**APPLICANT PROJECT TITLE:**

**APPLICANT OPERATION NAME:**

Instructions:

* Please ensure that all sections of the template are filled out completely and accurately, taking into consideration the prompts in blue where relevant. It is important to remove all blue guidance text prior to submission. Applicant may merge this template with any supplementary information into a single PDF.

Provide detailed information, which may be accompanied by scientific literature/literature review on how the proposed advanced manure management practice in the proposed project will improve nutrient management and water quality on the dairy farm.

1. Current Nutrient Management Issues: Describe the current nutrient management issues on the dairy farm. The applicant may provide a comprehensive overview of the sources of nutrients in the current system, such as manure and fertilizer, as well as the pathways by which they enter the environment, such as runoff or leaching.
2. Proposed Advanced Manure Management Practice: Provide a detailed description of the proposed advanced manure management practice and how it will improve nutrient management and water quality on the dairy farm. This may include information on the specific technology or practice that will be used, such as a nutrient recovery system or a manure treatment system. The project proposal should also describe how the proposed practice will reduce nutrient surplus levels and any co-benefits that may be achieved, such as improved soil health, air quality, etc. Also discuss to what extent does the project targets nutrient management and water quality issues that are a priority for the facility, local community, or region.
3. Monitoring and Evaluation: Describe the steps that will be taken to monitor and evaluate the effectiveness of the proposed advanced manure management practice in improving nutrient management and water quality on the dairy farm. This may include information on the monitoring methods that will be used, such as water quality testing or nutrient analysis, as well as the frequency of monitoring.
4. Maintenance: Describe the plans for maintaining the direct benefits and co-benefits achieved through the proposed advanced manure management practice over the years. This may include information on the expected lifespan of the practice and any maintenance requirements that will be necessary to ensure continued effectiveness. Additionally, the project proposal should describe any plans for upgrading or replacing the practice in the future if necessary.
5. Engagement with neighbors and local community: To what extent does the project engage with stakeholders, such as neighboring producers, local community members, or environmental groups, to address water quality concerns and ensure project success?