Bulk Plant Calculator Requirements

Use Case

1. Coordinator schedule a product haul for a job

Pre-condition: Call Sheet has been created, production section has been fill out.

1. Coordinator select a call sheet from eService
   1. Coordinator select a blend from “Acids/Blends/Fluids” list in Products Section
   2. Blend filter criteria: Lead1, Lead2, Lead3, Lead4, Tail, Plug
   3. Product Haul data entry form display “Base Blend” and “Additives Per Base” list and corresponding Amount.
   4. Coordinator select a Unit, enter Load Amount.
   5. Coordinator click “Save” button.
   6. If Load Amount is greater than selected Blend Amount, a warning will pop up for Coordinator to confirm. If Coordinator confirm “Yes”, go next step. If “No”, cancel save action to allow Coordinator to modify the entered information.
   7. Product Haul information is saved in database. Product List is updated with remains amount.
   8. Load Sheet is generated from Bulk Plant Calculator Service and saved in database.
   9. Coordinator select a Load Sheet and click “Print” button, Load Sheet will be printed in PDF format. Once the Load Sheet is printed, it will turn to “Locked” status, modification is not allowed any more.
   10. Coordinator received notification for Bulk Plant Operator, Load sheet is loaded.
   11. Coordinator assign a driver to the Unit to haul the blend to a job.

2. Coordinator schedule a product haul to remote Bulk Plant

3. Coordinator schedule a product haul from remote Bulk Plant to a Job location

4. Bulk Plant Operator load blend

* 1. Bulk Plant Operator print load sheet.
  2. Bulk Plant Operator load up blend.
  3. Bulk Plant Operator sends notification to Coordinator, the Load sheets status is “Loaded”.