**Transformative Strategies for Reducing Excess Nutrients in Waterways Assessment**

Technical Feasibility (10 points)

For submissions based on novel technical advances, how likely is it that the suggested solution can be developed and implemented? The student should provide a reasonable general approach for developing the solution, identify key questions and/or contingencies that would need to be addressed during the development, and provide high-level evidence that developing the solution is possible.

Impact (10 points)

Students should provide an estimation of the impact that the solution would have in dramatically reducing/containing nutrient pollution. This estimation could be based upon measures such as:

* 1. Reducing nutrient waste production
  2. Reducing nutrient waste release
  3. Controlling run-off/leaching/deposition to water bodies
  4. Reducing the existing nutrient pollution in water bodies (although approaches to solving the problem should focus on near-source approaches)

Novelty (10 points)

How distinct from other ideas is the suggested solution? For this criterion, ideas will be rated higher the further removed they are from existing and/or already suggested approaches.

User Adoption (10 points)

Solvers should provide a clear strategy explaining how their submission addresses the wide variety of reasons that have impeded adoption of many transformative innovations.  While frustrating, these hurdles usually reflect legitimate stakeholder needs and concerns that must be addressed in order for a solution to have the desired impact. Key barriers to user adoption include:

1. Social / cultural

2. Economic

3. Logistical  
4. Timeframe