

NuclearIQ Version 1.0.2.3 Release Notes

1. Data Evaluation
 - a. Corrected the CRITICAL data evaluation error that resulted from a sample plant condition being set to ModelIndep (Mode Independent) when requirement had that as a plant condition and data was entered from the Schedule Review form. This condition has the possibility to affect the limits used to evaluate a data point entered due to the condition not being populated for that analysis versus the actual limits that should have been used for the actual plant operating condition.
2. Chemistry Test Input
 - a. Corrected the behavior where the special character denoting a value above the upper detection limit or below the lower detection limit was not assigned to items retrieved using the GetPI function.
 - b. Handled the issue of “Bad Years”. At the time of save event all years must be between 1980 and 2060 before any other evaluation is performed. Users entering the date 02/05/02013 were seeing this truncated to 02/05/0201 which was being saved. This will no longer occur.
 - c. Modified the Validation routine on the Chemistry Test Input form to properly display the menu and perform all available validations when using the System Type list box and Unvalidated Only checkbox.
 - d. Also handled the timeout issue when using the System Type list box and Unvalidated Only checkboxes and no Unit Number selected.
 - e. Handled the error generated when loading the Chemistry Test Input form and double clicking on the Sample ID, Sample Date Time or Plant Condition cells.
 - f. Returned a functionality previously in WinCDMS that allows the user to double-click on any empty cell in the data grid to launch the Input Test Information form.
3. Calculation Routine
 - a. Reworked the calculation routine to improve the overall efficiency of the routine. Key component was to correct the behavior of reloading the data into the Excel spreadsheet for each defined Target resulting in an excessive time to complete when the user selected the “Calculate All Targets” menu option. Routine now loads the data only once.
 - b. Corrected the issue of not being able to load non-numeric data into the spreadsheet. This limitation affected sending dates, times and text to the spreadsheet to defined the conditions necessary for performing the calculation. The user of the Text checkbox on the Define Calculations form will now permit this data to be sent to the spreadsheet for use.
 - c. Handled an issue with loading data into the spreadsheet. Previous version would limit a user’s available columns to AZ. Expanded that to go from column A to CA.
 - d. Included the Start Date and End Date in the Save function for the Define Calculations Source grid. Also included a time component to prevent users from getting an error when the start and end dates are the same.

4. Trend Plots
 - a. Corrected the behavior of deleting a plot and needing to close and reopen the form for the name to be removed from the Plot Name list box.
 - b. Corrected a typographical error on the Validation form when selecting to validate the graph.
5. Scheduling
 - a. Corrected the behavior where the special character denoting a value above the upper detection limit or below the lower detection limit was not assigned to items retrieved using the GetPI function.
 - b. Changed the default button on the Close Schedule message form to no continue with closing the schedule as this is the conservative selection and will prevent inadvertently closing a schedule and populating the Missed Items and Carry Over items unintentionally.
 - c. Added a new checkbox to the Review Schedule form that will allow users to Hide the Carry Over Items on the displayed schedule. This is a temporary setting the returns to the off condition each time the form is opened.
 - d. Modified the cell movement when entering data to move ensure movement from the date and time cell to the value cell to make the process more intuitive to the end user.
 - e. Adjusted the behavior of the date time cell to make it easier for the data entry user to modify a date and time before entering the value and storing the data within NuclearIQ.
 - f. Handled a case where the Review Schedule form was placed in a loop condition due to having the Show Incomplete Items Only, and one or more filters in place.
 - g. Improved the performance of the Test Input List field on the Review Schedule form to no longer require a schedule refresh for users assigned to the Technician Security group.
 - h. Restored the print capability from the print button on the Schedule Manager and Print Schedules preview form.
6. Gamma Spectrum Transfer
 - a. Modified the Transfer Gamma Spectrum interface to format the values in accordance with the formats set in the Analysis Definitions for the parameters displayed.
7. Reporting
 - a. Corrected the issue with the use of IS NULL and IS NOT NULL in the report criteria grid. Grid parameter will now save and Show SQL button displays that the selection is, in fact, being included in the report query.
8. Main Form
 - a. Adjusted the size of the Plant Condition list box on the Main Toolbar to display the entire Plant Condition text.
9. Analysis Definition
 - a. Corrected an error that prevented users from saving or modifying limit definitions for QA/QC analyses.