
From: Shanen Givone <sgivone@yahoo.com>
Sent: Friday, September 30, 2016 4:34 PM
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Subject: Tri-State Mining District (TSMD)
Attachments: Tiffany Givone Akins.JPG

Dear Mr. Beyer, USGS, et al., (Health Related info for the TSMD)

Thank you for your article on the ill health of the birds and other habitat found in the TSMD; MO, KS, OK. https://www.fws.gov/mountain-prairie/NRDA/CherCO_KS/assessment/finalmanaect.pdf
I found several flaws in your research, concerning the poor health found in these (and other) life-forms...including HUMANS.

- 1) You neglected to correlate the location of Empire District Electric Company in Baxter Springs, as yet another source of heavy metal contamination, emitted from the smoke stacks, coal ash waste and mining of radioactive coal in the region. They also had former manufactured gas plants (FMGP's) that leaked, according to archived articles, from the TSMD to KC and also to St. Louis, MO. Empire was also the foremost producer of Crude Oil "back in the day".
- 2) You neglected to test for Lead 206 from Uranium, Lead 207 from Actinium and Lead 208 from Thorium, as our radiogenic lead aka "Joplin Lead" aka "J-Lead" aka "Mississippi Valley Type Lead" is comprised of each of these, and Cherokee County, KS had at least one Uranium Lead mine, as well.
- 3) You neglected to search the Short Creek area, which was a former "Asset of War"; assets including Empire District, Eagle Picher and Kenneth A. Spencers' Pittsburg & Midway Coal Mining Company's "Jayhawk Ordnance Works" aka "Spencer Chemical" aka "Military Chemical Co." in Cherokee County, KS and or bordering Jasper County, Missouri.
- 4) Also of note is the former Atomic Energy Commissions' engineers (Fenix and Scisson) who owned the Missouri Steel Castings and "Trinity" mine and other mines, locally found in Oronogo and Duenweg. (Fenix and Scisson were known for their debauchery in the "Hanford Washington Site" and another in Alaska, yet here in the TSMD, 'crickets'.) The radiation release is noted in the TRI report from Missouri Steel Castings. Fenix and Scisson stored hazardous waste under ground, detonated nuclear bombs underground and (at least Fenix) owned the "Fenix Mining and Smelting Company".

The birds, ostriches and foals, etc, may have been more sickened by various forms of radiation than by 'lead'. They may have been unable to recover from lead exposure because it was radioactive lead, having mutated genes and weakening the immune system, disrupting biological processes (like

digestion, ATP production, etc) and thus it only 'looks' like lead and zinc harmed them...while radiation is the foremost culprit.

Regardless, one must specify what TYPE of lead you are working with, to be consistent in comparisons to other 'lead contaminated sites', or your 'research' is for naught.

People in the TSMD have a shorter median age of life (Joplin is 35.5 rather than the national average of 45.5 years old, however, Pittsburg, KS which was not included in the TSMD and should be, has a median age of only 25 years old.) Pittsburg & Midway Coal Mining Company made swiss cheese of the area and was never held accountable, nor was Fenix and Scisson or Empire District. Until "Scientists" report the FACTS and ALL PERTINENT INFORMATION, our children will continue to have 2.5 times HIGHER birth defects in Joplin, than the national average. (300 birth defects per 10,000 in America, 755 birth defects per 10,000 birth defects in Joplin.)

Our children's IQ will also be much less, as seen just yesterday in the Joplin Globe Article about the "MAPS Test". We failed 3 of the 4 criteria; great in sociology, crap in English, Math and Science.

We need something like the "Radiation Exposure Compensation Act" (RECA) for our area, just like Colorado and New Mexico received for radiation exposed citizens. Perhaps CERCLA can fund the **Ionizing Radiation-Affected Tri-State Entities ("IRATE")**, especially since the Oronogo-Duenweg/Jasper County, MO site and the Cherokee County, KS site are both listed as a radioactive site by the International Atomic Energy Agency (IAEA). http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1432_web.pdf

Please forward this email to anyone forgotten in the MDNR, DNR, KGS, NRC, EPA, Dept of Interior, Bureau of Mines, Dept of Energy, Department of War and any other "official agencies" because I won't stop bothering everyone UNTIL WE GET MEDICAL MONITORING, MEDICAL COVERAGE and COMPENSATION for our exposures, provable by DNA; genetic mutations. They military/government paid subsidies and or performed 'experiments' on this 'special' lead and zinc and took over the coal mines, at one time. Then the military used "TI's" Technical Impracticability Waivers" to NOT clean up the TOXIC MESS they left behind.

They extended the pipelines across Missouri, KS and OK, winds blew the smelter dusts into our homes, and still do! Our water reports still show gross alpha radiation and radium 226/228 above "health levels" (if there is such a thing) and our children are paying the ultimate price.

These exposures must stop!

SCIENTISTS MUST SPEAK UP FOR US, MR. BEYER. We MUST protect the next generation, so they are not just 'one more statistic' for you to write about. My daughter, Tiffany, is such a 'statistic'. (See attachment.) **Tiffany Givone Akins, Nov. 17, 1985-April 7, 1987**. Her death could have been prevented...Only YOU; scientists, geologists, health field experts, politicians... can protect the next 755 babies born with birth defects and God knows how many born with a low IQ.

BIRTH DEFECTS:

National Average: 300 birth defects per 10,000 births

Missouri: 591.1 birth defects per 10,000 births

Jasper County: 673.5 birth defects per 10,000 births

***Newton County: 722.3 birth defects per 10,000 births (from 2010 MO Health Department stats)**

***Joplin (which is in Jasper County, but Joplin is also in Newton County) 755.8 birth defects per 10,000 births.**

[http://assets.usw.org/News/misc_pdf/ep-joplin-health-final-\(5\).pdf](http://assets.usw.org/News/misc_pdf/ep-joplin-health-final-(5).pdf)

Best guess? The flood of May 19, 1943 flooded Empire District and all of the mines. We were not exposed before 1939 to the radiation (as seen in DNA tests.) We were exposed by 1952. That flood works in nicely with this time line of exposure. **Are any of you, in this attached email, REALLY CONCERNED FOR OUR HEALTH AND WELFARE? If so, please do SOMETHING.**

Shanen Givone
Joplin, MO
Citizen Advocate

More sources:

CONTRIBUTIONS TO THE GEOLOGY OF URANIUM

URANIUM IN SOME ROCKS OF PENNSYLVANIAN AGE IN OKLAHOMA, KANSAS, AND MISSOURI

By HAROLD J. HYDEN and WALTER DANILCHIK

INTRODUCTION

Radioactive "black" shale beds have been the subject of recent investigations by the U.S. Geological Survey and others on behalf of the Atomic Energy Commission. **These investigations began during World War**

ii. <https://pubs.usgs.gov/bul/1147b/report.pdf>

More sources or information is available upon request. I have pages and pages of them.
Help us.