

42007-2631 QESTMIX - DPR USER INTERFACE ENHANCEMENTS

Specification for functionality in QESTLab to restrict the Sampled From list on the Aggregate/Soil sample screen by the Source

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System:	QESTMix
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DOCUMENT CONTROL

Date	Author	Revision	Change Reference
13 April 2006	Marat Bakhtiyarov	1.0	Original Document
21 April 2006	Marat Bakhtiyarov	1.1	Changes to how cells with multiple products are handled.

RELATED DOCUMENTATION

Name	Location	Details
Work Estimates: March 2006	\\Adls0003\documents\Spectra QEST\Customer\Active\AUBOR - Boral ACM\42007 National\Specifications	A summary of change requests for March 2006

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1. Business Requirements

1.1 Overview

The non-detail views may hide some products (e.g. alternatives, products in groups that have more than one product of a certain grade). When the "Change Cement Level" button is used to

update the Cement level, only those products that are displayed get updated. The hidden ones are not affected. The user should be notified of the fact that there are hidden products in the grid and there should be a button to select/deselect all products in the grid.

1.2 Detailed Requirements

1. The design-product relation screen should have "select all" and "deselect all" buttons to select/deselect all products currently displayed.
2. "Mark as primary" button should apply to all selected products (currently only applies to a single product).
3. The non-detail views may hide some products (e.g. alternatives, products in groups that have more than one product of a certain grade). When the "Change Cement Level" button is used to update the Cement level, only those products that are displayed get updated. The hidden ones are not affected. In order to fix this, the "Change Cement Level" button will be disabled on the non-detail views. The cells that relate to more than one product will have bold text. These cells will also be locked out for editing. The "Details" view will be used to update the cement contents of all products displayed in the grid or individually selected product.

2. Functional Requirements

2.1 Overview

2.2 Details: Select/Deselect button

A new button labeled "Select All" will be added to the top of the Design To Product Relations screen. Clicking on the button will highlight all the product relations selected by the current filter. The caption will change to "Deselect All". Clicking on the button in this state will deselect all product relations selected by the current filter.



2.3 Details: Make Primary Button

The Make Primary button will affect all the selected products.

A check to see if more than one alternative of a product is selected will be performed when the button is clicked. If there is then the user will be warned and the process will be aborted.

2.4 Details: Non – Detail views

The non-detail views may hide some products (e.g. alternatives, products in groups that have more than one product of a certain grade). When the view is refreshed, a check will be performed to see whether there are any cells that relate to more than one product. If this is the case then the text in the cell will be bold.

These cells will be locked out for editing in the non-detail views of the DPR.

3. Assumptions and Additional Constraints

N/A

5. Design Consequences

5.1 Limitations

As a result, the design to product relations can only be edited in the "Detail" view. All other views will be read-only.

5.2 Recommendations

N/A

5.3 Side effects

Due to the added checks the performance of the "Make primary button" will be slower (about 50%).

The speed of refreshing will also be slightly affected by the checks added.

None

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