

STANDARD TASK ANALYSIS FORM

6/2/2011

Duty/Task:									
G-10 Maintain water quality									
STEPS (Required to Perform the Task)	PERFORMANCE STANDARDS (Observable & Measurable Criteria)	TOOLS, EQUIPMENT, SUPPLIES & MATERIALS (Needed)	REQUIRED KNOWLEDGE AND SKILLS (Math, Science, & Language)	SAFETY (Concerns)	WORKER BEHAVIORS (Important to Worker Success)	DECISIONS (Identify Decisions that Must be Made by the Worker)	CUES (Identify the Data Needed for Making Correct Decisions)	ERRORS (Indicate What May Result if Incorrect Decisions are Made)	
1 Submit a water sample to a qualified lab for analysis of pH, nitrates, e coli contamination	1 Submitted an appropriate size water sample to a qualified lab for analysis	1 Sample jar, label	1 Knowledge of how to take representative water samples, knowledge of area reputable labs	1 N/A	1 Accurate, timely, conscientious	1 How do I take a representative water sample? Where do I send it for analysis? How do I know the lab is reputable?	1 Instructions from lab, grower recommendations	1 Won't know what water quality issues you have or need to address, water quality may affect plant growth or consumer health	
2 Review the results (seek additional interpretation if needed)	2 Reviewed the test results and sought additional analysis if needed	2 Test results from lab	2 Knowledge of acceptable tolerances for water quality, knowledge of how water quality affects plant growth, analytical skills	2 N/A	2 Analytical, attentive, consultive	2 Are the results within acceptable ranges for water quality? What quality issues do I need to address? Who can I ask if I need assistance in interpreting the results?	2 Lab standards and recommendations	2 Won't know what water quality issues you have or need to address, water quality may affect plant growth or consumer health	
3 Take appropriate action to improve identified water quality issue	3 Took appropriate steps in a timely manner to improve any water quality issues	3 Will depend on the issue	3 Knowledge of water quality improvement methods	3 Use caution if handling water treatment chemicals	3 Responsive, problem solver, conscientious	3 What do I need to do to improve water quality? Can I afford the required remedy? What do I do if I can't?	3 Other grower or consultant recommendations, extension publications	3 Won't address water quality issues, crop yields or public health may be affected	
4 Clean filters on a regular basis to ensure their proper operation	4 Cleaned all filters on a regular basis	4 Screwdriver, wrenches, water source to clean filters, replacement filters	4 Knowledge of irrigation's filtering system	4 N/A	4 Thorough, observant	4 Where are the filters located that I need to clean? How do I clean them? What if they are damaged or beyond cleaning?	4 Knowledge of irrigation system, experience, manufacturer recommendations	4 Sand or other debris may reduce water flow	
Analyst: John Moser			Specific Relevant References:						
Expert Workers:			1 Water testing lab						
Al Welch			2 Extension publications						
Milan Pajev									