**2.4.3. Water Management Plan**

**2.4.3.1.** The goal of your **water management plan** is to mitigate potential risks associated with the water system on an ongoing basis. Describe your plan or use the provided template to write your water management plan. Include the following:

1. **Preventive Controls:** The action(s) your farm takes to minimize or prevent the potential hazards identified in the risk assessment.
2. **Monitoring:** The observations or measurements you make to determine that your preventive controls are effective.
3. **Verification Procedures:** Describe the activities, other than monitoring, that determine the validity of your plan and that the system is operating according to the plan.
4. **Corrective Actions:** Identification and elimination of the causes to eliminate a detected nonconformity.
5. **Documentation Plan:** What documents will you keep

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Location** | **Contaminant Source** | **Pathways, h**ow contaminant moves | **Preventive Controls**  | **Monitoring** | **Verification Procedures** | **Corrective Actions** | **Documentation****Plan** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**Agricultural Water Inspection Log:** Corrective actions options include:Construct barriers (e.g., fences, ditches, storage pits); Control runoff with sod strips, grass waterways, vegetative buffers, etc.; Level ground to prevent runoff; Spread manure during dry weather or incorporate manure within 24 hours of spreading; Leave a manure-free protective strip at least 10 m wide around surface water sources; Ensure all equipment is well-maintained; Ensure equipment is not cleaned, maintained or drained where the water source may become contaminated; Ensure proper operation of sewer/septic system; Irrigate in the morning to increase rapid drying and reduce pathogen survival with ultra violet light; Allow time between irrigating and harvest; Do not irrigate.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Water Source/ Distribution System (Type/Location/ID)** | **Contamination Risks Identified** | **Identified by** | **Corrective and/or preventative actions if necessary** | **Date Corrective Action Completed** | **Completed by** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**Water Management Plan Review Documentation**The plan shall be reviewed following any changes made to the water system risk assessment and adjusted accordingly to incorporate such changes. Training and/or retraining of personnel having oversight or performance duties shall be documented.

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Signature | Date  | Signature |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**2.4.3.2. Water Microbial Quality Testing Plan (Verification)**

Lab Information (name, address, phone) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Source and ID** | **How frequent and when is this source tested?** | **Who is responsible** | **Sample Taken,****where and how** | **Test** | **Use** | **Check-in** |
|  | Ground, surface, or municipal and ID |  | Who collects the samples, records the results, and oversees corrective actions. | Where sample is taken, and how the sample is collected. | Type of test and acceptance criteria | For what agricultural activities is this water used? | Done | Will By |
| Water Quality Testing |  |  |  |  |  |  |  |  |
| Water Quality Testing |  |  |  |  |  |  |  |  |
| Water Quality Testing |  |  |  |  |  |  |  |  |
| Water Quality Testing |  |  |  |  |  |  |  |  |

**2.4.3.2. Water Quality Testing Result Log**

Save documents providing information on test methods and test results from your laboratory.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Water Source (Type/ID #)** | **Laboratory** | **Type of Test Performed** | **Results** | **Corrective Actions** (if necessary) | **Initials** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |