Brandon University Animal Use Protocol  
Schedule 5  
Environmental Manipulation

Please save this file to your computer. Applicants are required to complete **all** sections and submit electronically to the Research Ethics Officer at [buacc@brandonu.ca](mailto:buacc@brandonu.ca).

All sections in this form will expand as necessary. Questions about using the form should be directed to Shannon Downey, Administrative Officer to the Vice-President (Academic & Provost) and Research Ethics Officer, at (204) 727-9**712** or [downeys@brandonu.ca](mailto:downeys@brandonu.ca).

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| --- | --- | --- | --- | --- | --- |
| 1. **Will unnatural light/dark schedules be used?** | | | **Yes** | | **No** |
| 1. **If YES, give hours of light per 24-hour period, or hours of light and dark if other than a 24-hour cycle will be used.** | | | | | |
| 1. **What are the expected effects on the animal?** | | | | | |
| 1. **Will unnatural temperatures or humidity, or unnatural durations of normal extremes of temperature or humidity (for the species) be used?** | | | **Yes** | | **No** |
| 1. **If YES, describe the procedures, including temperature and/or humidity values to be used and duration of exposure of animals to them.** | | | | | |
| 1. **What are the expected affects on the animal?** | | | | | |
| 1. **Will unnatural concentrations of gases (atmospheric or aquatic) be utilized?** | | | **Yes** | | **No** |
| **If YES, please complete the following table:** | | | | | |
| **Gas** | **Normal Range of Concentrations or Partial Pressure for Species** | **Concentration or Partial Pressure Range to be Used** | | **Duration of Exposure** | |
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| 1. **Will environmental contaminants or toxins be used?** | | | **Yes** | | **No** |
| **Describe the expected effects on animals.**    ***NOTE: If any of these constitute radiation, chemical or biohazards, complete and attach Schedule 6.*** | | | | | |
| 1. **Will chemical parameters such as pH, total dissolved solids, etc. of aquatic environments be manipulated?** | | | **Yes** | | **No** |
| **If YES, please complete the following table:** | | | | | |
| **Chemical Parameter** | **Normal Range for Species** | **Concentration Range to be Used** | | **Duration of Exposure** | |
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| 1. **Describe any other environmental manipulations which will be used or which may be secondary effects of this experiment. (e.g. high noise levels, air (or water) pressure variations, high ammonia levels, high dust levels, etc.)** | | | | | |