**Meter Configuration Changes for TopTech MultiLoad 1 and 2**

Note: These instructions apply to GuardianControl ONLY! No changes have been made to Control or G3Control

1. A new field “Device Address” has been added to the meter configuration table. This new field will be used as the communication address for all meter types that DO NOT utilize “pulse board number” field. Example meter types that use device address are TopTech MultiLoad 1 and 2 presets, all AccuLoad 2 and 3 presets, Titan injectors, and BlendPak injectors. Eventually, DanLoad 6000, any supported Brooks presets, and any supported Waugh presets will use the new device address as the communication address as well. Meter Types that do not use the device address include OPTO, CCM, Allen Bradley, MODBUS because these meters use the pulse board number for communication addressing. Currently, all PLC devices use a hard coded PLC device address of 1. The device address configuration option may be extended to be used as the PLC device address also.
   a. This means that the meter number and final meter number will no longer be the address we use to talk to a device. Eg. Prior to R11.06, an AccuLoad 3 with communication address 11 had to be meter 11. Now, the meter number can be any number less between 1 and 99,999, but the device address will be 11. This will allow multiple presets to have the same address within a G3 system so long as the presets are on different communication ports. Thus, two presets cannot have the same device address on the same port.
   b. R11.06.sql includes sql that will update the device address to the final meter number which previously was the communication address.

2. New meter types have been added for TopTech MultiLoad 1, TopTech MultiLoad 1 Additive, TopTech MultiLoad 2, and TopTech MultiLoad 2 Additive.

3. As per change #1 above, the meter number can be configured as any number between 1 and 99,999.

4. The device address will be the RCU address of the MultiLoad device.

5. The index number will vary by the meter type configured in the G3.
   a. Final Meter – index number will be the address of the preset or arm within the MultiLoad device, called the “preset or load arm number” in the TopTech documentation. This number can be addressed 0-11 in the TopTech device.
   b. Component Meter – index number will be the number of the product stream within the TopTech device similar to the product stream number within an AccuLoad.
   c. Additive Meter – index number will be the number of the additive injector as assigned to the Arm/Final Meter in the TopTech Device. This will differ from the AccuLoad configuration in that each arm will start again at additive injector 1.

6. All other meter configuration parameters for the final, component, and additive meters will be configured the same as any other meter in the G3.

7. Just as with other preset types, access points must be created for each (final, component, and additive meter) / product combination. The recipe number must be configured on the access
point for the final meter / final product. Within the TopTech device, up to 99 product recipe definitions can be configured for each preset or arm. In the TopTech communications manual example, additives and components are stored in the preset registers starting at address 20-99. Recipes are stored in 0-19. This is NOT required for the G3. The recipes can be any number between 0 and 99 within the TopTech device, BUT, the G3 recipe number has to be the index of the recipes within the list of authorized products for an Preset(arm). So, if the TopTech device has recipes configured at 3, 6, 12, and 31. The recipe numbers within the G3 would be 1, 2, 3, and 4 respectively. GC then interrogates the TopTech device for recipe 1 and finds the TopTech recipe 3 or for recipe 4 and finds TopTech recipe 31. Generally, only 1 Blend Product Recipe needs to be configured on each Preset(Arm) in the Authorized Product list. If configured this way, the recipe number in the G3 will always for 1 for all products on all arms.

8. Both MultiLoad 1 and MultiLoad 2 require a Preset Volume Prompt on the card reader even in Classic Mode. This prompt will come up automatically if an arm in the G3 is configured as a MultiLoad 1 or 2, no other configuration is needed. This is not the same as Remote Preset. Remote Preset is required to allow Starting and Stopping an arm in the MultiLoad 1 or 2 from the card reader.

TopTech Multimate Screenshots for Product configuration:
Screenshots for Preset – Authorized Products List: