

Yale EHS is here to help project managers/designers build safe facilities. Please feel free to contact us with any questions.

## PROJECT MANAGER/DESIGNER REMINDERS

### EHS DESIGN ISSUES

- Please contact Yale EHS as soon as possible in design phase if your project involves any of the following:  
Laboratories (research or teaching) • Clinical areas • Spray booths • Animal research facilities  
Emergency generators • Parts washers • Printing/photo developing operations • Creates a discharge of water  
Fuel and chemical storage tanks • Equipment containing oil (such as hydraulic elevator or large pump)  
Refrigeration system/chillers • Boilers, turbines and other fuel-burning equipment • Work in wetlands  
Coastal Zone work • Batteries containing sulfuric acid • Food prep/dining halls • Active fall protection  
Confined spaces • Cranes/hoists • Powered industrial trucks • Shops and tools in Risk Group 3 or greater  
Excavation greater than one acre or requiring soil disposal

### ENVIRONMENTAL PERMITS/REGISTRATIONS

- Contact EHS for Water Discharge Permit and/or Water Diversion Permit registrations and requirements, if necessary. *Lead time: 2-8 weeks*
- Contact EHS for Air Discharge Permit registrations and requirements, if applicable to your project. *Lead time: 2-12 months*
- Contact EHS for Soil, Site Plan and/or Sediment Management Permit registrations and requirements, if necessary.
- If your project includes the addition or removal of storage tanks, contact EHS for tank registrations and Spill Prevention, Control and Countermeasures (SPCC) Plan requirements.

### PROPERTY ACQUISITION OR MAJOR CHANGE IN USE

- Ensure that deed and title searches have been performed.
- Retain a pre-qualified environmental consultant to perform Phase I environmental site assessment (ESA). Review findings with the Project Team, General Counsel and EHS to identify any areas of concern. Identify whether the Connecticut Transfer Act requirements apply to this property/project. Remediation under Transfer Act may require the use of a Connecticut Licensed Environmental Professional (LEP). *Lead time: 2-4 weeks*
- Determine other environmental permits/registrations required to be obtained or transferred (air, water, USTs, etc.)

### GENERAL HEALTH AND SAFETY

- Review the requirements outlined in the [Yale Contractor Health and Safety Guidelines](#) and provide it to contractors. Also, refer to the [Guidelines for Safe Laboratory Design](#) for laboratories (research or teaching)
- Design and select equipment for all personnel (including maintenance) to reduce high-risk lifting tasks, awkward posture, extended reaches, and handling distances.
- Provide passive fall protection (i.e. rails) for all four feet and greater fall hazards.
- Eliminate confined spaces in design.
- Design for adequate clearances and accessibility for maintenance personnel.
- Design for accessibility to energy isolating devices and equipment.

### ASBESTOS

- Regardless of the age of the building, historical records and past renovations, an asbestos inspection is required. Contact EHS for assessment. *Lead time: 1-4 weeks*
- Review inspection results, if applicable, for potential disturbance/impact.
- Develop project specifications for abatement with a Connecticut licensed asbestos project designer if asbestos-containing material (ACM) will be disturbed by your project. *Lead time: 2-6 weeks*

**LEAD AND LEAD-BASED PAINT**

- Depending on the age of the building, historical records and past renovations, a lead inspection may be required. Contact EHS for assessment. *Lead time: 1-4 weeks*
- Review inspection results, if applicable, for potential disturbance/impact.
- Develop project specifications, including waste management, if lead or lead-based paint will be disturbed by your project. Submit a completed [Construction Waste Supply/Removal Request Form](#) for lead-based paint waste collection containers and disposal services. *Lead time: 2-6 weeks*

**FUEL AND CHEMICAL STORAGE TANKS****New Installations**

- Notify EHS of any fuel and chemical storage tank installation. EHS will coordinate with a Connecticut licensed Professional Engineer (PE) to certify the installation meets Yale's Spill Prevention, Control and Countermeasures requirements.

**Removal of Old USTs**

- Contact EHS to identify the potential presence of any on-site storage tanks. Existing, state-registered USTs should be identified during the Phase I environmental site assessment. Excavation contractors must immediately stop work and notify the Yale Project Managers and EHS if any unanticipated piping, tanks or other vessels, soil staining or free product are discovered.
- Contact EHS to make any pre-removal notifications to Connecticut Department of Energy and Environmental Protection (required for certain USTs). *Lead time: 30 days*
- Retain a pre-qualified environmental contractor for on-site tank removal, soil testing and photographic documentation. The environmental contractor must provide EHS with copies of all project documents. *Lead time: 2-4 weeks*

**REGULATED CONSTRUCTION WASTE**

- Identify if any special construction wastes such as fluorescent lamps, mercury devices, lighting ballasts, oil-containing equipment or transformers are present and will be removed as part of your project.
- Submit a completed [Construction Waste Supply/Removal Request Form](#) for waste disposal supplies. *Lead time: 2 weeks*

**REMEMBER**

- *Yale buildings must comply with IBC, IFC and OSHA codes. OSHA codes are sometimes most stringent (e.g., fall protection) and often incorporate other safety standards by reference. In most cases, these requirements are not in conflict.*
- *Some IBC and IFC codes allow older buildings to be "grandfathered." However, OSHA allows no grandfathering. All Yale buildings must meet current OSHA standards.*

**QUESTIONS?**

Please contact Steve Murdzia, EHS Hazardous Materials Officer at 203-737-4453 (O), 203-410-5877 (C) or [steven.murdzia@yale.edu](mailto:steven.murdzia@yale.edu).

Visit [constructionrenovation.yale.edu](http://constructionrenovation.yale.edu) to for a full list of policies, guidelines and forms.