**From:** Covington, Jeryl
**To:** Peterson, Samuel
**Subject:** RE: Heavy Metals Released into Air at Belews, Allen, Buck, Cliffside, and Marshall
**Date:** Wednesday, February 17, 2016 12:20:00 PM

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Thank you for sharing this information with me.
What has been presented from the complainant is the Toxic Release Inventory (TRI) information for some of the Duke Energy facilities.
The TRI forms and reporting activities were created in response to the Union Carbide accident (India 1980s) and were originally used for emergency preparedness for communities and the development of Local Emergency Planning Communities (LEPC). These regulations are governed by (Emergency Planning and Community Right to Know Act (EPCRA) and allowed public awareness of chemical usage in their communities.
The TRI tracks the management of materials utilized by industry/commercial business/governmental entities/other like users that could pose harm or impact to human health or the environment. The regulated entities are required to report their annual releases/management of these materials on the TRI form. Please note that this listing of information includes materials that are disposed, recycled, treated, or recovered. A released chemical by definition means emissions in to the air, water, or land. Also, the TRI does not track all chemical compounds; only those materials that meet certain chemical compositions that can cause harm to human health (acute and chronic) and the environment.
(b) (5) Deliberative [redacted]

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**From:** Peterson, Samuel
**Sent:** Wednesday, February 17, 2016 10:58 AM
**To:** Covington, Jeryl
**Subject:** FW: Heavy Metals Released into Air at Belews, Allen, Buck, Cliffside, and Marshall

Jeryl,
FYI…
Regards,

Samuel Peterson,
Equal Opportunity Investigator
U.S. Environmental Protection Agency
Office of Civil Rights - External Compliance
1200 Pennsylvania Avenue, N.W.
Mail Code 1201A
Washington, DC 20460
(202) 564-5393
peterson.samuel@epa.gov

**From:** (b) (6) - Privacy, (b) (7)(C) - Enforcement Privacy
**Sent:** Wednesday, February 17, 2016 10:28 AM
**To:** Peterson, Samuel <Peterson.Samuel@epa.gov>
**Subject:** Fwd: Heavy Metals Released into Air at Belews, Allen, Buck, Cliffside, and Marshall

Here is that article I just called you about. I hope it will help. My daughter's mental and physical condition is getting worse all the time. AND IT IS TOTALLY AND COMPLETELY BREAKING MY HEART. I WAS ALREADY (b) (6) - Privacy WHEN I FOUND MYSELF PREGNANT WITH HER AT 46.
SHE IS NOW 22 and I AM 68 and a half yrs old struggling to keep a roof over our heads, much less food and medicines, medical treatments, etc.
THANKING IN YOU FOR ANYTHING YOU CAN DO IN ADVANCE.
(b) (6) - Privacy, (b) (7)(C) - Enforce

-----Original Message-----
From: 'Amy Brown' via ACT Against Coal Ash <ACTagainstcoalash@googlegroups.com>
To: Sarah <sarah@appvoices.org>
Cc: 'Amy <ACTagainstcoalash@googlegroups.com>
Sent: Tue, Feb 16, 2016 1:56 pm
Subject: Re: Heavy Metals Released into Air at Belews, Allen, Buck, Cliffside, and Marshall

Thank you Sarah! I like to refer to this as the Duke belt rather than the Vanadium belt.

Amy Brown

Sent from my iPhone

On Feb 16, 2016, at 3:27 PM, Sarah Kellogg <sarah@appvoices.org> wrote:

Hi Everyone,
I wanted to share this information that we pulled from the EPA's toxic release inventory. The data only goes back to 2004, but already you can see how these numbers are really shocking... definitely something to pull from for hearing comments.
And for everyone who noticed that the **"vanadium belt"** in North Carolina lines up perfectly with Duke's power plants, here's a potential reason why: just from 2004-2015 Duke released hundreds of thousands of pounds of vanadium (in some areas as much as 2 million pounds) at all of their active power plants.

**Pollutants Released at Belews Creek Steam Station**

- In the past decade these pollutants were released into the environment...
  - over 238 thousand pounds of arsenic
    - more than one ton each month.
  - over 844 thousand pounds of chromium
    - about 4 tons every month.
  - over 292 thousand pounds of lead
    - more than one ton every month.
  - over 867 thousand pounds of manganese
    - more than 4 tons each month.
  - over 1 million pounds of vanadium
    - more than 6 tons every month.
- That is more than a school bus of just these five pollutants being dropped into this community each month.

**Pollutants Released at Allen Steam Plant**

- From 2006 to 2011 over 139 thousand pounds of arsenic was released into the environment
- In the past decade these pollutants were released into the environment...
  - over 482 thousand pounds of chromium
    - more than 2 tons every month.
  - over 192 thousand pounds of lead
    - almost a ton every month.
  - over 490 thousand pounds of manganese
    - more than 2 tons every month.
  - over 762 thousand pounds of vanadium

almost 4 tons every month.

- That is more than an elephant's weight of these pollutants released into the environment every single month.
- More than seven school buses every year.

**Pollutants released at Buck Steam Station**

- From 2004 to 2010 over 169 thousand pounds of chromium was released into the environment
    - over a ton each month
- In the past decade over 75 thousand pounds of lead was released into the environment.
- From 2004 to 2008 over 193 thousand pounds of manganese was released
    - almost 2 tons every month
- From 2004 to 2011 over 282 thousand pounds of vanadium was released
    - almost 2 tons every month

**Pollutants released at Rogers Energy Complex/ Cliffside Steam Station**

- In the past decade these pollutants were released into the environment...
    - over 120 thousand pounds of arsenic
        - almost one ton each month
    - over 423 thousand pounds of chromium
        - almost 2 tons each month
    - over 177 thousand pounds of lead
        - almost one ton each month
    - over 501 thousand pounds of manganese
        - over 2 tons each month
    - over 726 thousand pounds of vanadium
        - over 3 tons each month
- That is more than an elephant's weight of just these five pollutants polluting the environment every single month.
- More than seven school buses every year.

**Pollutants Released at Marshall Steam Station**

- In the past decade these pollutants were released into the environment…
    - over 607 thousand pounds of arsenic
        - about 2 ½ tons each month

    - over 1 ½ million pounds of chromium
        - over 6 tons each month
    - over 683 thousand pounds of lead
        - almost 3 tons each month
    - over 1 ½ million pounds of manganese
        - almost 7 tons each month
    - over 2 million pounds of vanadium
        - more than 10 tons each month
- That is about two school buses of these pollutants being dropped into this communities environment every month.
- About 24 school buses every year.

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Sarah Kellogg
*NC Outreach Coordinator*
Appalachian Voices
(828) 262-1500
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