

Common Sources of Environmental Concerns

The list of potential environmental concerns in the workplace is extensive. The following list is intended to provide a quick reference of common environmental hazards and some of the locations/sources where they occur.

Please be aware that the following list is not all inclusive. Refer to your company policies, procedures, and environmental professionals for more detailed information.

<u>Concern</u>	<u>Regulation</u>	<u>Source</u>
Air Quality	CAA	Hazardous air pollutants Fugitive emissions Offshore emissions within 25 miles of land Methane emissions (Star Program)
Air Conditioning	RCRA	Refrigerant Chromate Additives (fungicides, anti-foaming agents, etc..)
Asbestos	NESHAP, APHERA OSHA	Transite Insulation Pipe Pipe wrap and coatings Pipe liners Valves Flange gaskets Brake shoes Ceiling tile Floor tile Meter shop (gasket removal) Residential meters
Batteries	RCRA	Lead acid (car truck) Alkaline (flashlights, calculators, numerous other sources) Lithium (AMR, computers, etc..) Mercury oxide (smoke detectors, cameras) Silver oxide (same as mercury oxide)
Batteries (cont..)		Nickel cadmium (Nicad, rechargeables) NiMH
Bentonite	RCRA, OSHA	Drilling mud
Cadmium	RCRA, OSHA	Meter repair
Compressed Gas	SARA, OSHA	Welding (oxy & acetylene)
Condensate (waste)	RCRA	Tanks Pipe pigging
Corrosion Inhibitors	RCRA	Pipe protection
Diesel	UST, AST	Tanks
Glycols	RCRA, CWA	Antifreeze Dehydration plants Glycol recycling Radiators Vaporizers

<u>Concern</u>	<u>Regulation</u>	<u>Source</u>
Filters	RCRA	Gas inline filters (dry) for dehydration units Charcoal from amine plants Triethylene glycol filters from dehydration units Oil filters Amine plant cartridge filters
Gasoline	UST, AST	Tanks
Hydrogen Sulfide	OSHA	Iron sponge Line purging Chip treaters Asphalt
Lead	RCRA, OSHA	Paint/primer Pipe welds Sleeves in axial flow valves Lead chromate impregnated plastic pipe (yellow color) Lead acetate tape Cast iron bell joints Lead chromate paint Residential meters Water coolers (old drinking water fountains)
Methanol	RCRA	Hydrate control
Mercaptan	SARA	Gas treatment
Mercury	RCRA, OSHA	Fluorescent light bulbs Incandescent light bulbs Meters (transmission) Meters (residential: may have condensate, asbestos & mercury) Gravimeters Engine manometer Thermometers Remediation of meter repair shops Remediation of soils Electrical relays Gauges Mercury switch AMRs Batteries
Miscellaneous	RCRA, CWA, OSHA	Solvents, thinners, degreasers Brushes Common waste Pipeline additives (biocides, methanol, corrosion inhibitors, etc..)
NORM	RCRA	Brine Pipe scale Valves Filters Pressure vessels Tanks
Oil	RCRA, CWA	Filters Equipment leaks Underground tanks

<u>Concern</u>	<u>Regulation</u>	<u>Source</u>
Oil (cont..)		Rags/absorbents Separators Tanks
Pesticides	FIFRA	Herbicides-vegetation control (right of-way, station) Insecticides Fungicides Rodenticides
Pigging Waste	RCRA	Piping flushing (methanol, scale, salt, PCBs, heavy metals)
PCB	RCRA, OSHA	Ballasts/transformers Drip water out of mains Starter air systems for compressors Filter coalescing separator Compressor engine oil Pipe scale
Spills	CWA, OPA	Hazardous material spill Offshore material spill Product spill
Wetlands	CWA	Spills Herbicide applications Pipeline construction
Water	CWA	Storm water Hydrostatic tests Brine Equipment and system wash Acid wash Spills Drip water

Please note this manual was not designed to provide compliance and/or legal advice on specific situations, and many companies have specific policies and procedures that should be followed. Furthermore, environmental regulations are constantly changing and the information provided in this manual may not be accurate.

If you have specific questions related to an environmental issue, please contact your company environmental staff and/or an environmental consultant.