

Stonemont Solutions is pleased to announce the release of aggQC Version 5. We are also announcing the release of asphaltQC Version 1 and two add-on modules for aggQC; Plant Flow Modeling Version 1 and Crusher Sampling Version 1. We are committed to maintaining our software to be the premier software for the construction materials industry as well as providing our customers superior service and technical support. We greatly appreciate your support and we look forward to hearing your suggestions and comments for future releases of our software. Please let us know your thoughts by joining our Forum at www.stonemont.com/forum.

asphaltQC

Stonemont Solutions is pleased to announce the release of asphaltQC. asphaltQC is tightly integrated with aggQC providing a similar user-friendly experience and powerful analysis and reporting capabilities.

Integration with aggQC

- ✓ Provides ability to manage and test aggregate products and mix designs in one familiar interface
- ✓ Provides similar data entry, analysis, and reporting tools as aggQC.

Mix Testing

- ✓ Extraction, Ignition, Cold Feed, Cold Bin, Hot Bin testing
- ✓ Supports many asphalt related worksheets and test results for supported mix design methods.
- ✓ Automatic email alerts for failures

Mix Design

- ✓ Superpave, Marshall, Hveem
- ✓ Trial and Final Blends
- ✓ Batching Worksheets
- ✓ Calculate by total mass of aggregate or by total mass of mix
- ✓ Bailey Blending Method
- ✓ Volumetric Charts
- ✓ Submittal Reports

aggQC Add-Ons

aggQC Plant Flow is a tool for mathematically modeling the flow of aggregate through a plant. Crusher sampling enables you to monitor crusher performance. Tight integration between these add-on modules and aggQC enables the use of measured data to provide real answers.

Plant Flow Modeling

- ✓ User-Friendly Graphic Interface
- ✓ Integration with aggQC

What's New!

- ✓ Easily query the aggQC database for sampling results
- ✓ Calibrate the plant by rapid evaluation of model-predicted versus plant-observed results
- ✓ Supports multiple screen sizes on screen decks
- ✓ Automatically estimate screen deck efficiency
- ✓ Optimize plant feed rate while not exceeding equipment capacities
- ✓ Optimize equipment feed rates to meet production quotas
- ✓ Export to pdf, jpg, gif, tiff, others
- ✓ Manufacturer data

Crusher Sampling

- ✓ Integration with aggQC and Plant Flow Modeling
- ✓ Manages crushers, motors, and wear parts
- ✓ Data entry for feed and discharge gradations and other variables
- ✓ Analyze and report feed and discharge results to monitor crusher performance

aggQC Updates

Interface

The aggQC interface has been updated to accommodate new features and to improve the user experience.

- ✓ A new Export Group provides the ability to export all sample related information along with results to Excel for additional analysis, such as in mapping applications.

Database

The aggQC desktop version 5 now uses the Microsoft MSDE database or Microsoft SQL Express. Microsoft SQL Express is required on Microsoft Windows Vista.

Options

- ✓ Sieve Display (English/Metric, English Only, Metric Only)
- ✓ Added ability to use random colors, symbols, and line types for Multi-Run Chart and Multi-Time Series Chart, which use the same options.
- ✓ Added Statistical Analysis option to print grid rather than report. Preview always previews the report.
- ✓ Added the ability to view auto-reports generated by the aggQC Enterprise Edition inside of aggQC or in an external browser launched by aggQC.

Data Entry

- ✓ Added an expand button to quality test worksheets that have a large grid. Clicking the button expands the grid to the bottom of the form so that more rows may be viewed without scrolling.
- ✓ Added Elevation (Z) to Location Tab on quality test entry form.
- ✓ Added Procedure to Quality Test Entry form for gradations.
- ✓ Changed Other field on Quality Test Form to a drop-down that accepts user entries or a list of recent entries.
- ✓ Changed Lab and Procedure on Worksheets to a drop-down that accepts user entries or a list of recent entries.

What's New!

- ✓ Added "Pin Tool" to Quality Test Entry Form to remember most previous sample entries when a new sample is created without closing the form.

Data Analysis

- ✓ Added Cusum charting to detect changes in the mean.
- ✓ Data analysis now includes the ability to evaluate fractions, ratios, and yields that have been created for plant products. To evaluate yields requires that a PLC Variable representing tonnage (flow rate) be created, mapped to Flow Rate in PLC Mapping, and data entered for this PLC variable. Note that support for fractions, ratios, and yields were developed primarily to support aggQC Crusher Sampling.
- ✓ Added Multi-Time Series Analysis Tool. This tool is similar to the Multi-Run Chart Analysis Tool except that it uses a real-time X-Axis and supports multiple queries.
- ✓ Added ability to blend using target values and the ability to hold percentages of specified products constant.
- ✓ Added Targets to Sieve Charts
- ✓ Added Critical Sieves Only option to Analysis Query

Data Reporting

- ✓ Added Worksheet Report for display of individual or multiple worksheets performed on samples.
- ✓ Added Product Comparison Report for viewing gradation and other test results side-by-side for up to 5 products at the same or different plants
- ✓ Added Product Capability Report that displays the mean, standard deviation, specification, PWS, and Cpk.

aggQC Setup

All of the new features within aggQC will require that appropriate permissions be set for each user. In aggQC, go to aggQC Setup, User Setup, Permissions (or Roles Setup) and place a check mark next to each new feature that is appropriate for that user or click on the Grant All Permissions button. You will have to logout and logon again for the change in permissions to occur. For more information please refer to our help file

New Setup Features include:

Company Setup

- ✓ Added Material Tab and License Tab to the Plant Form.

Plant Setup

- ✓ Added Units to PLC Variables
- ✓ Added PLC Mapping to support the crusher sampling module and the calculation of yields.
- ✓ Added the ability to enter default Lab, Procedure, and Units for Quality Test Results
- ✓ Added the ability to enter default Lab and Procedure for Worksheets

Plant Product Setup

- ✓ Added ability to create fractions and ratios for plant products.
- ✓ Added ability to specify automatic email alerts for tests out-of-specification, out-of-target, or both.
- ✓ Added additional information to automatic email alerts such as sample method, sample location, ledge, etc.

What's New!

- ✓ Added default gradation procedure field to plant products setup form.

Agency Reports

- ✓ aggQC Version 5 includes support for the Florida DOT LIMS electronic submittal. The toolbar includes options to "Export To LIMS" for posting the export file to the required FTP site or "Export To DOT" for saving an Excel file to be emailed to the Florida DOT. In Version 5 "Export To LIMS" posts the file to the Florida DOT production FTP site rather than the test FTP site.