**APPLICANT PROJECT TITLE:**

**APPLICANT OPERATION NAME:**

Instructions:

* Length: Please limit the document to 15 pages
* Complete all sections of the template, making sure to review and address the prompts in blue as applicable. Remove all blue guidance text before submission.

## Project Description

Operation Background

Provide the details of the history and background of the dairy operation.

Discuss herd size and breed, including the average number of lactating cows (in freestalls and in open lot corrals), dry cows, replacement calves, and replacement heifers, at your operation over the last 12 months.

Within the herd, identify which livestock will be included in the project boundary (this includes only the animals for which manure management will be affected by the Dairy Plus Program project).

Explain how the advanced manure management project provides benefits beyond the traditional state-funded programs (e.g., AMMP and DDRDP), and how it can provide additional greenhouse gas emission reductions.

The description should also explain how this project will positively affect the local community and the environment, and provide benefits to priority populations or socially disadvantaged farmers and ranchers (SDFR).

Finally, comprehensive long-term plans for both maintenance and improved functionality must be included.

Project Site Location

|  |  |
| --- | --- |
| Address or nearest cross street: |  |
| City, Zip Code: |  |
| County: |  |
| Project herd size: |  |

Project Type (e.g., AMMP Dairy Plus, DDRDP Dairy Plus, Dairy Plus for Previous AMMP, etc; and if it is vermifiltration, etc.)

Provide details of the type of advance manure management project planned, and the steps needed to implement it.

Provide details of the quantity, location, and source of manure to be managed at the operation and specifically in the proposed project.

Equipment

Describe the equipment to be used in implementing the advanced manure management practice.

Other

* Discuss the anticipated length of time for the project to be operating at full capacity and a clear and concise description of the goals and objectives of the project,
* Describe how you will evaluate the success of the project, and whether those goals and objectives identified have been achieved,
* Justification for the need for CDFA/USDA funding, and an explanation of market viability including target markets, barriers, financial risks, partners, and economic viability with cash-flow projections as applicable,
* Discuss the potential for the project type to be successfully implemented in other operations.
* Describe any potential challenges that the applicant foresees to project implementation and provide plans to avoid or overcome them.

## Project Oversight

Organization

Provide a list of team members along with a short description of their qualifications, experience, technical expertise, capabilities, and credentials (e.g., a professional resume). This must include at a minimum, project developers (if applicable), project manager, and participating dairy farmer(s). Applicant must identify why this particular team composition and representation will enable successful implementation of the proposed work plan. Collaboration is encouraged.

Experience

Provide an explanation of how various tasks will be managed and coordinated and how the project manager’s technical expertise will help achieve the goals of the project. Describe previous experience of the project team with similar projects in California or other parts of the United States.

List past successful projects developed by the project team, including projects implemented in California and their operational status.

## Long-Term Viability of Project

Long-Term Planning

Demonstrate how the operations and maintenance costs of the project will be sustained beyond the project term (i.e., once the project is operational and/or grant agreement term has ended), and for the life of the project. Explain all ongoing funding sources for the project. List personnel positions assigned to carry out operations and maintenance throughout the life of the project.

Describe any plans for monitoring the effectiveness of implemented project over time.

Component Repair and Support

Examine, compare, and describe the availability of required replacement parts and qualified service personnel to keep the system operating as effectively as possible with a minimum amount of downtime for repairs or maintenance. Provide information regarding the availability of replacement parts and qualified service technicians, the cost of commonly replaced parts/services, and the availability of included maintenance packages. Include vendor quotes and agreements if available.

Maintenance

Provide information regarding necessary maintenance intervals, common maintenance requirements, cost of common maintenance parts/fluid replacement, the complexity of maintenance, warranty required services, need for technicians to perform maintenance, typical annual maintenance cost, and time required for maintenance tasks. Include vendor quotes and agreements if available.