

Routing: For consideration, students should provide an electronic copy of this document to the following individuals: Pete Menard, Len Bonville, Garry Barnes

University of Connecticut-Center for Clean Energy Engineering New/Revised Experiment Form (ver. 2)

Experiment Title: _____

Student Name _____ Faculty Advisor _____

Student email _____ Faculty email _____

Student Phone # _____ Faculty Phone # _____

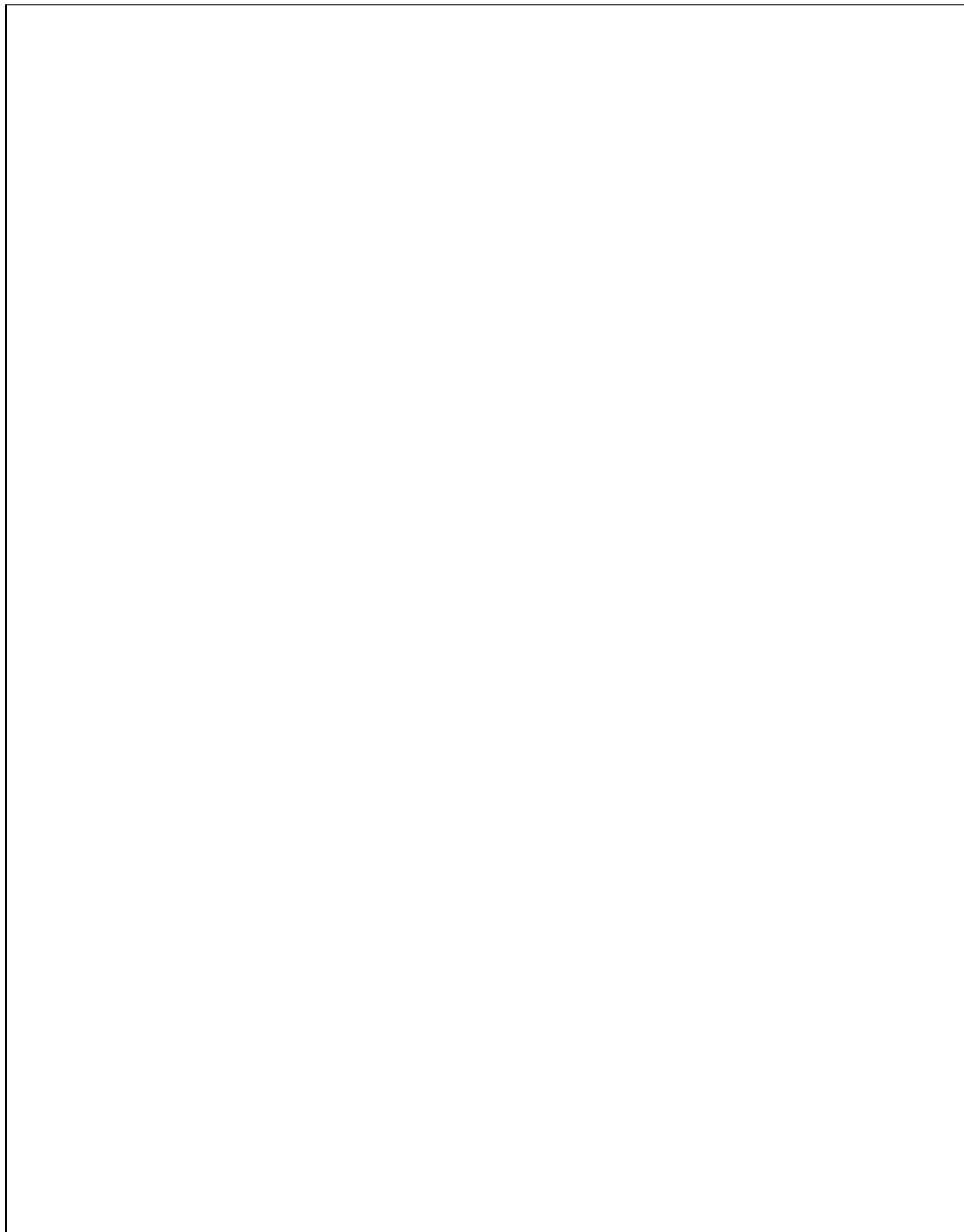
Request Date _____ Project Title _____

Objective: Please insert a short (< 200 word) description of the experiment, including the purpose of the experiment, dependent and independent variables and general approach.

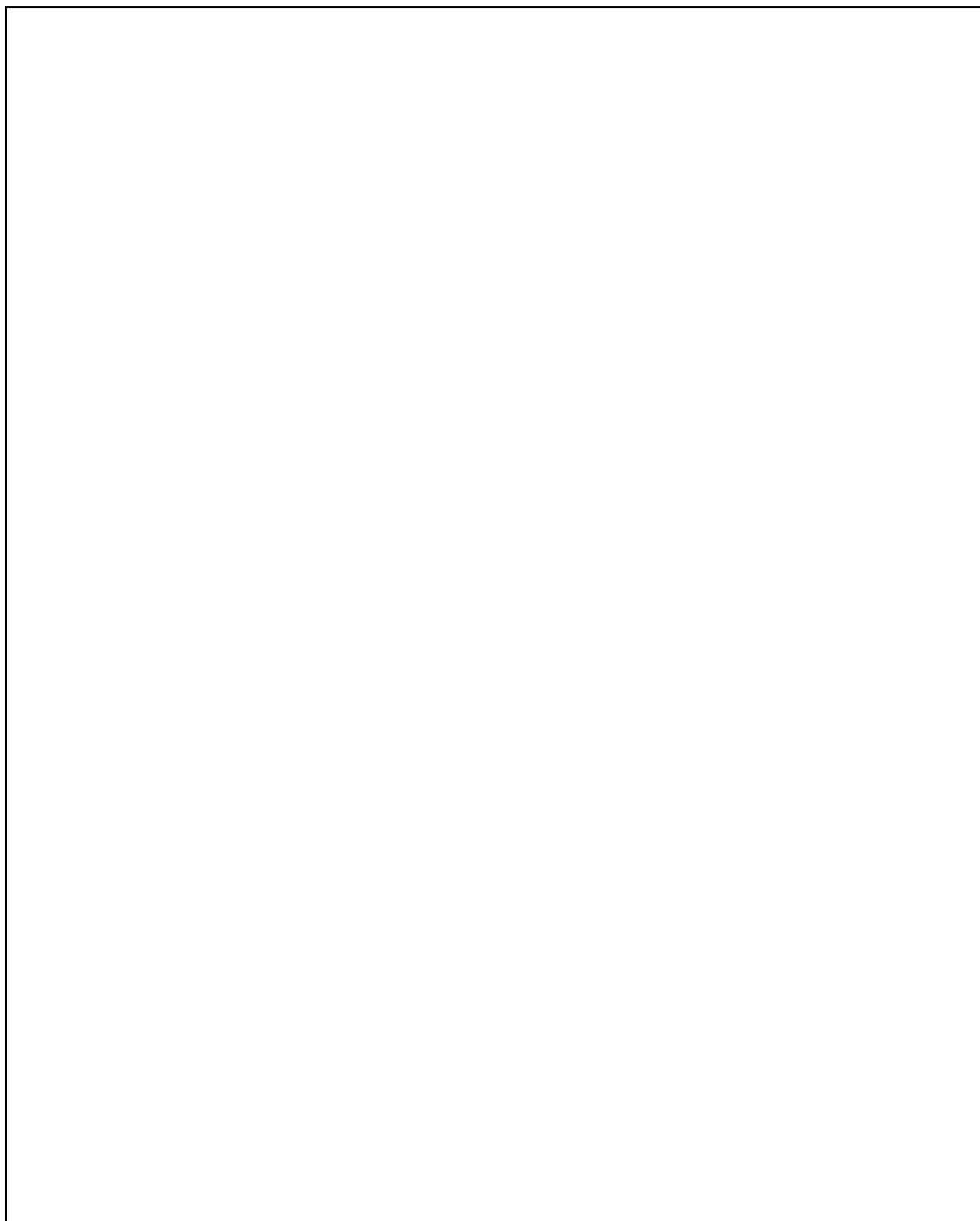
Equipment: Please list all large equipment that will be used to run this experiment. Also indicate whether the equipment is common use (owned by C2E2) or managed by the research group.

Chemicals: Please list all of the chemicals that will be used to conduct the experiment (this includes solvents – even water). In addition, provide NFPA 704 Hazard Rating for health (blue), flammability (red), reactivity (yellow) and other (white) next to each chemical and attach the MSDS sheet and PREAPPROVED Chemical Authorization Form for each chemical to this form.

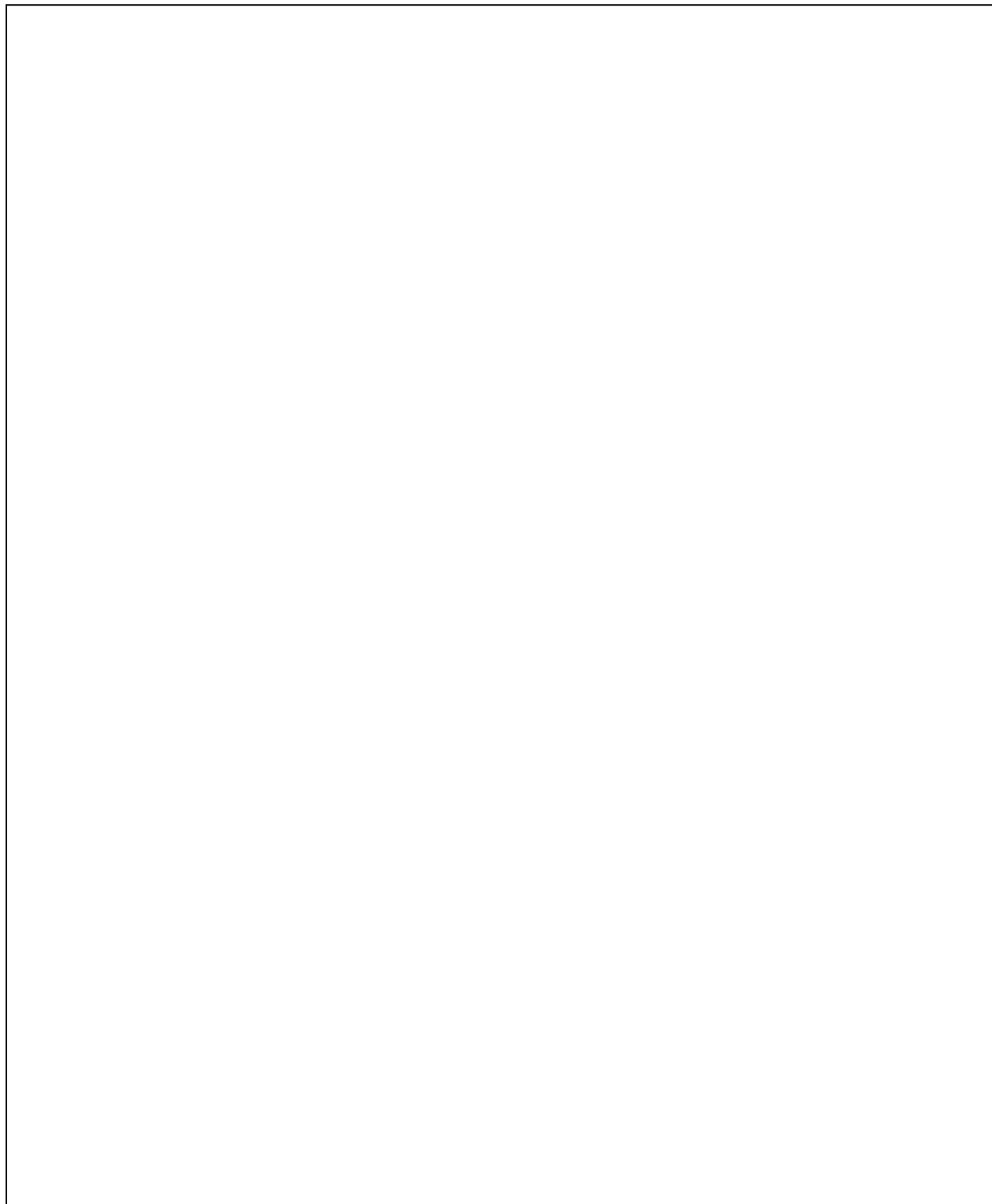
Required Items: Please list all of the non-equipment items that will be used to execute the project (i.e. tools, glassware, kimwipes, fume hood, ring stand, waste containers, gloves, etc.)

A large, empty rectangular box with a thin black border, intended for the user to list the required items for the project. The box is currently blank.

Procedure: Please provide a step-by-step account for the experimental steps. Also, for each step, please identify potential health, safety, flammability and other hazards and discuss what precautions will be taken to address the hazards.

A large, empty rectangular box with a thin black border, intended for the student to write their experimental procedure and associated safety information.

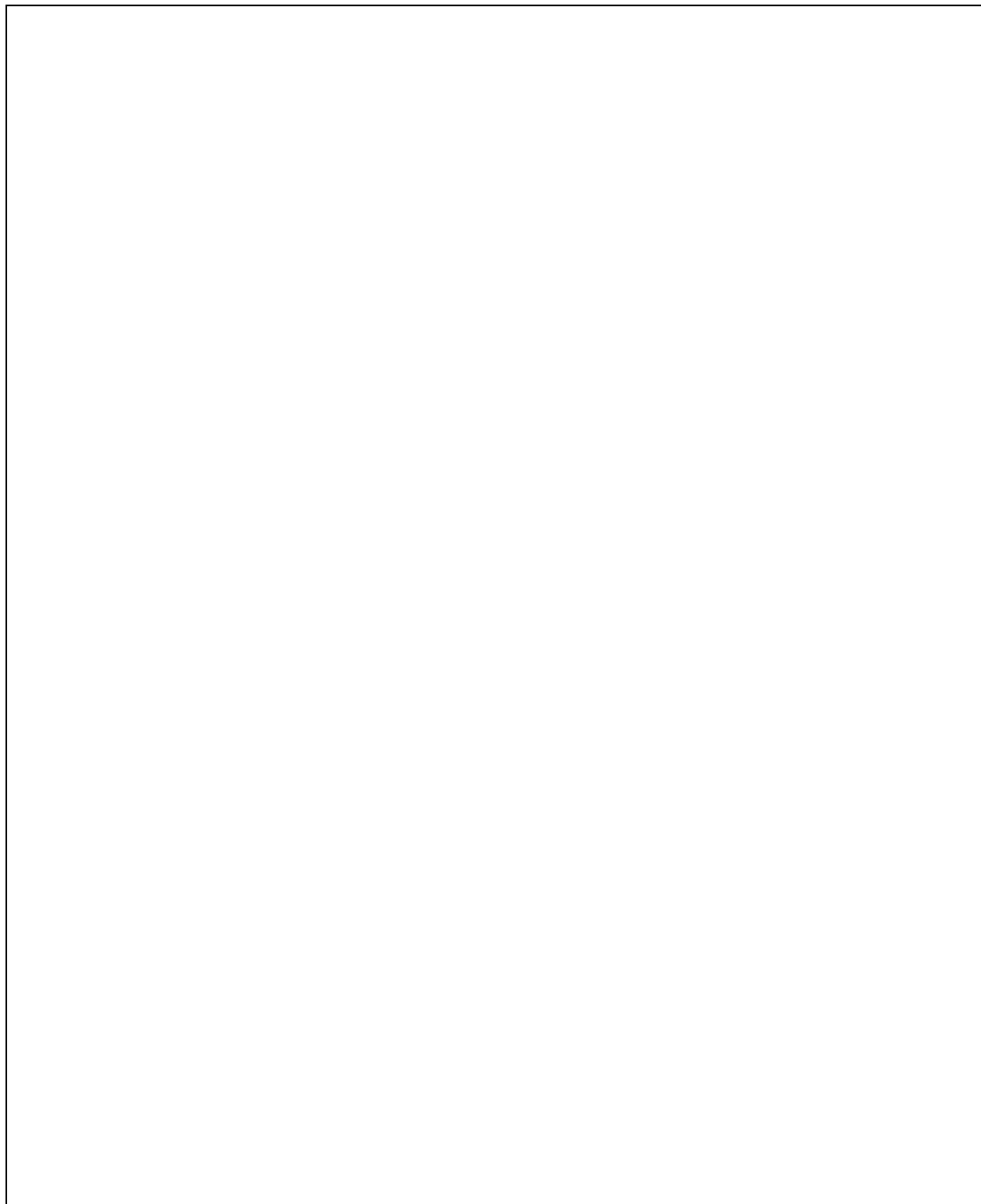
Safety Precautions: For each of the hazards identified in the procedure, please detail the procedure for hazard containment and cleanup.

A large, empty rectangular box with a thin black border, intended for the user to provide detailed safety precautions for each hazard identified in the procedure. The box is currently blank.

Experimental Schematic: In the box below, please provide a drawing of the experimental setup, being sure to label all inlets/outlets, gauges, access ports, flow direction and rate, etc.



Other Supporting Data: This can include calculations, graphs/plots of preliminary data that supports the general safety of the procedure. Also, if you are using a previous publication as the basis for this experiment, please attach the paper as an appendix to this document and indicate in the box below what elements you are utilizing and changing from the detailed approach.

A large, empty rectangular box with a thin black border, intended for the user to provide supporting data, calculations, or references as described in the text above.

Copies of Approved Procedures: An OSC signed copy of the approved experimental procedure should be kept next to the experiment. If a copy of the approved document is not found, the experiment will be suspended until an approved copy is in place.

Deviations from Approved Procedures: If a deviation from the approved experimental protocol is desired, the performing student must contact the on-site laboratory manager to receive verbal approval for alteration. If the laboratory manager feels that a significant change to the procedure is being proposed, or if there are new safety implications, a new copy of this document with an updated procedure will be required. If a deviated experiment is found running without authorization, the experiment will be discontinued indefinitely, subject to a procedural review meeting with the OSC.

Notice of Incident: In the event that an approved experiment experiences a hazard event, it is the responsibility of the student and faculty member to notify the C2E2 Operations and Safety Committee (OSC) in writing within 24 hours of the event. If the event is unreported, the OSC reserves the right to discontinue the experiment indefinitely. After the hazard event is reported, the chair of the OSC will notify the student and faculty advisor if a safety analysis hearing will be required.

Damage: In the event of negligence, the executing student and faculty member may be held liable financially for any damage to the C2E2 facility, equipment, supplies or consumables. Financial responsibility will be discussed in the safety analysis hearing.

Acknowledgement: We have read the above policies and agree to comply with both the Notice of Incident and Damage Policies. Also, to the best of our knowledge, the above statements are true and we have in no way attempted to deceive the C2E2 Operations and Safety Committee. We also acknowledge that this procedure can be re-evaluated at any time by the OSC and the experiment can be shut down if the committee feels that proper safety precautions are not being followed.

Student Signature _____ Date _____

Faculty Advisor Signature _____ Date _____

To be used by the Safety and Operations Committee only:

Approved

Committee Chair Signature _____

Denied

Decision Date _____

Committee Comments _____
