



HTST PASTEURIZER WORKSHOP APRIL 11-13, 2017

TUESDAY, APRIL 11, 2017

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| 8:00am | Registration & Coffee | |
| 8:30am | Introductions and Course Overview | Rob Ralyea, Cornell University |
| 8:45am | Pre-test | |
| 9:00am | <ul style="list-style-type: none"> Basics of Dairy Microbiology Product Quality Product Safety | Rob Ralyea, Cornell University |
| 10:15am | Break | |
| 10:30am | Equipment System Design and Control | Bob Price, Seiberling Associates, Inc. |
| 11:30am | Lunch | |
| 12:15pm | Equipment System Design and Control (continued) | Bob Price, Seiberling Associates, Inc. |
| 1:45pm | Break | |
| 2:00pm | HTST Recording Charts <ul style="list-style-type: none"> Exercise and Review | Becca Durant, NYS Dept. of Agriculture & Markets |
| 3:00pm | HTST Instrumentation for Control | Gary Ratajczak, Anderson Instrument Co. |
| 4:30pm | UHT and HHST | Becca Durant, NYS Dept. of Agriculture & Markets |

WEDNESDAY, APRIL 12, 2017

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| 8:00am | Day 2 Overview | |
| 8:15am | <ul style="list-style-type: none"> NYS Requirements for operating with a broken regulatory seal Review of Regulatory Tests for HTST | Shannon Brown, NYS Dept. of Agriculture & Markets |



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| 10:00am | Break | |
| 10:15am | HTST Testing: Demonstrations and Hands-on Sessions | |
| | Group 1: Safety Thermal Limit (STLR) Device | Gary Ratajczak, Anderson Instrument Co. |
| | Group 2: HTST Holding Time & Flow Rates** | Lyndsay Perryman, NYS Dept. of Agriculture & Markets |
| | Group 3: Safety Thermal Limit Recording (STLR) Device [ABB STLR] | Grant Fine, ABB, Inc. Bob Harrington, RH Enterprises |
| | Group 4: Flow Diversion Device-Valve Testing | Shannon Brown, NYS Dept. of Agriculture & Markets |
| | Group 5: Pressure Differential & Dart Thermometers | Bruce Krohn, Anderson Instrument Co. |
| 11:15am | Group Switch | |
| 12:15pm | Lunch | |
| Groups switch at 1:15pm, 2:15, and 3:30 [Break from 3:15-3:30pm] | | |

**** Sequence Logic Demo for groups with UP/UHT/HHST Personnel**

THURSDAY, APRIL 13, 2017

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| 8:00am | <ul style="list-style-type: none"> NYS Broken Seal Policy Review Phosphatase Testing and Sampling | Lyndsay Perryman, NYS Dept. of Agriculture & Markets Bob Harrington |
| 9:00am | Cleaning and Sanitizing HTST and Product Distribution Systems | Dana Lively, EcoLab Food & Beverage |
| 10:15am | Break | |
| 10:30am | Maintenance of HTST Systems | Josh Atchie, UDMC |
| 11:15am | Program Review, Post-test | |