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Risk Assessment of Mohawk Tannery

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References



Mohawk Tannery Superfund Site

Sarah Roquemore

Background

For 60 years Mohawk Tannery dumped waste in Nashua river and the surrounding area (30 acres)





Aim

a perspective on the risk management of my site

Methods

Explored:

- Which toxins have been left behind?
- What do these toxins do to the body?
- Who is being affected?
- What is being done to solve this problem?

Results

- There is arsenic and manganese left behind
- Arsenic skin, lung irritation, cancer after chronic exposure
- Arsenic is connected to bladder cancer
- Arsenic builds up within the body
- Manganese causes neurological disease & decreases lung function
- About 10x the reference dose for arsenic
- About 1000x the reference dose for manganese
- Population of about 90k
- Affecting workers in the steel & lumber industries

Conclusion

 Multiple cleanup options proposed to either clean or capture toxic waste