

Joint Event International Conference on

## Toxicology, Clinical Toxicology & Pharmacology

&

6<sup>th</sup> International Conference on

## **Recycling & Waste Management**

December 03-04, 2018 | Dubai, UAE

## The Disposal of radioactive wastes in the Metropolitan St. Louis Area: The development of contamination pathways and the impact on the Environmental and Health Legacy

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Dating back to the beginning of the "Atomic Age," 2.5 million Cubic yards of radioactive wastes have been dispersed throughout the St. Louis and Metro-East area located in the Midwest United States. This waste resulted from atomic weapons work carried out by Mallinckrodt Chemical Works for the U.S. government under secret contract. Between 1942 and 1966, over 300,000 tons of uranium had been processed in the downtown St. Louis and Weldon Spring plants located in Missouri, US. Until the release of DeGarmo's seminal research on this topic, only bits and pieces regarding the atomic legacy of St. Louis could be found on a few internet sites and historical accounts of the Manhattan Project. Even more important was the absence of a comprehensive analyses of the health and environmental legacies left behind as a result of atomic work in the region. The findings detailed in this book have been used by experts across the United States in their work regarding the environmental and health legacies of nuclear weapons development. This presentation will not only discuss tools that can be used for pathway development regarding radiological and chemical contamination, it will also provide insight on how to connect those pathways to associated diseases.

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