

UNIVERSITY OF DELAWARE

Department of Occupational Health & Safety

Checklist of Environmental and Occupational Concerns for New Construction and Renovations

The purpose of this checklist is to assist Facilities Planning and Construction staff in identifying environmental and occupational safety concerns early in the planning process. Some of the checklist items are for notification only, while others will require significant lead time to resolve (e.g. if a permit is required). Circle Yes, No, or NA (Not Applicable) for each question. More explanation can be provided at the end or on a separate attachment.

Return completed forms to: Robin Elliott, Director, Room 132 General Services Building

Project Name:		Project Anticipated Start Date:	
Project Number:		Date DOHS Responses Needed By (minimum 2 week lead time):	
GENERAL ISSUES			
#	Item to be Addressed	Yes No NA	EHS Contact
1.	Will construction disturb more than 1 acre of land?	Yes No NA	Leslie York-Hubbard
2.	Have storm water controls (e.g. silt fences, detention basins, etc) been included in the design?	Yes No NA	Leslie York-Hubbard
3.	Will the project cause removal or disturb any underground and/or aboveground petroleum storage tanks?	Yes No NA	David Levandoski / Kevin Eichinger
4.	Will construction disturb an old, protected remediation site? --Newark Farm - Landfill --Former Underground Storage Tank location	Yes No NA	David Levandoski / Kevin Eichinger
5.	Will the project require an addition or modification to the storm sewer system?	Yes No NA	Leslie York-Hubbard
6.	Will there be new underground petroleum storage tank(s)?	Yes No NA	David Levandoski
7.	Will there be new aboveground petroleum storage tank(s)?	Yes No NA	David Levandoski
8.	Will there be new emergency generator(s)?	Yes No NA	David Levandoski
9.	Will there be any open burning of vegetation or other items?	Yes No NA	David Levandoski
10.	Will the project include the addition of a sprinkler system, fire alarm system or modifications to these systems? May need telephone connections to UD Police.	Yes No NA	Jeff Work / Kevin McSweeney
11.	Will the project include modifications to kitchen exhaust hoods or associated automatic extinguishing system?	Yes No NA	Jeff Work / Kevin McSweeney
12.	Will the project affect existing roadways or will new roads be installed? Emergency vehicle access (fire lanes) may be affected.	Yes No NA	Jeff Work / Kevin McSweeney
13.	Will the project involve areas containing high dollar equipment (main frame computers) or impossible to replace items (rare books). A special extinguishing system may be needed.	Yes No NA	Jeff Work / Kevin McSweeney
14.	Will the project involve roof work? Fall protection may be needed.	Yes No NA	Joe Miller
15.	Will new wall coverings be installed (i.e. sound attenuating panels?) Need to consider combustibility and flame spread ratings.	Yes No NA	Jeff Work / Bernie Alexander
16.	Will need new or updated emergency evacuation postings as well as other warning signage (exit signs).	Yes No NA	Jeff Work / Kevin McSweeney
17.	Will the project involve excavation requiring trenching?	Yes No NA	Joe Miller
18.	Will the project involve the use of scaffolding?	Yes No NA	Joe Miller
19.	Will the project require work on any systems that need to be locked or tagged out? (i.e.: electrical, mechanical, steam, etc.)	Yes No NA	Joe Miller
20.	Will project involve confined spaces? (i.e.: will any be created or will existing ones be modified or entered?)	Yes No NA	Joe Miller
21.	Will the project involve interior hot work?	Yes No NA	Jeff Work / Kevin McSweeney
22.	Will the work require Factory Mutual's review?	Yes No NA	Joe Miller
23.	Will the project involve the use of cranes? Overhead work?	Yes No NA	Joe Miller
24.	Will the project have areas that would be temporarily or permanently utilized by the users of campus? i.e. pedestrian walkways through a construction site?	Yes No NA	Joe Miller

25.	Could the project affect the University Disaster Plan	Yes No NA	Robin Elliott
26.	Will the project require any materials required to have an MSDS sheet?	Yes No NA	Joe Miller
27.	Will the project require the use or storage of gas cylinders?	Yes No NA	Joe Miller
28.	Will the project involve the installation of SCBA's?	Yes No NA	Joe Miller
29.	Will the project involve the use or storage of any large quantities of flammable or combustible liquids?	Yes No NA	Kevin McSweeney
30.	Will the project involve the addition or removal of a pressure vessel(s)?	Yes No NA	Joe Miller
NEW CONSTRUCTION			
31.	Will new fuel fired equipment (such as boiler, emergency generator) be installed? A Facilities engineer review is required prior to the development of a scope of work.	Yes No NA	David Levandoski
32.	Will any laboratory fume hoods (or other local exhaust systems) be installed?	Yes No NA	Kevin Eichinger
33.	Will any hazardous gas alarms/detectors be installed?	Yes No NA	Joe Miller / Kevin Eichinger
34.	Will any other air pollution or air pollution control devices be installed? Examples: printing press(es), wood dust collectors, kilns, paint spray booths, fuel fired equipment, combustion source, etc.	Yes No NA	David Levandoski
35.	Is existing laboratory space being renovated or new laboratory space being added?	Yes No NA	Kevin Eichinger
36.	Will an incinerator be installed?	Yes No NA	David Levandoski
37.	Will there be a discharge to the sanitary sewer system other than from toilets and sanitary plumbing? Examples: steam condensate, boiler blow-down, chilled water, laboratory wastewater, photography chemicals, etc.	Yes No NA	David Levandoski
38.	Will there be any discharges to storm-water other than natural precipitation? Examples: Boiler blow-down, chilled water, steam condensate, etc.	Yes No NA	Leslie York-Hubbard
39.	Will a septic system, aerobic digester, grease-trap or wastewater treatment system be installed?	Yes No NA	David Levandoski
40.	Will there be a new elevator with a hydraulic oil reservoir?	Yes No NA	David Levandoski
41.	Will any confined spaces be produced / added as a result of the project.	Yes No NA	Joe Miller
42.	Will any equipment be installed that generates loud noises that may require hearing protection or noise attenuation	Yes No NA	Joe Miller
PROJECTS INVOLVING RENOVATION AND/OR DEMOLITION			
43.	Will building materials be disturbed. If so, is there potentially an asbestos issue with the project? This includes demolition and roof replacement projects.	Yes No NA	Jennifer Pyle
44.	Is there a potential for a lead-based paint issue with the project?	Yes No NA	Jennifer Pyle
45.	Will oil-filled electrical equipment be removed (e.g. transformers, capacitors, hydraulic systems, power supplies, etc.)?	Yes No NA	Murray Tate
46.	Will the project require working in or around an existing laboratory space or an area where chemicals or hazardous materials were used, stored or otherwise could be contaminated?	Yes No NA	Murray Tate
47.	Will the project require the removal or work around existing laboratory fume hoods?	Yes No NA	Murray Tate / Kevin Eichinger
48.	Will the project require chemicals, biologicals and/or radioactive materials be moved from one location to another?	Yes No NA	Murray Tate
49.	Will the project require disposal of hazardous materials (e.g. lead paint, chemicals, oil, mercury, fluorescent lamp ballasts, fluorescent bulbs, etc.)?	Yes No NA	Murray Tate
50.	Will biological safety cabinets or laminar flow hoods be moved, added or removed as a result of the project?	Yes No NA	Kathleen Schmidt
51.	Will renovation occur in an occupied building? Maintaining acceptable building air quality needs to be considered.	Yes No NA	Joe Miller
52.	Will the project involve work near areas with the potential for existence of mold?	Yes No NA	Joe Miller
53.	Will the project involve work at existing lead lined rooms?	Yes No NA	Bill Fendt
54.	Will the project affect fireproofing on building structural frames?	Yes No NA	Jeff Work / Kevin McSweeney
55.	Will the project require a change involving the primary or secondary exits?	Yes No NA	Joe Miller
POST CONSTRUCTION USE OF FACILITY			
56.	Will there be bulk storage (more than 55 gallons or 100 pounds) of hazardous substances (e.g. chlorine, ammonia, sulfuric acid, petroleum products, oil, etc)	Yes No NA	Joe Miller
57.	Will there be a rinsing area for pesticide application equipment?	Yes No NA	Joseph Miller
58.	Will there be any use or storage of radioactive materials?	Yes No NA	Bill Fendt

59.	Will there be any ionizing radiation devices (e.g. x-ray units, accelerators, cyclotron, etc.)?	Yes No NA	Bill Fendt
60.	Will there be any new laboratories with Biosafety Level 1, 2, 3, or 4 rating?	Yes No NA	Krista Murray
61.	Will the project involve installation of or work around (such as roof areas of CET) any non-ionizing radiation generating devices? (i.e. Class III and/or IV lasers, NMR units, antennae or transmitters, etc.)	Yes No NA	Bill Fendt

OTHER INFORMATION AND COMMENTS:

Print name of person completing form and phone extension

Date