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EPA Superfunds: Veterans at Risk

May 16, 2009 posted by Robert O'Dowd

Veterans and dependents are at risk of exposure to contaminants from military bases listed on the EPA National Priority List (Superfund). Veteran Service Organizations (VSOs) have not notified their memberships, even though the information on health effects is on an EPA website.

(WASHINGTON, DC) – The Pentagon owns 130 Superfund sites, the most of any organization. Veterans and dependents were exposed to contaminants at these sites, including carcinogens like TCE, PCE, benzene and radiation.

The Defense Authorization Bill for 2008 required the Pentagon to notify Camp Lejeune veterans, but only after the death of children from TCE contaminated wells.

Except for Camp Lejeune, there's no legal requirement to notify veterans of the other 132 Superfund sites.

Camp Lejeune's Water Contamination

Former Senator Elizabeth Dole was instrumental in requiring the Navy and Marine Corps to notify residents who may have been exposed to contaminated water at the Camp Lejeune.

An estimated one million people at Camp Lejeune may have been exposed to contaminated drinking water.

"Senator Elizabeth Dole, along with four of her colleagues, today introduced legislation to help protect our most susceptible populations, such as pregnant women, infants and children, against the negative health impacts of drinking water contaminated with trichloroethylene (TCE), a chemical commonly used in degreasing agents, paint and spot removers and adhesives," according to a press release of August 1, 2007.

The amendment introduced by Dole and signed into law in the 2007 Defense Authorization Act required the Secretary of the Navy to notify those who may have been affected by the contaminated wells starting in 1958.

Benzene and Missing Documents

On May 13, 2009, the Camp Lejeune story took another twist when Senators Kay Hagan and Richard Burr of North Carolina requested a meeting with the Acting Secretary of the Navy the Assistant Secretary of the Navy for Installations and Environment.

According the Senators Hagan and Burr, "new information [that] has surfaced regarding human exposure to volatile organic compounds in Camp Lejeune's drinking water. This information calls into serious question the validity of the 1997 Public Health Assessment (PHA)...one of our constituents and his advocacy group found progress reports undertaken by a Department of the Navy (DON)-hired contractor in 1984 that showed high levels of benzene in an operating well...this finding was not previously made public not provided to ATSDR. We note that ATSDR omitted benzene from its 1997 PHA...this finding is one of the reasons ATSDR retracted the water contamination portion of its 1997 PHA...it has also come to our attention that the DON and the United States Marine Corps did not provide certain documents to ATSDR or the public until 2007."

Other Military Sites

It's unlikely that Congress will require DOD to take special steps to notify veterans and their dependents of the contaminants and health effects at other military sites on the EPA Superfund list.

Public service announcements of the contaminants and the health effects would be a relatively inexpensive way to communicate to veterans. However, don't bet on DOD undertaking this type of effort.

In fact, EPA has an internet website which shows all of the contaminants and heath effects for all military bases and sites on the EPA National Priority List (Superfund).

Veteran Service Organizations

Part of the mission of Veteran Service Organization (VSOs) is to keep their membership informed of issues important to them and their families. Nothing could be more important than you and your family's ill.

The American Legion, the VFW, the Marine Corps League and other VSOs have the resources to notify their memberships of the contaminants and health effects of military base on the EPA Superfund list. There are no indications of an organized attempt by VSOs to spread the word to their membership. The result is that veterans and their dependents are on their own.

Imagine for a moment that you are one of the thousands of veterans who served at bases now on the EPA Superfund list. Unlike someone injured on the job, there is no workman compensation for a veteran to cover his or her medical expenses or even the possibility of filing a tort lawsuit for injuries. The Supreme Court's FERES doctrine prevents any veteran from filing a tort suit, even when an injury occurs from government negligence.

VA disability compensation is available, if you "connect the dots" of illness to military service. Even when the "dots are connected," the veteran will be required to obtain a nexus statement from a physician linking the medical condition to military service. The veteran's physician may be hesitant to sign a nexus statement and unsure about the correct legal terminology to use.

Independent Medical Evaluations (IMEs) are available, but can be expensive. A telephone call to a California doctor showed that the cost of a VA nexus opinion started at \$3,000 and could go higher, depending upon the amount of documentation to review.

EPA's Military Superfund Sites

EPA has identified the Contaminants of Concern at each Superfund site. According to EPA, "The chemical substances (i.e., hazardous substances, pollutants, or contaminants) listed below were identified as contaminants of concern (COC) for the site. COCs are the chemical substances found at the site that the EPA has determined pose an unacceptable risk to human health or the environment. These are the substances that are addressed by cleanup actions at the site."

"Identifying COCs is a process where the EPA identifies people and ecological resources that could be exposed to contamination found at the site, determines the amount and type of contaminants present, and identifies the possible negative human health or ecological effects that could result from contact with the contaminants" according to the EPA website.

Military sites on the EPA Superfund list are shown below. Click on the base name to follow the link to EPA website. Once on the EPA site, the Contaminants of Concern (COCs) and their health effects can be found by clicking on "View Contaminants of Concern" at the bottom of the first page. The next screen will show each COC and a link to the Agency of Toxic Substance Disease Registry (ATSDR) where the health effects can be viewed.

US Air Force

Air Force Plant #4 (General Dynamics) Fort Worth TX

<u>Air Force Plant 85</u> Columbus OH

<u>Air Force Plant PJKS</u> Littleton CO

American Lake Gardens/McChord AFB Tacoma WA

Andersen Air Force Base Yigo GU

Andrews Air Force Base Andrews Air Force Base MD

Arnold Engineering Development Center (USAF) Tullahoma/Manchester TN Brandywine DRMO Bradyine MD

Castle Air Force Base (6 Areas) Merced CA

<u>Chanute Air Force Base</u> Rantoul IL

Dover Air Force Base Dover DE

Edwards Air Force Base Edwards AFB CA

<u>Eielson Air Force Base</u> Fairbanks AK

Ellsworth Air Force Base Ellsworth AFB SD

Elmendorf Air Force Base Anchorage AK

F.E. Warren Air Force Base Cheyenne WY

<u>Fairchild Air Force Base (4 Waste Areas)</u> Spokane WA

<u>George Air Force Base</u> Victorville CA

<u>Griffiss Air Force Base (11 Areas)</u> Rome NY Hanscom Field/Hanscom Air Force Base Bedford MA

Hill Air Force Base Hill AFB UT Homestead Air Force Base Homestead Air Force Base FL

Loring Air Force Base Limestone ME

Luke Air Force Base Glendale AZ

March Air Force Base Riverside CA

Mather Air Force Base (AC&W Disposal Site) Mather CA

<u>McChord Air Force Base (Wash Rack/Treatment Area)</u> Tacoma WA

McClellan Air Force Base (Ground Water Contamination) McClellan AFB CA

McGuire Air Force Base #1 Wrightstown NJ

<u>Mountain Home Air Force Base</u> Mountain Home ID

Norton Air Force Base (Lndfll #2) San Bernardino CA <u>Pease Air Force Base</u> Portsmouth/Newington NH

<u>Plattsburgh Air Force Base</u> Plattsburgh NY

<u>Rickenbacker Air National Guard (USAF)</u> Lockbourne OH

Robins Air Force Base (Landfill #4/Sludge Lagoon) Houston County GA

<u>Tinker Air Force Base (Soldier Creek/Building 3001)</u> Oklahoma City OK

Travis Air Force Base Travis AFB CA

<u>Twin Cities Air Force Reserve Base (Small Arms Range Landfill)</u> Minneapolis MN

<u>Tyndall Air Force Base</u> Panama City FL

<u>Williams Air Force Base</u> Chandler AZ

<u>Wright-Patterson Air Force Base</u> Dayton OH

<u>Wurtsmith Air Force Base</u> Oscoda MI

US Army

<u>Aberdeen Proving Ground (Edgewood Area)</u> Edgewood MD

Aberdeen Proving Ground (Michaelsville Landfill) Aberdeen MD

<u>Alabama Army Ammunition Plant</u> Childersburg AL

Anniston Army Depot (Southeast Industrial Area) Anniston AL

<u>Cornhusker Army Ammunition Plant</u> Hall County NE

Fort Devens Fort Devens MA

Fort Devens-Sudbury Training Annex Sudbury MA

Fort Dix (Landfill Site) Pemberton Township NJ

Fort Eustis (US Army) Newport News VA

Fort George G. Meade Odenton MD

<u>Fort Lewis (Landfill No. 5)</u> Tacoma WA

Fort Lewis Logistics Center Tillicum WA Fort Ord

Marina CA

Fort Richardson (USARMY)

Anchorage AK

Fort Riley

Junction City KS

Fort Wainwright

Fort Wainwright AK

Iowa Army Ammunition Plant Middletown IA

Joliet Army Ammunition Plant (Load-Assembly-Packing Area) Joliet IL

Joliet Army Ammunition Plant (Manufacturing Area) Joliet IL

Lake City Army Ammunition Plant (Northwest Lagoon) Independence MO

<u>Letterkenny Army Depot (PDO Area)</u> Franklin County PA

Letterkenny Army Depot (SE Area) Chambersburg PA

Lone Star Army Ammunition Plant Texarkana TX

Longhorn Army Ammunition Plant Karnack TX Louisiana Army Ammunition Plant Doyline LA

<u>Materials Technology Laboratory (USARMY)</u> Watertown MA

<u>Milan Army Ammunition Plant</u> Milan TN

Natick Laboratory Army Research, Development, and Engineering Center Natick MA

New Brighton/Arden Hills/TCAAP (USARMY) New Brighton MN

<u>Picatinny Arsenal (USARMY)</u> Rockaway Township NJ

<u>Riverbank Army Ammunition Plant</u> Riverbank CA

Rocky Mountain Arsenal (USARMY) Adams County CO

Sacramento Army Depot Sacramento CA

<u>Savanna Army Depot Activity</u> Savanna IL

Schofield Barracks (USARMY) Schofield HI

<u>Seneca Army Depot</u> Romulus NY <u>Sharpe Army Depot</u> Lathrop CA

Sunflower Army Ammunition Plant Desoto KS

<u>Tobyhanna Army Depot</u> Tobyhanna PA

<u>Tooele Army Depot (North Area)</u> Tooele UT

<u>Tracy Defense Depot (USARMY)</u> Tracy CA

<u>Umatilla Army Depot (Lagoons)</u> Hermiston OR

US Army/NASA Redstone Arsenal Huntsville AL

<u>Weldon Spring Former Army Ordnance Works</u> St. Charles County MO

<u>West Virginia Ordnance (USARMY)</u> Point Pleasant WV

US Coast Guard

<u>Curtis Bay Coast Guard Yard</u> Baltimore MD

US Navy

Adak Naval Air Station Adak AK

<u>Alameda Naval Air Station</u> Alameda CA

<u>Allegany Ballistics Laboratory (USNAVY)</u> Mineral County WV

Bangor Naval Submarine Base Silverdale WA

Bangor Ordnance Disposal (USNAVY) Bremerton WA

Barstow Marine Corps Logistics Base Barstow CA

Brunswick Naval Air Station Brunswick ME

<u>Camp Lejeune Military Res. (USNAVY)</u> Onslow County NC

<u>Camp Pendleton Marine Corps Base</u> Camp Pendleton CA

<u>Cherry Point Marine Corps Air Station</u> Havelock NC

<u>Concord Naval Weapons Station</u> Concord CA

Davisville Naval Construction Battalion Center North Kingstown RI <u>El Toro Marine Corps Air Station</u> El Toro CA

Indian Head Naval Surface Warfare Center Indian Head MD

Jackson Park Housing Complex (USNAVY) Kitsap County WA

Jacksonville Naval Air Station Jacksonville FL

Marine Corps Combat Development Command Quantico VA

<u>Marine Corps Logistics Base</u> Albany GA

Moffett Naval Air Station Moffett Field CA

Naval Air Development Center (8 Waste Areas) Warminster Township PA

Naval Air Engineering Center Lakehurst NJ

Naval Air Station, Whidbey Island (Ault Field) Whidbey Island WA

Naval Air Station, Whidbey Island (Seaplane Base) Whidbey Island WA

Naval Amphibious Base Little Creek Virginia Beach VA Naval Computer and Telecommunications Area Master Station Eastern Pacific Wahiawa HI

<u>Naval Industrial Reserve Ordnance Plant</u> Fridley MN

<u>Naval Security Group Activity</u> Sabana Seca PR

<u>Naval Surface Warfare Center – Dahlgren</u> Dahlgren VA

Naval Undersea Warfare Engineering Station (4 Waste Areas) Keyport WA

<u>Naval Weapons Industrial Reserve Plant</u> Bedford MA

<u>Naval Weapons Station – Yorktown</u> Yorktown VA

Naval Weapons Station Earle (Site A) Colts Neck NJ

<u>Navy Ships Parts Control Center</u> Mechanicsburg PA

<u>New London Submarine Base</u> New London CT

Newport Naval Education & Training Center Newport RI

<u>Norfolk Naval Base (Sewells Point Naval Complex)</u> Norfolk VA Norfolk Naval Shipyard Portsmouth VA

<u>NWS Yorktown – Cheatham Annex</u> Yorktown VA

Parris Island Marine Corps Recruit Depot Parris Island SC

Patuxent River Naval Air Station Patuxent River MD

<u>Pearl Harbor Naval Complex</u> Pearl Harbor HI

<u>Pensacola Naval Air Station</u> Pensacola FL

Port Hadlock Detachment (USNAVY) Indian Island WA

<u>Portsmouth Naval Shipyard</u> Kittery ME

Puget Sound Naval Shipyard Complex Bremerton WA

South Weymouth Naval Air Station Weymouth MA

<u>St. Juliens Creek Annex (U.S. Navy)</u> Chesapeake VA

<u>Treasure Island Naval Station-Hunters Point Annex</u> San Francisco CA USN Air Station Cecil Field Jacksonville FL

Washington Navy Yard Washington DC

Whiting Field Naval Air Station Milton FL

Willow Grove Naval Air and Air Reserve Station Horsham PA

<u>Yuma Marine Corps Air Station</u> Yuma AZ