

Water System Risk Assessment

Conduct 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

If your answer to a question indicates a risk of a food safety hazard, then further understanding, conducting a risk assessment and/or Preventive or Corrective Action(s) are needed to minimize possible contamination.

Area of Potential Risk with Water System and Use	Yes	No	NA	What is the potential risk identified?	Likelihood (Circle One)	What Preventive/Corrective Action(s) will you use to minimize the risk?	Date/Initials
Is the source of water used for irrigation clearly identified?					Low Medium High		
Is the potable water source clearly identified with laboratory testing to support no detectable levels of generic <i>E.coli</i> ?					Low Medium High		
Are water distribution systems monitored and maintained and currently in working order?					Low Medium High		
Is the method of water used in irrigation and fertigation identified?					Low Medium High		
Is the quality of water used in the application of plant protection products (PPPs) considered?					Low Medium High		
Is the quality of water used in any other pre-harvest treatment such as sun damage mitigation, frost protection and misting considered?					Low Medium High		
Is the quality of water used during harvest considered?					Low Medium High		
Is the quality of water used during the transportation of the product being considered? (e.g.,					Low Medium High		

water transfer systems, dump tanks)							
Is the quality of water used during hydro-cooling, sorting or washing of the product considered?					Low Medium High		
Is a sanitizer added to the wash water?					Low Medium High		
Is the quality of ice or water used in production of ice used to top produce considered?					Low Medium High		
Is the quality of water used in facility and equipment cleaning procedures considered?					Low Medium High		
Are human and animal waste water systems separate from the irrigation water system?					Low Medium High		
In the case where a gas engine is used to pump water, a drip plan is used to prevent irrigation water contamination					Low Medium High		
Municipal Water Only: Most recent water test results requested from municipality and on file?					Low Medium High		
Surface Water Only: Uncontrolled wildlife access					Low Medium High		
Surface Water Only: Surface run-off during times of heavy rain or melting snow					Low Medium High		
Surface Water Only: Irrigation water is applied by overhead coming into direct contact with the edible portions of the crop					Low Medium High		
Surface Water Only: Sanitary condition of the irrigation water holding/storage tank is addressed					Low Medium High		
Surface Water Only: In the case where a gas engine is used to					Low		

pump water, a drip plan is used to prevent irrigation water contamination					Medium High		
Surface Water Only: Sanitary condition of the irrigation hoses is addressed					Low Medium High		
Surface Water Only: Acceptable irrigation water test results on file? (</=235 MPN - Direct Contact with Edible Portions of Crop; </= 576 MPN – No Direct Contact)					Low Medium High		
Surface Water Only: At least three (3) acceptable water test results/year on file if you are renewing your GAP certification (yearly), for previous years?					Low Medium High		
Surface Water Only: Are historical surface water test results on file?					Low Medium High		
Well Water Only: Well is in good order with no cracks or damage?					Low Medium High		
Well Water Only: Is there potential for agricultural runoff based on well location?					Low Medium High		
Well Water Only: If the septic system located close to the well?					Low Medium High		
Well Water Only: Are procedures in place to ensure sanitary conditions of the well water holding/storage tank are addressed?					Low Medium High		
Well Water Only: Is a backflow prevention device installed and properly functioning?					Low Medium High		
Well Water Only: Well is in good order with no cracks or damage					Low Medium High		

Are there any potential physical contamination concerns not mentioned above?					Low Medium High		
Are there any potential chemical contamination concerns not mentioned above?					Low Medium High		
Are there any potential biological contamination concerns not mentioned above?					Low Medium High		