

CONSTRUCTION, DEMOLITION, AND RENOVATION CHECKLIST

(For assistance, please contact EHS at (402) 472-4925, or visit our web site at <http://ehs.unl.edu>)

The purpose of this checklist is to assist UNL FMP Maintenance and A&E Services to identify potential environmental and/or ionizing regulatory requirements early in the construction, demolition and/or renovation process. Early identification of potential regulatory requirements should assist in budgeting and alleviate project time delays. If any of the items generate a 'Yes' response, consult with EHS early in the design phase to develop necessary plans/procedures. Waste management is always of concern in any demolition, renovation or construction project and can result in significant costs. Refer to the EHS SOP, **Construction and Demolition Waste** for additional information/guidance.

Water Quality	
1	Will the construction project disturb more than 1 acre?
2	Will any of the work be conducted in a flood plain or in close proximity to a water body?
3	Will the project likely result in discharges of silt or pollutants to the storm sewer or nearby waterways, generally as a result of rain or a snow melt event?
4	Will the project increase storm water runoff and/or impervious surface area?
5	Will the project require an addition or modification to the storm sewer system? Will any new outfalls to surface water systems be constructed? Will any existing storm water systems or outfalls be modified?
6	Will there be a discharge to the sanitary sewer system other than from toilets and sanitary plumbing?
7	Will dewatering of the construction site be necessary?
8	Will a septic system, aerobic digester, or similar waste treatment system be installed?
9	Will the project involve construction or modification of large animal facilities?
10	Will a new oil/water or other physical solids separator be installed as part of a drainage main?
11	Will oil/water, physical solids separators, mud traps, grease pits or sumps be installed?
12	Will the project cause removal of any underground petroleum storage tanks?
13	Will any new cooling towers or other waste water discharge points be added?
14	Are there any new or abandoned wells or pits at the site?
15	Will the project involve installation of a swimming pool?

16	Does the project involve the installation or decommissioning of any type of groundwater well?
Bulk Oil Storage	
1	Will new underground or above ground petroleum storage tanks be installed?
2	Will new elevators, hoists, or other equipment with hydraulic reservoirs be installed, removed, or modified?
3	Will new cooking oil tanks be installed?
4	Will new transformers be installed?
Air Quality	
1	Will a new permanent emergency generator be installed?
2	Will a temporary power generator be operated on-site during the course of the project?
3	Will other new fossil fuel (natural gas, diesel, distillate, propane, gasoline) combustion sources be installed or existing fossil fuel combustion sources be modified (i.e., boilers, incinerators, kilns, ovens, etc.)?
4	Will other new sources of air emissions be installed or existing systems modified (e.g., spray paint equipment and/or booth, printing press, etc.)?
5	If the project involves demolition or remodeling, is asbestos present?
6	Will equipment utilizing freon or other refrigerant be added, removed, modified?
7	Are there any plans to conduct open burning of existing structures, vegetation, or other items?
Toxic Substances Release Control – Polychlorinated Bi-Phenyls (PCB)	
1	Will PCB oil-filled electrical equipment be removed (e.g., transformers, capacitors, hydraulic systems, power supplies, etc.)?
2	Will any PCB paint, caulking, or other material be used or removed?
Waste Management	
1	Will any construction and demolition materials be generated during this project (Scrap metal, brick, block, wood items, demolished buildings, water heaters, appliances, wiring, rebar)? See EHS SOP, <i>Construction and Demolition Waste</i> .
2	Will the project require disposal of hazardous materials (e.g., enamel paint, lead paint, chemicals, oil, mercury-containing thermostats or switches, fluorescent lamps and ballasts, solvents, thinners, chemicals, aerosol cans, etc.)?
3	Will the project require management of any contaminated soil?

Radiation Safety	
1	Will the project involve the installation of equipment that produces ionizing radiation (i.e., x-ray machines, x-ray fluorescence, x-ray diffraction, accelerators, irradiators, etc.)?
2	Will the space be utilized for work with radioactive materials following completion?
3	Will the project involve the installation or relocation of a Class III-b or Class IV laser?
4	Will the project be occurring in an area that has previously been used for radiation work (either open source or machine produced)?
Miscellaneous	
1	Will the project involve construction or remodel of a bulk chemical storage location or device?
2	Does the project involve the construction or remodel of a toxic gas or nanotechnology facility?
3	Does the project involve the construction or remodel of a laboratory that will be used with infectious biological agents or biologically-derived toxins?
4	Does the project proposal include a sophisticated laboratory filtration system (i.e., HEPA, charcoal, etc.)?
5	Does the project involve moving or relocating biological safety cabinets or fume hoods?
6	Does the project propose the installation or decommissioning of a pesticide rinsate area?