

# EAST CAROLINA UNIVERSITY HAZARDOUS CHEMICAL USE GRANT REVIEW FORM

ECU policy requires that all grant proposals involving the use of hazardous chemicals be reviewed by an institutional review committee or their designee prior to initiation. The Office of Environmental Health and Safety (EH&S) serves as the review committee for the University. If a grant proposal involves the use of hazardous chemicals, this form must be completed and submitted to EH&S at 210 East Fourth Street or [safety@ecu.edu](mailto:safety@ecu.edu) for review and approval. Questions regarding the completion of this form should be directed to EH&S by calling 328 6166. Failure to provide all requested information will delay the review and grant approval process.

Title of Project:

Funding Agency:

Department:

Lab building & room number(s):

Principal Investigator:

E-mail:

Phone:

## SECTION I - HAZARD CLASSIFICATION

The researcher must conduct a hazard classification for the chemicals utilized in the research activity. Check all categories that apply to the chemicals used or produced in this research project. Hazard classification information may be obtained by reviewing SDSs, container labels and other reference material. Safety data sheets are typically the primary starting point for classifying materials.

DOT Class 1 Explosive  
DOT Class 2 Gas  
DOT Class 3 Flammable Liquid  
DOT Class 4 Flammable Solid  
DOT Class 5.1 Oxidizer  
DOT Class 5.2 Organic Peroxide

DOT Class 6 Poison  
DOT Class 8 Corrosive  
Water Reactive  
Sensitizer  
Pyrophoric  
Cryogenic

Toxic  
Highly Toxic  
Chemicals of unknown toxicity  
Carcinogen or Reproductive Toxin  
Chemicals do not meet any of the listed criteria

The following substances have specific OSHA standards that may require exposure monitoring, regulated areas, medical surveillance, training and other hazard control measures. Check all that will be used in this project. Click on each chemical for additional regulatory information.

- |   |                            |                                 |   |
|---|----------------------------|---------------------------------|---|
| <input type="checkbox"/> <u>4-Nitrobiphenyl</u> | <u>alpha-Naphthylamine</u> | <u>Inorganic arsenic</u>        | <u>3,3'-Dichlorobenzidine (and its salts)</u> |
| <input type="checkbox"/> <u>Benzidine</u>       | <u>beta-Naphthylamine</u>  | <u>bis-Chloromethyl ether</u>   | <u>N-Nitrosodimethylamine</u>                 |
| <input type="checkbox"/> <u>Ethyleneimine</u>   | <u>beta-Propiolactone</u>  | <u>2-Acetylaminofluorene</u>    | <u>4-Dimethylaminoazo-benzene</u>             |
| <u>4-Aminodiphenyl</u>                          | <u>Asbestos</u>            | <u>Coal tar pitch volatiles</u> | <u>Methyl chloromethyl ether</u>              |
| <u>Formaldehyde</u>                             | <u>Vinyl chloride</u>      | <u>Coke oven emissions</u>      | <u>1,2-dibromo-3-chloropropane</u>            |
| <u>Lead</u>                                     | <u>Cadmium</u>             | <u>Benzene</u>                  | <u>Cotton dust</u>                            |
| <u>Chromium VI</u>                              | <u>Acrylonitrile</u>       | <u>Ethylene oxide</u>           | <u>Methylenedianiline</u>                     |
| <u>1,3-Butadiene</u>                            | <u>Methylene Chloride</u>  |                                 |   |

## SECTION II - CHEMICAL INVENTORY

Submit list of all hazardous chemicals that will be used in this research project by chemical/product name and provide the chemical abstracts service (CAS) number, quantity and location of each. Follow the format indicated by the [required annual chemical inventory submission](#). [Send to \[safety@ecu.edu\]\(mailto:safety@ecu.edu\), click check box when completed.](#)

## SECTION III - LABORATORY SAFETY PLANS

Submit to EH&S laboratory safety plans for each protocol that address the hazards associated with the chemicals used during this research activity. This plan must identify the process, hazardous chemical/chemical class, potential hazards, engineering and ventilation controls, personal protective equipment, special handling and storage requirements, spill and accident procedures, waste disposal procedures, emergency evacuation procedures and employee information and training. ([View Laboratory Safety Plan Library for examples.](#)) [Send to \[safety@ecu.edu\]\(mailto:safety@ecu.edu\), click check box when completed.](#)

## SECTION IV - REQUIRED TRAINING

All authorized lab users must complete Chemical Hygiene/Laboratory Safety Training prior to beginning work in the laboratory. Also, the principal investigator must supply all authorized lab users with Lab Specific Training, which includes the specific hazards and their control measures that lab users will encounter. [List all authorized lab personnel in the text box provided for training verification.](#) ([View Laboratory Safety website for training information.](#)) [Click check box when completed.](#)

## SECTION V – LABORATORY INSPECTIONS

The researcher must submit to EH&S the most recent EH&S lab inspection report with their corresponding action plan. EH&S will perform a follow-up inspection to ensure all deficiencies have been appropriately corrected. If the research area has not been inspected during the past year, please contact EH&S at 328-6166 to schedule. EH&S must perform an initial inspection of the research area prior to grant approval. [Send to \[safety@ecu.edu\]\(mailto:safety@ecu.edu\), click check box when completed.](#)

## SECTION VI - CERTIFICATION

I certify that to the best of my knowledge the information provided in this document is accurate. I agree to comply with current regulations and University policies pertaining to laboratory safety and the use, storage, transfer and disposal of chemical agents. I will also abide by all the provisions of the ECU Chemical Hygiene Plan. I also understand that I am responsible for ensuring lab personnel comply with these same requirements.

Signature of Principle Investigator:

Date:

EH&S completes this portion

Signature of EH&S Review Staff:

Date:

Approval Status: