**2.4.1 Agricultural Water System Description**

Water sources and the production blocks they serve

**Describe Your Water Use**

Identify what water types and sources are use for the activities on your farm. Include identification numbers of water sources.

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|  | **Check if used and** add ID of water sources | | |
| **Uses** | **Municipal** | **Private Well** | **Untreated Surface water** |
| Drinking |  |  | Not permitted |
| Hand Washing |  |  | Not permitted from harvest on |
| Cleaning food contact surfaces |  |  | Not permitted |
| Harvest and post harvest water that contacts produce |  |  | Not permitted |
| Ice that contacts produce and produce contact surfaces |  |  | Not permitted |
| Irrigation: None Overhead sprinkler Drip Furrow Flood |  |  |  |
| Fertilizer application |  |  |  |
| Pesticide / Fungicide application |  |  |  |
| Compost tea and foliar applications |  |  |  |

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| --- | --- | --- | --- |
| **Water System Risk Assessment and Plan Documentation** (check all that apply) | | | |
|  | Water System Description/Diagram Map | | |
|  | Water System Risk Assessment Documentation | | |
|  | Annual Self-Audit of Water System Plan | | |
|  | Annual Inspection of Agricultural Water Sources and Systems, and Pooling of Water | | |
| **Water Testing Documentation** (check all that apply) | | | |
|  | Municipal water |  | Annual water bill |
|  | Laboratory analysis |
|  | Private Well Water |  | Laboratory analysis reports |
|  | Testing and corrective action log |
|  | Well inspection log |
|  | Untreated Surface Water |  | Laboratory analysis reports |
|  | Testing and corrective action log |
|  | Water source inspection log |

**2.4.2.1 Water System Risk Assessment**

Perform A “Sanitary Survey” Of Water Sources And Distribution Systems

- An initial risk assessment shall be performed and documented that takes into consideration the historical testing results of the water source, the characteristics of the crop, the stage of the crop, and the method of application.

- A review or new assessment shall be conducted seasonally and any time there is a change made to the system or a situation occurs that could introduce an opportunity to contaminate the system.

- The risk assessment shall address potential physical, chemical, and biological hazards and hazard control procedures for the water distribution system.

**Risk Assessment**

If your Land Use maps adequately include your water system, skip to 5 and do a water risk assessment or review. If not, use photos, drawings, written descriptions, or other means, to identify the below features specific to your water system in a manner so as to enable location.

**1. Basic Features:**

* Water source(s), give identification codes to sources for use in record keeping
* Permanent fixtures and the flow of the water system (including holding systems, wells, gates, reservoirs, valves, returns or any water captured for re-use, and other above ground features that make up a complete irrigation system
* Arrows that show water flow

**2. Add Potential Hazards:** Add potential contaminant sources. Include neighboring land that could impact your farm. Address survival and reproduction of pathogens by looking for puddles, food sources, and habitat.

* Any potential contamination risks that may exist for these sources, physical, chemical, and biological
* Water runoff from fields, irrigation, equipment cleaning, or packing shed water into, near, or up-water of water sources
* Areas of puddling that could contaminate water sources
* Arrows that show surface water flow and wind direction

**3. Contamination Pathways** Draw in “pathways” on your maps—linking potential contaminant sources with your water system. This will help make it clear to you where systems are needed to minimize the chance that a contaminant will get into your water system.

* Include pathways via wind or water, or on vehicles, animals, tools, or people.

**4. Add Co-Management Systems to your map**

Identify natural features that may capture or filter pathogens between sources of contamination and production areas and water sources. Detailed information on applying co-management is in the land use section.

* Buffers
* Wetlands
* Grass strips and grass field edges
* Hedgerows and windbreaks
* Vegetated diversions
* Riparian buffers
* Forest land

**5. Identify Potential Hazards, Pathways, Practices, and Systems to Minimize Risk**

Using the maps and descriptions, list potential sources of contaminants and pathways the contaminants could travel to your water system. Plan practices and systems to minimize risk.

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| Location | Potential Contaminant Source | Pathways: Air, Water, Animals, Humans, Equipment | Practices and Systems To Minimize Risk |
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**2.4.2.1. Water System Risk Assessment Documentation**Annual review or new assessment shall be conducted seasonally and any time there is a change made to the system or a situation occurs that could introduce an opportunity to contaminate the system.

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| Date | Signature | Date | Signature |
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