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## Technical Assistance to Brownfield Communities

### Brownfield Contaminants & Human Health

#### Online Resources and Further Reading

##### **About Brownfields:**

- Overview of EPA's Brownfields Program (EPA)  
<https://www.epa.gov/brownfields/about>
- Environmental Contaminants Often Found at Brownfield Sites (EPA)  
<https://www.epa.gov/system/files/documents/2023-11/env-contaminants-found-often-at-brownfields-2023.pdf>
- Past Property Uses May Result in a Brownfield Site (EPA)  
[https://www.epa.gov/sites/default/files/2019-10/documents/past\\_property\\_uses\\_may\\_result\\_in\\_a\\_brownfield\\_site.pdf](https://www.epa.gov/sites/default/files/2019-10/documents/past_property_uses_may_result_in_a_brownfield_site.pdf)

##### **About Contamination:**

- Regulatory context of CERCLA aka the "Superfund Law" (EPA)  
<https://www.epa.gov/superfund/section-1-regulatory-context-hrs#1.4>
- Learn About Lead (EPA)  
<https://www.epa.gov/lead/learn-about-lead>
- Childhood Lead Poisoning Prevention Program (CDC)  
<https://www.cdc.gov/nceh/lead/default.htm>
- Learn About Asbestos (EPA)  
<https://www.epa.gov/asbestos/learn-about-asbestos>
- Asbestos Exposure and Cancer Risk (NIH)  
<https://www.cancer.gov/about-cancer/causes-prevention/risk/substances/asbestos/asbestos-fact-sheet>
- Petroleum Brownfields & EPA's UST Program (EPA)  
<https://www.epa.gov/ust/petroleum-brownfields>
- Technical Overview of Volatile Organic Compounds (EPA)  
<https://www.epa.gov/indoor-air-quality-iaq/technical-overview-volatile-organic-compounds>
- VOCs – Vapors in the Air, Dissolved in Groundwater (USGS)  
<https://www.usgs.gov/mission-areas/water-resources/science/volatile-organic-compounds-vocs#overview>

##### **About Human Health & Environmental Exposures:**

- Tips for Conducting the Exposure Pathway Evaluation (ATSDR)  
[https://www.atsdr.cdc.gov/pha-guidance/conducting\\_scientific\\_evaluations/exposure\\_pathways/tips\\_for\\_conducting\\_the\\_exposure\\_pathway\\_evaluation.html](https://www.atsdr.cdc.gov/pha-guidance/conducting_scientific_evaluations/exposure_pathways/tips_for_conducting_the_exposure_pathway_evaluation.html)
- Exposure Assessment Tools by Routes (EPA)  
<https://www.epa.gov/expobox/exposure-assessment-tools-routes>
- Sensitive Populations and Chemical Exposure (ATSDR)  
<https://www.atsdr.cdc.gov/emes/public/docs/Sensitive%20Populations%20FS.pdf>



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- Addressing the Access and Functional Needs of At-Risk Individuals (ASPR)  
<https://aspr.hhs.gov/at-risk/Pages/default.aspx>

### Community Screening Tools and Databases:

- EPA's EJScreen  
<https://ejscreen.epa.gov/mapper/>
- CEQ's Climate and Economic Justice Screening Tools (CEJST)  
<https://screeningtool.geoplatform.gov/>
- CDC's EPHT Network  
<https://www.cdc.gov/nceh/tracking/>
- EPA's Envirofacts  
<https://enviro.epa.gov/>
- Census Bureau's American Community Survey  
<https://www.census.gov/programs-surveys/acs>

### Selected Academic Publications:

- "Spatial relationships between lead sources and children's blood lead levels in the urban center of Indianapolis (USA)". Morrison *et al.* Environmental Geochemistry and Health (2013). 35:171-183.  
<https://www.mapmyenvironment.com/wp-content/uploads/2019/10/Morrison-et-al-2012-EGAH.pdf>
- "Oil, Crude". I. Marigómez. Encyclopedia of Toxicology (Third Edition) (2014). ISBN 9780123864550. 663-669.  
<https://www.sciencedirect.com/science/article/abs/pii/B9780123864543005248>
- "Health Risk Assessment of Groundwater Contaminated by Oil Pollutants Based on Numerical Modeling". Bai *et al.* International Journal of Environmental Research and Public Health (2019). 16(18):3245.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6765961/#>
- "A Review of Volatile Organic Compound Contamination in Post-Industrial Urban Centers: Reproductive Health Implications Using a Detroit Lens". Miller *et al.* International Journal of Environmental Research and Public Health (2020). 17(23):8755.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7728359/>