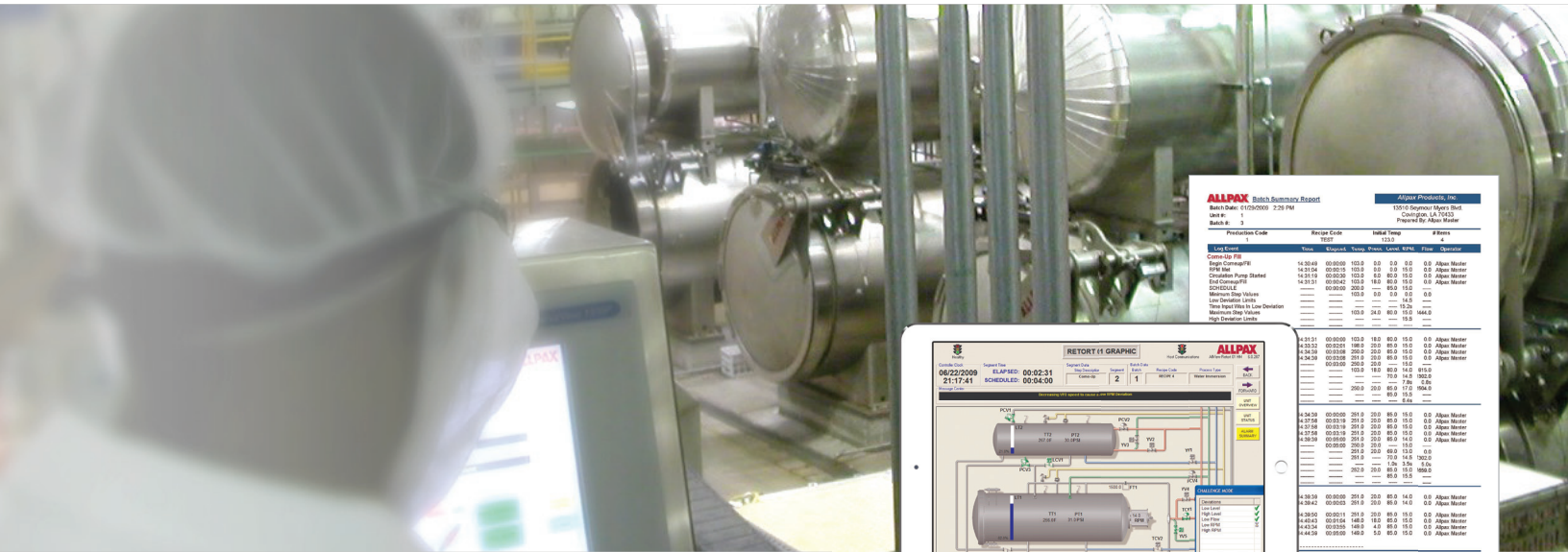




CHALLENGER AUTOMATED SYSTEM VALIDATION



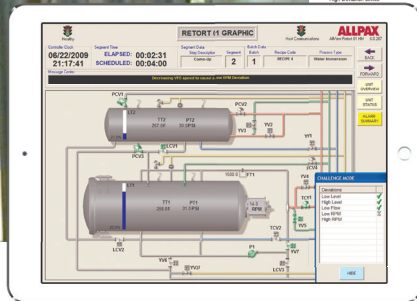
ALLPAX Batch Summary Report

Batch Name: 01020009 220 PM
Unit #: 1
Batch #: 2

13110 Process System, Inc.
Covington, LA 70433
Printed By: Admin Member

Production Code	Recipe Code	Initial Temp	#Items
1007		131.0	

Log Event	Time	Signal	Temp	Press	Level	KPa	Flow	Operator
Control Stop	14:30:49	00:0000	103.0	0.0	0.0	0.0	0.0	Admin Member
Edge Control/FI	14:30:54	00:0010	103.0	0.0	0.0	0.0	0.0	Admin Member
Shutdown Pump Started	14:31:19	00:0030	103.0	6.0	80.0	15.0	0.0	Admin Member
Start Control/FI	14:31:31	00:0042	103.0	18.0	80.0	15.0	0.0	Admin Member
STOP	00:0000	00:0000	80.0	15.0	---	---	---	---
SCHEDULE	00:0000	00:0000	80.0	15.0	---	---	---	---
Minimum Stop Values	---	---	103.0	0.0	0.0	0.0	0.0	---
Low Deviation Limits	---	---	---	---	---	14.0	---	---
Time Input Value In Low Deviation	---	---	103.0	24.0	80.0	0.0	144.0	---
Maximum Stop Values	---	---	---	---	---	---	---	---
High Deviation Limits	---	---	---	---	---	15.0	---	---



An Automated System for Process Quality Assurance

Challenger has been designed by the Allpax software engineering department to perform an automated check of all critical factors, all relevant instrumentation, and critical deviation logic while processing a ballast load. The Challenge Mode software code runs “behind the scenes”, simulating critical factor deviations in each phase of the process. When a deviation occurs, the operator interface screen will display the measured deviation value along side a list of achieved deviations.

At the end of the Challenge Mode process test, a batch log will print the results of the simulated tests. This provides documentation that can be filed with a validation or simply as part of an ongoing system maintenance file. Detailed reports provide additional information on deviations for comprehensive record-keeping. Pair Challenger with AllCheck for complete system validation.

SECTION	ALLPAX VALIDATION SERVICES
Installation Qualification	AllCheck—during initial installation (Customer is responsible after installation)
Operational Qualification	AllCheck—before installation Challenger—following installation
Performance Qualification	AllCheck—following installation Challenger—following installation

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