well 91,000 ppb
reported in surface water
soil

PANTEX Plant (DOE)
Amarillo, TX
explosives
monitoring well 5 ppb

Red River Army Depot
Texarkana, TX
propellant handling
monitoring well 80 ppb

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