

EHS construction/renovation project information

Complete this form to identify specific environmental health and safety issues related to new construction, renovation or demolition projects and submit it with the project package.

Project information	Project name:		
	Project number (if available):		
	Name	Email	Phone
Project manager:			
Project customer:			
Department/lab manager:			

Type of construction (check all that apply)

- New construction
- Demolition
- Other _____
- Third party owned or operated building
- Renovation – Partial or gut remodel

Type of space (check all that apply)

- Auditorium/ large assembly space
- Classroom
- Maintenance area or shop
- Makerspace
- Office space
- Robotics or rocket space
- Sports or athletics facility
- Other _____
- Laboratory – Academic
- Laboratory –Research
- Animal/insect facility
- Cleanroom
- Outdoor space
- Roof area
- Shop/art space

Please briefly describe below how the space will be utilized.

Laboratories

If the project involves construction, renovation or demolition of a laboratory, please indicate equipment and activities involved. **Check all that apply.**

	Animal or animal surgery
	Autoclave or sterilizer
	Biological safety cabinet
	Cadaver or human tissue
	Compressed gas cabinets
	Fume hood
	Glove box
	Helium recovery system
	High pressure equipment such as a pressure reactor
	High temperature equipment such as a furnace
	Hydrogen generator
	Insects
	Lasers, either purchased or fabricated
	Microorganisms or nanoparticles
	Modification to hood ventilation ductwork
	Outdoor research components such as greenhouses, tanks, animal enclosures.
	Plants
	Radioactive materials, research magnets or x-ray
Describe other equipment or activities not listed above:	

Art studio, tech shop, makerspace or maintenance shop

If the project involves construction, renovation or demolition of an art studio, tech shop, maker space or maintenance shop, please indicate equipment and activities involved. **Check all that apply.**

	Abrasive blast cabinet or outdoor abrasive blasting area
	Ceramic studio
	High temperature or high pressure equipment, including water jet cutters
	Jewelry-making metal working or etching
	Kiln
	Metal casting
	Metal workshop/space
	Photo or film processing lab/space
	Printing in three-dimensions or digital sculpture
	Printmaking
	Welding or soldering
	Woodworking
Describe other equipment or activities not listed above:	

Equipment and spaces not listed above

Indicate other equipment or processes not described previously. **Check all that apply.**

	Ammonia refrigeration
	Downdraft table

	Dust collector
	Large trash compactor
	New or modified stacks
	Oil-filled hydraulic equipment
	Oil/water or paint/solids separator
	Plasma cutting equipment
	Tank – either aboveground or underground
	Transformer
Describe other equipment not listed above:	

Hazardous materials	
Indicate whether any of the following hazardous materials will be used in the space. Check all that apply.	
	Biological agents or toxins
	Compressed gas
	Toxic gas
	Anesthetic gas
	Flammable compressed gas
	Oxidizer-compressed gas, such as oxygen or nitrous oxide)
	Cryogenic materials, such as nitrogen
	Pyrophoric or explosive materials
	Radiological materials
	Fertilizers, pesticides or herbicides
Describe other hazardous materials not listed above:	

Air emissions equipment	
Indicate whether any of the listed air emissions equipment or dust generating activities will added, removed or modified, not including construction-related emissions. Check all that apply.	
	Diesel-fueled equipment, such as diesel generators and diesel fire pumps
	Natural gas equipment such as kilns, furnaces, boilers, hot water heaters, generators and gas-fired HVAC equipment.
	Ongoing dust-generating activities such as outdoor dirt roads, dirt parking areas, earth moving.
	Other equipment that will release emissions to the air, such as woodworking, solvent degreasers and spray paint booths.

Waste	
Will the project involve any of the following routine waste generated after project completion? Check all that apply.	
	Biological
	Chemical – solid, liquid or gas
	Radiological
Will the project involve any ASU-owned academic, research, construction or demolition waste (not including left-over construction materials such as paint, adhesives and epoxy)?	

Waste	
Check all that apply.	
	Asbestos
	Biological waste
	Chemical waste
	Compressed gas cylinders
	Light ballasts
	Batteries
	Lead-containing waste, such as lead-based paint
	Fluorescent tubes and light bulbs and mercury-containing lamps.
	Mercury-containing wastes such as mercury switches, barometers, manometers, thermostats, thermometers, neon bulbs, electrical switches or relays and other equipment.
	Polychlorinated biphenyl, or PCB, waste. PCBs can be found in old oil-filled electrical equipment like transformers and old light ballasts. PCBs can also sometimes be found in some old caulk and weather stripping in older buildings.
	Radiological waste, including waste smoke detectors
	Tires
	Used oil

Reminders:

- Evacuation maps may need to be developed or revised as part of the project.
- Researchers and area managers may want to evaluate critical power needs for their research or area.

Questions? Contact ASU Environmental Health and Safety at 480-965-1823 or email asuehs@asu.edu.