Guide to Brownfield Contaminants

The following table identifies activities that may have caused contamination at brownfields sites. The table summarizes contaminants that are related to such activities and identifies sources for the contaminants; however, it is not an exhaustive list of contaminants that can be found at a brownfield site. Identifying contaminants that may be present should be determined on a site-by-site basis. Such determination should be conducted thoroughly and carefully. Information for this table was compiled from several sources, including various EPA *Guides to Pollution Prevention* for selected industries.

Former use of land: Contaminants that may be present:

| Contaminants that may be present. |
|---|
| VOCs, arsenic, copper, carbon |
| tetrachloride, ethylene dibromide and |
| methylene chloride, pesticides, insecticides, |
| herbicides, grain fumigants |
| Some metals and metal dust, various |
| organic compounds, solvents, paint and |
| paint sludges, scrap metal, waste oils |
| Lead, cadmium, acids, nickel, copper, zinc, |
| arsenic, chromium |
| PAHs, sulfur compounds, cyanide, |
| aluminum, iron, lead, nickel, chromium |
| Heavy Metals, Dusts, Acids |
| Cadmium, Chromium, Cyanide, |
| Copper, Nickel |
| Various solvents, VOCs such as chloroform |
| and tetrachloroethane, spot removers, |
| fluorocarbon 113, perchloroethylene |
| Gasoline, Diesel Fuel, Metals, Petroleum |
| Hydrocarbons, Underground Storage Tanks |
| Formaldehyde, radionuclides, photographic |
| chemicals, solvents, mercury, ethylene |
| oxide, chemotherapy chemicals |
| Arsenic, Lead |
| Metals, Household Products, Ammonia, |
| Methane, Pesticides |
| Toluene, Benzene |
| Metals, Dioxin, Degreasing Agents, Waste |
| Oils |
| Solvents, Paints, Cyanide, Acids, |
| Heavy Metals |
| Petroleum Hydrocarbons, Benzene, |
| Toluene, Xylene, Ethylenebenzene, Fuels, |
| Oil, Grease |
| Silver, Solvents, Waste Oils, Acids, |
| Inks and Dyes, Photographic Chemicals |
| Petroleum Hydrocarbons, Benzene, |
| |
| Toluene, PCBs, Ethylenebenzene, Xylene, |
| |

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| Research Institution | Organic Solvents, Paint, Inorganic |
|-----------------------------------|---|
| | Solvents, Metals, Metal Dust, Heavy |
| | Metals, Pesticides, Photographic Waste, |
| | Waste Oil |
| Scrap metal operations | Various metals (such as lead and nickel), |
| | PCBs,dioxin, transformers |
| Wood Preserving | Creosote, PCP, Arsenic, Zinc, Chromium, |
| _ | Copper, PCBs, Beryllium, Dioxin, Wood |
| | Preservatives |
| Wood pulp and paper manufacturing | Chlorinated organic compounds, dioxin, |
| | furans, chloroform, resin acids |
| Steel Mill | Metals, Inorganics, Acids, Toxic |
| | Compounds, Semi-volatile Organics |
| | including those in Oil and Grease, Volatile |
| | Organic Compounds |
| Steel Mill Deposits | Slag, Heavy Metals |

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